

## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
111011	Chief Sustainability Officers	Green Economy Sectors	Career Cluster
111021	General and Operations Managers	Green Economy Sectors	State Wide
112011	Green Marketers	Green Economy Sectors	Career Cluster
112021	Marketing Managers	Green Economy Sectors	Career Cluster
113021	Computer and Information Systems Managers	Information Technology	Career Cluster
113031	Financial Managers, Branch or Department	Agriculture, Food and Natural Resources	Career Cluster
113051	Industrial Production Managers	Green Economy Sectors; Manufacturing	Career Cluster
113071	Transportation Managers	Green Economy Sectors; Transportation, Distribution and Logistics	State Wide
119011	Farm, Ranch, and Other Agricultural Managers	Agriculture, Food and Natural Resources	Career Cluster
119012	Farmers and Ranchers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
119021	Construction Managers	Green Economy Sectors	Career Cluster
119032	Education Administrators, Elementary and Secondary School	Other	State Wide
119041	Engineering Managers	Green Economy Sectors	Career Cluster
119111	Clinical Nurse Specialists	Health Science	Career Cluster
119121	Clinical Research Coordinators	Agriculture, Food and Natural Resources; Green Economy Sectors; Health Science	Career Cluster
119199	Supply Chain Managers	Green Economy Sectors; Transportation, Distribution and Logistics	Regional Demand
131021	Purchasing Agents and Buyers, Farm Products	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
131022	Wholesale and Retail Buyers, Except Farm Products	Green Economy Sectors	Career Cluster
131023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	Manufacturing	Career Cluster
131031	Claims Adjusters, Examiners, and Investigators	Other	State Wide
131041	Regulatory Affairs Specialists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
131073	Training and Development Specialists	Green Economy Sectors	Career Cluster
131081	Logisticians	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
131111	Management Analysts	Other	State Wide
131199	Customs Brokers	Green Economy Sectors; Transportation, Distribution and Logistics	State Wide
132011	Accountants and Auditors	Other	State Wide
132051	Financial Analysts	Green Economy Sectors	Career Cluster
132052	Personal Financial Advisors	Green Economy Sectors	Career Cluster
132099	Financial Quantitative Analysts	Green Economy Sectors	Career Cluster
151021	Computer Programmers	Information Technology	Career Cluster
151031	Computer Software Engineers, Applications	Information Technology	State Wide
151032	Computer Software Engineers, Systems Software	Green Economy Sectors; Information Technology	Career Cluster

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151041	Computer Support Specialists	Information Technology	State Wide
151051	Computer Systems Analysts	Health Science; Information Technology	State Wide
151061	Database Administrators	Information Technology	Career Cluster
151071	Network and Computer Systems Administrators	Information Technology	State Wide
151081	Network Systems and Data Communications Analysts	Information Technology	State Wide
151099	Computer Specialists, All Other	Green Economy Sectors; Information Technology	State Wide
152021	Mathematicians	Other	Regional Demand
152041	Clinical Data Managers	Health Science	Career Cluster
152091	Mathematical Technicians	Health Science	Career Cluster
171011	Architects, Except Landscape and Naval	Green Economy Sectors	Career Cluster
171012	Landscape Architects	Green Economy Sectors	Career Cluster
171021	Cartographers and Photogrammetrists	Agriculture, Food and Natural Resources	Career Cluster
172011	Aerospace Engineers	Green Economy Sectors	State Wide
172031	Biomedical Engineers	Health Science	Career Cluster
172041	Chemical Engineers	Green Economy Sectors	Career Cluster
172051	Civil Engineers	Green Economy Sectors	State Wide
172071	Electrical Engineers	Green Economy Sectors	Career Cluster
172072	Electronics Engineers, Except Computer	Green Economy Sectors	State Wide
172081	Environmental Engineers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
172111	Industrial Safety and Health Engineers	Green Economy Sectors	Career Cluster
172112	Industrial Engineers	Green Economy Sectors	Career Cluster
172141	Mechanical Engineers	Green Economy Sectors	State Wide
172161	Nuclear Engineers	Green Economy Sectors	Career Cluster
172199	Biochemical Engineers	Green Economy Sectors	Career Cluster
173011	Architectural Drafters	Green Economy Sectors	Career Cluster
173021	Aerospace Engineering and Operations Technicians	Transportation, Distribution and Logistics	Career Cluster
173023	Electronics Engineering Technicians	Green Economy Sectors	Career Cluster
173024	Robotics Technicians	Green Economy Sectors; Manufacturing	Career Cluster
173025	Environmental Engineering Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
173026	Industrial Engineering Technicians	Green Economy Sectors; Manufacturing	Career Cluster
173027	Mechanical Engineering Technicians	Green Economy Sectors; Manufacturing	Career Cluster
173029	Photonics Technicians	Green Economy Sectors	Career Cluster
191011	Animal Scientists	Agriculture, Food and Natural Resources	Career Cluster
191012	Food Scientists and Technologists	Agriculture, Food and Natural Resources	Career Cluster
191013	Soil and Plant Scientists	Agriculture, Food and Natural Resources	Career Cluster
191020	Biologists	Health Science	Career Cluster
191023	Zoologists and Wildlife Biologists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster

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191031	Soil and Water Conservationists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
191032	Foresters	Agriculture, Food and Natural Resources	Regional Demand
191041	Epidemiologists	Health Science	Regional Demand
191042	Medical Scientists, Except Epidemiologists	Health Science	Career Cluster
192021	Atmospheric and Space Scientists	Green Economy Sectors	Career Cluster
192031	Chemists	Green Economy Sectors	State Wide
192032	Materials Scientists	Green Economy Sectors	Regional Demand
192041	Environmental Scientists and Specialists, Including Health	Green Economy Sectors	Career Cluster
192042	Geoscientists, Except Hydrologists and Geographers	Green Economy Sectors	Career Cluster
192043	Hydrologists	Green Economy Sectors	Regional Demand
192099	Remote Sensing Scientists and Technologists	Green Economy Sectors	Career Cluster
193011	Environmental Economists	Green Economy Sectors	Career Cluster
193031	Clinical Psychologists	Health Science	Career Cluster
193039	Neuropsychologists and Clinical Neuropsychologists	Health Science	Career Cluster
193051	Urban and Regional Planners	Green Economy Sectors	Career Cluster
193091	Anthropologists and Archeologists	Other	Regional Demand
193099	Transportation Planners	Green Economy Sectors	Career Cluster
194011	Agricultural Technicians	Green Economy Sectors	Career Cluster
194031	Chemical Technicians	Green Economy Sectors	Career Cluster
194041	Geophysical Data Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
194051	Nuclear Equipment Operation Technicians	Green Economy Sectors	Career Cluster
194091	Environmental Science and Protection Technicians, Including Health	Agriculture, Food and Natural Resources	Career Cluster
194093	Forest and Conservation Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
194099	Precision Agriculture Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
211023	Mental Health and Substance Abuse Social Workers	Health Science	Career Cluster
211091	Health Educators	Health Science	Career Cluster
231011	Lawyers	Other	Regional Demand
231022	Arbitrators, Mediators, and Conciliators	Green Economy Sectors	Career Cluster
251041	Agricultural Sciences Teachers, Postsecondary	Agriculture, Food and Natural Resources	Career Cluster
252021	Elementary School Teachers, Except Special Education	Other	State Wide
252022	Middle School Teachers, Except Special and Vocational Education	Other	State Wide
252031	Secondary School Teachers, Except Special and Vocational Education	Other	State Wide
254012	Curators	Other	Regional Demand
254013	Museum Technicians and Conservators	Other	Regional Demand
259021	Farm and Home Management Advisors	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
271021	Commercial and Industrial Designers	Green Economy Sectors	Career Cluster

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273022	Reporters and Correspondents	Green Economy Sectors	Career Cluster
273031	Public Relations Specialists	Green Economy Sectors	Career Cluster
274013	Radio Operators	Other	Regional Demand
291011	Chiropractors	Health Science	Career Cluster
291021	Dentists, General	Health Science	Career Cluster
291022	Oral and Maxillofacial Surgeons	Health Science	Career Cluster
291023	Orthodontists	Health Science	Career Cluster
291024	Prosthodontists	Health Science	Career Cluster
291031	Dietitians and Nutritionists	Health Science	Career Cluster
291041	Optometrists	Health Science	Career Cluster
291051	Pharmacists	Health Science	Career Cluster
291061	Anesthesiologists	Health Science	Career Cluster
291062	Family and General Practitioners	Health Science	Career Cluster
291063	Internists, General	Health Science	Career Cluster
291064	Obstetricians and Gynecologists	Health Science	Career Cluster
291065	Pediatricians, General	Health Science	Career Cluster
291066	Psychiatrists	Health Science	Career Cluster
291067	Surgeons	Health Science	Career Cluster
291069	Physicians and Surgeons, All Other	Health Science	Career Cluster
291071	Physician Assistants	Health Science	Career Cluster
291081	Podiatrists	Health Science	Career Cluster
291111	Registered Nurses	Health Science	Regional Demand
291121	Audiologists	Health Science	Career Cluster
291122	Occupational Therapists	Health Science	Career Cluster
291123	Physical Therapists	Health Science	Career Cluster
291124	Radiation Therapists	Health Science	Career Cluster
291125	Recreational Therapists	Health Science	Career Cluster
291126	Respiratory Therapists	Health Science	State Wide
291127	Speech-Language Pathologists	Health Science	Career Cluster
291131	Veterinarians	Agriculture, Food and Natural Resources	Career Cluster
291199	Health Diagnosing and Treating Practitioners, All Other	Health Science	Career Cluster
292011	Medical and Clinical Laboratory Technologists	Health Science	State Wide
292012	Medical and Clinical Laboratory Technicians	Health Science	Career Cluster
292021	Dental Hygienists	Health Science	State Wide
292031	Cardiovascular Technologists and Technicians	Health Science	Career Cluster
292032	Diagnostic Medical Sonographers	Health Science	Career Cluster
292033	Nuclear Medicine Technologists	Health Science	Career Cluster
292034	Radiologic Technologists and Technicians	Health Science	State Wide
292041	Emergency Medical Technicians and Paramedics	Law, Public Safety, Corrections and Security	State Wide
292051	Dietetic Technicians	Health Science	Career Cluster
292052	Pharmacy Technicians	Health Science	Career Cluster

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292053	Psychiatric Technicians	Health Science	Career Cluster
292054	Respiratory Therapy Technicians	Health Science	Career Cluster
292055	Surgical Technologists	Health Science	State Wide
292056	Veterinary Technologists and Technicians	Agriculture, Food and Natural Resources	Career Cluster
292061	Licensed Practical and Licensed Vocational Nurses	Health Science	Regional Demand
292071	Medical Records and Health Information Technicians	Health Science	Career Cluster
292081	Opticians, Dispensing	Health Science	Career Cluster
292091	Orthotists and Prosthetists	Health Science	Career Cluster
292099	Health Technologists and Technicians, All Other	Health Science	Career Cluster
299011	Occupational Health and Safety Specialists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
299012	Occupational Health and Safety Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
299091	Athletic Trainers	Health Science	Career Cluster
299099	Midwives	Health Science	Career Cluster
311011	Home Health Aides	Health Science	Career Cluster
311012	Nursing Aides, Orderlies, and Attendants	Health Science	Career Cluster
311013	Psychiatric Aides	Health Science	Career Cluster
312011	Occupational Therapist Assistants	Health Science	Career Cluster
312012	Occupational Therapist Aides	Health Science	Career Cluster
312021	Physical Therapist Assistants	Health Science	State Wide
312022	Physical Therapist Aides	Health Science	Career Cluster
319091	Dental Assistants	Health Science	Career Cluster
319092	Medical Assistants	Health Science	Career Cluster
319093	Medical Equipment Preparers	Health Science	Career Cluster
319094	Medical Transcriptionists	Health Science	Career Cluster
319095	Pharmacy Aides	Health Science	Career Cluster
319096	Veterinary Assistants and Laboratory Animal Caretakers	Agriculture, Food and Natural Resources	Career Cluster
319099	Healthcare Support Workers, All Other	Health Science	Career Cluster
333012	Correctional Officers and Jailers	Other	State Wide
333031	Fish and Game Wardens	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
333051	Police and Sheriff's Patrol Officers	Other	State Wide
371012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	Agriculture, Food and Natural Resources	Career Cluster
372021	Pest Control Workers	Agriculture, Food and Natural Resources	Career Cluster
373012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	Agriculture, Food and Natural Resources	Career Cluster
373013	Tree Trimmers and Pruners	Agriculture, Food and Natural Resources	Career Cluster
392021	Nonfarm Animal Caretakers	Agriculture, Food and Natural Resources	Career Cluster
396031	Flight Attendants	Transportation, Distribution and Logistics	Career Cluster
411011	First-Line Supervisors/Managers of Retail Sales Workers	Agriculture, Food and Natural Resources	Regional Demand

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412022	Parts Salespersons	Agriculture, Food and Natural Resources	Career Cluster
413021	Insurance Sales Agents	Other	Regional Demand
413031	Securities and Commodities Traders	Green Economy Sectors	Career Cluster
413099	Energy Brokers	Green Economy Sectors	Career Cluster
414011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	Green Economy Sectors	State Wide
414012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	Other	State Wide
431011	First-Line Supervisors/Managers of Office and Administrative Support Workers	Other	State Wide
433021	Billing and Posting Clerks and Machine Operators	Health Science	Career Cluster
434051	Patient Representatives	Green Economy Sectors	Career Cluster
435011	Cargo and Freight Agents	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
435032	Dispatchers, Except Police, Fire, and Ambulance	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
435061	Production, Planning, and Expediting Clerks	Green Economy Sectors; Manufacturing	Career Cluster
435071	Shipping, Receiving, and Traffic Clerks	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
435111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	Manufacturing	Career Cluster
436011	Executive Secretaries and Administrative Assistants	Other	State Wide
451011	First-Line Supervisors/Managers of Logging Workers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
451012	Farm Labor Contractors	Agriculture, Food and Natural Resources	Career Cluster
452011	Agricultural Inspectors	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
452021	Animal Breeders	Agriculture, Food and Natural Resources	Career Cluster
452041	Graders and Sorters, Agricultural Products	Agriculture, Food and Natural Resources	Career Cluster
452091	Agricultural Equipment Operators	Agriculture, Food and Natural Resources	Career Cluster
452092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	Agriculture, Food and Natural Resources	Career Cluster
452093	Farmworkers, Farm and Ranch Animals	Agriculture, Food and Natural Resources	Career Cluster
453011	Fishers and Related Fishing Workers	Agriculture, Food and Natural Resources	Career Cluster
453021	Hunters and Trappers	Agriculture, Food and Natural Resources	Career Cluster
454011	Forest and Conservation Workers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
454021	Fallers	Agriculture, Food and Natural Resources	Career Cluster
454022	Logging Equipment Operators	Agriculture, Food and Natural Resources	Career Cluster
454023	Log Graders and Scalers	Agriculture, Food and Natural Resources	Career Cluster
471011	Solar Energy Installation Managers	Green Economy Sectors; Manufacturing	Career Cluster
472011	Boilermakers	Other	Career Cluster
472031	Construction Carpenters	Green Economy Sectors	Regional Demand

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472051	Cement Masons and Concrete Finishers	Green Economy Sectors	Career Cluster
472061	Construction Laborers	Green Economy Sectors	Regional Demand
472073	Operating Engineers and Other Construction Equipment Operators	Green Economy Sectors	Career Cluster
472111	Electricians	Green Economy Sectors	State Wide
472131	Insulation Workers, Floor, Ceiling, and Wall	Green Economy Sectors	Career Cluster
472152	Pipe Fitters and Steamfitters	Green Economy Sectors	State Wide
472181	Roofers	Green Economy Sectors	Career Cluster
472211	Sheet Metal Workers	Green Economy Sectors	Career Cluster
472221	Structural Iron and Steel Workers	Green Economy Sectors	Career Cluster
473012	Helpers--Carpenters	Green Economy Sectors	Career Cluster
474011	Construction and Building Inspectors	Green Economy Sectors	Career Cluster
474041	Hazardous Materials Removal Workers	Green Economy Sectors	Career Cluster
474061	Rail-Track Laying and Maintenance Equipment Operators	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
474099	Solar Photovoltaic Installers	Green Economy Sectors	Career Cluster
475011	Derrick Operators, Oil and Gas	Agriculture, Food and Natural Resources	Career Cluster
475012	Rotary Drill Operators, Oil and Gas	Agriculture, Food and Natural Resources	Career Cluster
475013	Service Unit Operators, Oil, Gas, and Mining	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
475031	Explosives Workers, Ordnance Handling Experts, and Blasters	Agriculture, Food and Natural Resources	Career Cluster
475041	Continuous Mining Machine Operators	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
475042	Mine Cutting and Channeling Machine Operators	Agriculture, Food and Natural Resources	Career Cluster
475051	Rock Splitters, Quarry	Agriculture, Food and Natural Resources	Career Cluster
475061	Roof Bolters, Mining	Agriculture, Food and Natural Resources	Career Cluster
475071	Roustabouts, Oil and Gas	Agriculture, Food and Natural Resources	Career Cluster
475081	Helpers--Extraction Workers	Agriculture, Food and Natural Resources	Career Cluster
491011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	Green Economy Sectors; Manufacturing	State Wide
492011	Computer, Automated Teller, and Office Machine Repairers	Manufacturing	Career Cluster
492021	Radio Mechanics	Manufacturing	Career Cluster
492022	Telecommunications Equipment Installers and Repairers, Except Line Installers	Manufacturing	Career Cluster
492091	Avionics Technicians	Transportation, Distribution and Logistics	Career Cluster
492092	Electric Motor, Power Tool, and Related Repairers	Manufacturing	Career Cluster
492093	Electrical and Electronics Installers and Repairers, Transportation Equipment	Transportation, Distribution and Logistics	Career Cluster
492094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	Green Economy Sectors; Manufacturing	State Wide
492096	Electronic Equipment Installers and Repairers, Motor Vehicles	Transportation, Distribution and Logistics	Career Cluster
492097	Electronic Home Entertainment Equipment Installers and Repairers	Manufacturing	Career Cluster



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492098	Security and Fire Alarm Systems Installers	Manufacturing	Career Cluster
493011	Aircraft Mechanics and Service Technicians	Transportation, Distribution and Logistics	Career Cluster
493021	Automotive Body and Related Repairers	Transportation, Distribution and Logistics	Career Cluster
493022	Automotive Glass Installers and Repairers	Transportation, Distribution and Logistics	Career Cluster
493023	Automotive Service Technicians and Mechanics	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
493031	Bus and Truck Mechanics and Diesel Engine Specialists	Transportation, Distribution and Logistics	Career Cluster
493041	Farm Equipment Mechanics	Agriculture, Food and Natural Resources	Career Cluster
493042	Mobile Heavy Equipment Mechanics, Except Engines	Transportation, Distribution and Logistics	Career Cluster
493043	Rail Car Repairers	Transportation, Distribution and Logistics	Career Cluster
493051	Motorboat Mechanics	Transportation, Distribution and Logistics	Career Cluster
493052	Motorcycle Mechanics	Transportation, Distribution and Logistics	Career Cluster
493053	Outdoor Power Equipment and Other Small Engine Mechanics	Manufacturing	Career Cluster
493091	Bicycle Repairers	Transportation, Distribution and Logistics	Regional Demand
493092	Recreational Vehicle Service Technicians	Transportation, Distribution and Logistics	Career Cluster
493093	Tire Repairers and Changers	Transportation, Distribution and Logistics	Career Cluster
499021	Heating and Air Conditioning Mechanics and Installers	Green Economy Sectors	Career Cluster
499041	Industrial Machinery Mechanics	Green Economy Sectors; Manufacturing	Career Cluster
499042	Maintenance and Repair Workers, General	Green Economy Sectors; Manufacturing	Career Cluster
499043	Maintenance Workers, Machinery	Manufacturing	Career Cluster
499044	Millwrights	Green Economy Sectors; Manufacturing	Career Cluster
499051	Electrical Power-Line Installers and Repairers	Green Economy Sectors	Career Cluster
499062	Medical Equipment Repairers	Manufacturing	Career Cluster
499063	Musical Instrument Repairers and Tuners	Manufacturing	Career Cluster
499064	Watch Repairers	Manufacturing	Career Cluster
499091	Coin, Vending, and Amusement Machine Servicers and Repairers	Manufacturing	Career Cluster
499092	Commercial Divers	Agriculture, Food and Natural Resources	Career Cluster
499093	Fabric Menders, Except Garment	Manufacturing	Career Cluster
499094	Locksmiths and Safe Repairers	Manufacturing	Career Cluster
499097	Signal and Track Switch Repairers	Transportation, Distribution and Logistics	Career Cluster
499098	Helpers--Installation, Maintenance, and Repair Workers	Green Economy Sectors	Career Cluster
499099	Geothermal Technicians	Green Economy Sectors	Career Cluster
511011	First-Line Supervisors/Managers of Production and Operating Workers	Green Economy Sectors; Manufacturing	Career Cluster
512011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512021	Coil Winders, Tapers, and Finishers	Manufacturing	Career Cluster
512022	Electrical and Electronic Equipment Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512023	Electromechanical Equipment Assemblers	Manufacturing	Career Cluster
512031	Engine and Other Machine Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512041	Structural Metal Fabricators and Fitters	Green Economy Sectors	Career Cluster
512091	Fiberglass Laminators and Fabricators	Manufacturing	Career Cluster
512092	Team Assemblers	Green Economy Sectors; Manufacturing	Career Cluster



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512093	Timing Device Assemblers, Adjusters, and Calibrators	Manufacturing	Career Cluster
513021	Butchers and Meat Cutters	Agriculture, Food and Natural Resources	Career Cluster
513022	Meat, Poultry, and Fish Cutters and Trimmers	Agriculture, Food and Natural Resources	Career Cluster
513023	Slaughterers and Meat Packers	Agriculture, Food and Natural Resources	Career Cluster
513091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	Agriculture, Food and Natural Resources	Career Cluster
513092	Food Batchmakers	Agriculture, Food and Natural Resources	Career Cluster
513093	Food Cooking Machine Operators and Tenders	Agriculture, Food and Natural Resources	Career Cluster
514011	Computer-Controlled Machine Tool Operators, Metal and Plastic	Green Economy Sectors; Manufacturing	Career Cluster
514012	Numerical Tool and Process Control Programmers	Manufacturing	Career Cluster
514021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	Green Economy Sectors; Manufacturing	Career Cluster
514032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Green Economy Sectors; Manufacturing	Career Cluster
514033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514041	Machinists	Green Economy Sectors	Career Cluster
514051	Metal-Refining Furnace Operators and Tenders	Manufacturing	Career Cluster
514052	Pourers and Casters, Metal	Manufacturing	Career Cluster
514061	Model Makers, Metal and Plastic	Manufacturing	Career Cluster
514062	Patternmakers, Metal and Plastic	Manufacturing	Career Cluster
514071	Foundry Mold and Coremakers	Manufacturing	Career Cluster
514072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514111	Tool and Die Makers	Manufacturing	Career Cluster
514121	Welders, Cutters, Solderers, and Brazers	Green Economy Sectors; Manufacturing	Career Cluster
514122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
514191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514192	Lay-Out Workers, Metal and Plastic	Manufacturing	Career Cluster

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514193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514194	Tool Grinders, Filers, and Sharpeners	Manufacturing	Career Cluster
516031	Sewing Machine Operators	Manufacturing	Career Cluster
516041	Shoe and Leather Workers and Repairers	Manufacturing	Career Cluster
516042	Shoe Machine Operators and Tenders	Manufacturing	Career Cluster
516051	Sewers, Hand	Manufacturing	Career Cluster
516061	Textile Bleaching and Dyeing Machine Operators and Tenders	Manufacturing	Career Cluster
516062	Textile Cutting Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
516063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
516064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
516091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	Manufacturing	Career Cluster
516092	Fabric and Apparel Patternmakers	Manufacturing	Career Cluster
516093	Upholsterers	Manufacturing	Career Cluster
517011	Cabinetmakers and Bench Carpenters	Manufacturing	Career Cluster
517021	Furniture Finishers	Manufacturing	Career Cluster
517031	Model Makers, Wood	Manufacturing	Career Cluster
517032	Patternmakers, Wood	Manufacturing	Regional Demand
517041	Sawing Machine Setters, Operators, and Tenders, Wood	Agriculture, Food and Natural Resources	Career Cluster
517042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	Manufacturing	Career Cluster
518011	Nuclear Power Reactor Operators	Green Economy Sectors; Manufacturing	Career Cluster
518012	Power Distributors and Dispatchers	Green Economy Sectors; Manufacturing	Career Cluster
518013	Power Plant Operators	Green Economy Sectors; Manufacturing	Career Cluster
518021	Stationary Engineers and Boiler Operators	Green Economy Sectors	Career Cluster
518031	Water and Liquid Waste Treatment Plant and System Operators	Agriculture, Food and Natural Resources	Career Cluster
518091	Chemical Plant and System Operators	Green Economy Sectors; Manufacturing	Career Cluster
518092	Gas Plant Operators	Agriculture, Food and Natural Resources	Career Cluster
518093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	Agriculture, Food and Natural Resources	Career Cluster
518099	Biofuels Processing Technicians	Green Economy Sectors; Manufacturing	Career Cluster
519011	Chemical Equipment Operators and Tenders	Green Economy Sectors; Manufacturing	Career Cluster
519012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	Green Economy Sectors	Career Cluster
519021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519022	Grinding and Polishing Workers, Hand	Manufacturing	Career Cluster
519023	Mixing and Blending Machine Setters, Operators, and Tenders	Green Economy Sectors; Manufacturing	Career Cluster
519031	Cutters and Trimmers, Hand	Manufacturing	Career Cluster
519032	Cutting and Slicing Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster

## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
519041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	Manufacturing	Career Cluster
519061	Inspectors, Testers, Sorters, Samplers, and Weighers	Green Economy Sectors; Manufacturing	Career Cluster
519071	Jewelers and Precious Stone and Metal Workers	Manufacturing	Career Cluster
519081	Dental Laboratory Technicians	Health Science	Career Cluster
519082	Medical Appliance Technicians	Manufacturing	Career Cluster
519083	Ophthalmic Laboratory Technicians	Health Science	Career Cluster
519111	Packaging and Filling Machine Operators and Tenders	Manufacturing	Career Cluster
519121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519122	Painters, Transportation Equipment	Manufacturing	Career Cluster
519123	Painting, Coating, and Decorating Workers	Manufacturing	Career Cluster
519131	Photographic Process Workers	Manufacturing	Career Cluster
519132	Photographic Processing Machine Operators	Manufacturing	Career Cluster
519141	Semiconductor Processors	Manufacturing	Career Cluster
519191	Cementing and Gluing Machine Operators and Tenders	Manufacturing	Career Cluster
519192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	Manufacturing	Career Cluster
519193	Cooling and Freezing Equipment Operators and Tenders	Manufacturing	Career Cluster
519194	Etchers and Engravers	Manufacturing	Career Cluster
519195	Molders, Shapers, and Casters, Except Metal and Plastic	Manufacturing	Career Cluster
519196	Paper Goods Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519197	Tire Builders	Manufacturing	Career Cluster
519198	Helpers--Production Workers	Manufacturing	Career Cluster
519199	Recycling and Reclamation Workers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
531011	Aircraft Cargo Handling Supervisors	Transportation, Distribution and Logistics	Career Cluster
531021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	Agriculture, Food and Natural Resources; Green Economy Sectors	State Wide
531031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	Transportation, Distribution and Logistics	Career Cluster
532011	Airline Pilots, Copilots, and Flight Engineers	Transportation, Distribution and Logistics	Career Cluster
532012	Commercial Pilots	Transportation, Distribution and Logistics	Career Cluster
532021	Air Traffic Controllers	Transportation, Distribution and Logistics	Career Cluster
532022	Airfield Operations Specialists	Transportation, Distribution and Logistics	Career Cluster
533011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	Transportation, Distribution and Logistics	Career Cluster
533021	Bus Drivers, Transit and Intercity	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
533022	Bus Drivers, School	Transportation, Distribution and Logistics	Career Cluster

## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
533032	Truck Drivers, Heavy and Tractor-Trailer	Green Economy Sectors; Transportation, Distribution and Logistics	Regional Demand
533033	Truck Drivers, Light or Delivery Services	Transportation, Distribution and Logistics	Career Cluster
533041	Taxi Drivers and Chauffeurs	Transportation, Distribution and Logistics	Career Cluster
534011	Locomotive Engineers	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
534012	Locomotive Firers	Transportation, Distribution and Logistics	Career Cluster
534013	Rail Yard Engineers, Dinkey Operators, and Hostlers	Transportation, Distribution and Logistics	Career Cluster
534021	Railroad Brake, Signal, and Switch Operators	Transportation, Distribution and Logistics	Career Cluster
534031	Railroad Conductors and Yardmasters	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
534041	Subway and Streetcar Operators	Transportation, Distribution and Logistics	Career Cluster
535011	Sailors and Marine Oilers	Transportation, Distribution and Logistics	Career Cluster
535021	Captains, Mates, and Pilots of Water Vessels	Transportation, Distribution and Logistics	Career Cluster
535022	Motorboat Operators	Transportation, Distribution and Logistics	Career Cluster
535031	Ship Engineers	Transportation, Distribution and Logistics	Career Cluster
536011	Bridge and Lock Tenders	Transportation, Distribution and Logistics	Career Cluster
536041	Traffic Technicians	Transportation, Distribution and Logistics	Regional Demand
536051	Aviation Inspectors	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
537033	Loading Machine Operators, Underground Mining	Agriculture, Food and Natural Resources	Career Cluster
537051	Industrial Truck and Tractor Operators	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
537061	Cleaners of Vehicles and Equipment	Transportation, Distribution and Logistics	Career Cluster
537062	Laborers and Freight, Stock, and Material Movers, Hand	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
537063	Machine Feeders and Offbearers	Manufacturing	Career Cluster
537064	Packers and Packagers, Hand	Transportation, Distribution and Logistics	Career Cluster
537071	Gas Compressor and Gas Pumping Station Operators	Agriculture, Food and Natural Resources	Career Cluster
537072	Pump Operators, Except Wellhead Pumps	Agriculture, Food and Natural Resources	Career Cluster
537073	Wellhead Pumps	Agriculture, Food and Natural Resources	Career Cluster
537081	Refuse and Recyclable Material Collectors	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
537111	Shuttle Car Operators	Agriculture, Food and Natural Resources	Career Cluster
537121	Tank Car, Truck, and Ship Loaders	Transportation, Distribution and Logistics	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
111011	Chief Sustainability Officers	Green Economy Sectors	Career Cluster
111021	General and Operations Managers	Green Economy Sectors	State Wide
112011	Green Marketers	Green Economy Sectors	Career Cluster
112021	Marketing Managers	Green Economy Sectors	Career Cluster
113021	Computer and Information Systems Managers	Information Technology	Career Cluster
113031	Financial Managers, Branch or Department	Agriculture, Food and Natural Resources	Career Cluster
113051	Industrial Production Managers	Green Economy Sectors; Manufacturing	Career Cluster
113071	Transportation Managers	Green Economy Sectors; Transportation, Distribution and Logistics	State Wide
119011	Farm, Ranch, and Other Agricultural Managers	Agriculture, Food and Natural Resources	Career Cluster
119012	Farmers and Ranchers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
119021	Construction Managers	Green Economy Sectors	Career Cluster
119032	Education Administrators, Elementary and Secondary School	Other	State Wide
119041	Engineering Managers	Green Economy Sectors	Career Cluster
119111	Clinical Nurse Specialists	Health Science	Career Cluster
119121	Clinical Research Coordinators	Agriculture, Food and Natural Resources; Green Economy Sectors; Health Science	Career Cluster
119199	Supply Chain Managers	Green Economy Sectors; Transportation, Distribution and Logistics	Regional Demand
131021	Purchasing Agents and Buyers, Farm Products	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
131022	Wholesale and Retail Buyers, Except Farm Products	Green Economy Sectors	Career Cluster
131023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	Manufacturing	Career Cluster
131031	Claims Adjusters, Examiners, and Investigators	Other	State Wide
131041	Regulatory Affairs Specialists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
131073	Training and Development Specialists	Green Economy Sectors	Career Cluster
131081	Logisticians	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
131111	Management Analysts	Other	State Wide
131199	Customs Brokers	Green Economy Sectors; Transportation, Distribution and Logistics	State Wide
132011	Accountants and Auditors	Other	State Wide
132051	Financial Analysts	Green Economy Sectors	Career Cluster
132052	Personal Financial Advisors	Green Economy Sectors	Career Cluster
132099	Financial Quantitative Analysts	Green Economy Sectors	Career Cluster
151021	Computer Programmers	Information Technology	Career Cluster
151031	Computer Software Engineers, Applications	Information Technology	State Wide
151032	Computer Software Engineers, Systems Software	Green Economy Sectors; Information Technology	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
151041	Computer Support Specialists	Information Technology	State Wide
151051	Computer Systems Analysts	Health Science; Information Technology	State Wide
151061	Database Administrators	Information Technology	Career Cluster
151071	Network and Computer Systems Administrators	Information Technology	State Wide
151081	Network Systems and Data Communications Analysts	Information Technology	State Wide
151099	Computer Specialists, All Other	Green Economy Sectors; Information Technology	State Wide
152041	Clinical Data Managers	Health Science	Career Cluster
152091	Mathematical Technicians	Health Science	Career Cluster
171011	Architects, Except Landscape and Naval	Green Economy Sectors	Career Cluster
171012	Landscape Architects	Green Economy Sectors	Career Cluster
171021	Cartographers and Photogrammetrists	Agriculture, Food and Natural Resources	Career Cluster
172011	Aerospace Engineers	Green Economy Sectors	State Wide
172031	Biomedical Engineers	Health Science	Career Cluster
172041	Chemical Engineers	Green Economy Sectors	Career Cluster
172051	Civil Engineers	Green Economy Sectors	State Wide
172071	Electrical Engineers	Green Economy Sectors	Career Cluster
172072	Electronics Engineers, Except Computer	Green Economy Sectors	State Wide
172081	Environmental Engineers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
172111	Industrial Safety and Health Engineers	Green Economy Sectors	Career Cluster
172112	Industrial Engineers	Green Economy Sectors	Career Cluster
172141	Mechanical Engineers	Green Economy Sectors	State Wide
172161	Nuclear Engineers	Green Economy Sectors	Career Cluster
172199	Biochemical Engineers	Green Economy Sectors	Career Cluster
173011	Architectural Drafters	Green Economy Sectors	Career Cluster
173021	Aerospace Engineering and Operations Technicians	Transportation, Distribution and Logistics	Career Cluster
173023	Electronics Engineering Technicians	Green Economy Sectors	Career Cluster
173024	Robotics Technicians	Green Economy Sectors; Manufacturing	Career Cluster
173025	Environmental Engineering Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
173026	Industrial Engineering Technicians	Green Economy Sectors; Manufacturing	Career Cluster
173027	Mechanical Engineering Technicians	Green Economy Sectors; Manufacturing	Career Cluster
173029	Photonics Technicians	Green Economy Sectors	Career Cluster
191011	Animal Scientists	Agriculture, Food and Natural Resources	Career Cluster
191012	Food Scientists and Technologists	Agriculture, Food and Natural Resources	Career Cluster
191013	Soil and Plant Scientists	Agriculture, Food and Natural Resources	Career Cluster
191020	Biologists	Health Science	Career Cluster
191023	Zoologists and Wildlife Biologists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster



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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
191031	Soil and Water Conservationists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
191032	Foresters	Agriculture, Food and Natural Resources	Career Cluster
191041	Epidemiologists	Health Science	Career Cluster
191042	Medical Scientists, Except Epidemiologists	Health Science	Career Cluster
192021	Atmospheric and Space Scientists	Green Economy Sectors	Career Cluster
192031	Chemists	Green Economy Sectors	State Wide
192032	Materials Scientists	Green Economy Sectors	Career Cluster
192041	Environmental Scientists and Specialists, Including Health	Green Economy Sectors	Career Cluster
192042	Geoscientists, Except Hydrologists and Geographers	Green Economy Sectors	Career Cluster
192043	Hydrologists	Green Economy Sectors	Career Cluster
192099	Remote Sensing Scientists and Technologists	Green Economy Sectors	Career Cluster
193011	Environmental Economists	Green Economy Sectors	Career Cluster
193031	Clinical Psychologists	Health Science	Career Cluster
193039	Neuropsychologists and Clinical Neuropsychologists	Health Science	Career Cluster
193051	Urban and Regional Planners	Green Economy Sectors	Career Cluster
193099	Transportation Planners	Green Economy Sectors	Career Cluster
194011	Agricultural Technicians	Green Economy Sectors	Career Cluster
194031	Chemical Technicians	Green Economy Sectors	Career Cluster
194041	Geophysical Data Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
194051	Nuclear Equipment Operation Technicians	Green Economy Sectors	Career Cluster
194091	Environmental Science and Protection Technicians, Including Health	Agriculture, Food and Natural Resources	Career Cluster
194093	Forest and Conservation Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
194099	Precision Agriculture Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
211023	Mental Health and Substance Abuse Social Workers	Health Science	Career Cluster
211091	Health Educators	Health Science	Career Cluster
231022	Arbitrators, Mediators, and Conciliators	Green Economy Sectors	Career Cluster
251041	Agricultural Sciences Teachers, Postsecondary	Agriculture, Food and Natural Resources	Career Cluster
251042	Biological Science Teachers, Postsecondary	Other	Regional Demand
251199	Postsecondary Teachers, All Other	Other	Regional Demand
252021	Elementary School Teachers, Except Special Education	Other	State Wide
252022	Middle School Teachers, Except Special and Vocational Education	Other	State Wide
252031	Secondary School Teachers, Except Special and Vocational Education	Other	State Wide
259021	Farm and Home Management Advisors	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
271021	Commercial and Industrial Designers	Green Economy Sectors	Career Cluster
273022	Reporters and Correspondents	Green Economy Sectors	Career Cluster
273031	Public Relations Specialists	Green Economy Sectors	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
291011	Chiropractors	Health Science	Career Cluster
291021	Dentists, General	Health Science	Career Cluster
291022	Oral and Maxillofacial Surgeons	Health Science	Career Cluster
291023	Orthodontists	Health Science	Career Cluster
291024	Prosthodontists	Health Science	Career Cluster
291031	Dietitians and Nutritionists	Health Science	Career Cluster
291041	Optometrists	Health Science	Career Cluster
291051	Pharmacists	Health Science	Career Cluster
291061	Anesthesiologists	Health Science	Career Cluster
291062	Family and General Practitioners	Health Science	Career Cluster
291063	Internists, General	Health Science	Career Cluster
291064	Obstetricians and Gynecologists	Health Science	Career Cluster
291065	Pediatricians, General	Health Science	Career Cluster
291066	Psychiatrists	Health Science	Career Cluster
291067	Surgeons	Health Science	Career Cluster
291069	Physicians and Surgeons, All Other	Health Science	Career Cluster
291071	Physician Assistants	Health Science	Career Cluster
291081	Podiatrists	Health Science	Career Cluster
291111	Registered Nurses	Health Science	Regional Demand
291121	Audiologists	Health Science	Career Cluster
291122	Occupational Therapists	Health Science	Career Cluster
291123	Physical Therapists	Health Science	Career Cluster
291124	Radiation Therapists	Health Science	Career Cluster
291125	Recreational Therapists	Health Science	Career Cluster
291126	Respiratory Therapists	Health Science	State Wide
291127	Speech-Language Pathologists	Health Science	Career Cluster
291131	Veterinarians	Agriculture, Food and Natural Resources	Career Cluster
291199	Health Diagnosing and Treating Practitioners, All Other	Health Science	Career Cluster
292011	Medical and Clinical Laboratory Technologists	Health Science	State Wide
292012	Medical and Clinical Laboratory Technicians	Health Science	Career Cluster
292021	Dental Hygienists	Health Science	State Wide
292031	Cardiovascular Technologists and Technicians	Health Science	Career Cluster
292032	Diagnostic Medical Sonographers	Health Science	Career Cluster
292033	Nuclear Medicine Technologists	Health Science	Career Cluster
292034	Radiologic Technologists and Technicians	Health Science	State Wide
292041	Emergency Medical Technicians and Paramedics	Law, Public Safety, Corrections and Security	State Wide
292051	Dietetic Technicians	Health Science	Career Cluster
292052	Pharmacy Technicians	Health Science	Career Cluster
292053	Psychiatric Technicians	Health Science	Career Cluster
292054	Respiratory Therapy Technicians	Health Science	Career Cluster
292055	Surgical Technologists	Health Science	State Wide

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
292056	Veterinary Technologists and Technicians	Agriculture, Food and Natural Resources	Career Cluster
292061	Licensed Practical and Licensed Vocational Nurses	Health Science	Regional Demand
292071	Medical Records and Health Information Technicians	Health Science	Career Cluster
292081	Opticians, Dispensing	Health Science	Career Cluster
292091	Orthotists and Prosthetists	Health Science	Career Cluster
292099	Health Technologists and Technicians, All Other	Health Science	Career Cluster
299011	Occupational Health and Safety Specialists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
299012	Occupational Health and Safety Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
299091	Athletic Trainers	Health Science	Career Cluster
299099	Midwives	Health Science	Career Cluster
311011	Home Health Aides	Health Science	Career Cluster
311012	Nursing Aides, Orderlies, and Attendants	Health Science	Career Cluster
311013	Psychiatric Aides	Health Science	Career Cluster
312011	Occupational Therapist Assistants	Health Science	Career Cluster
312012	Occupational Therapist Aides	Health Science	Career Cluster
312021	Physical Therapist Assistants	Health Science	State Wide
312022	Physical Therapist Aides	Health Science	Career Cluster
319091	Dental Assistants	Health Science	Career Cluster
319092	Medical Assistants	Health Science	Career Cluster
319093	Medical Equipment Preparers	Health Science	Career Cluster
319094	Medical Transcriptionists	Health Science	Career Cluster
319095	Pharmacy Aides	Health Science	Career Cluster
319096	Veterinary Assistants and Laboratory Animal Caretakers	Agriculture, Food and Natural Resources	Career Cluster
319099	Healthcare Support Workers, All Other	Health Science	Career Cluster
333012	Correctional Officers and Jailers	Other	State Wide
333031	Fish and Game Wardens	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
333051	Police and Sheriff's Patrol Officers	Other	State Wide
371012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	Agriculture, Food and Natural Resources	Career Cluster
372021	Pest Control Workers	Agriculture, Food and Natural Resources	Career Cluster
373012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	Agriculture, Food and Natural Resources	Career Cluster
373013	Tree Trimmers and Pruners	Agriculture, Food and Natural Resources	Career Cluster
392021	Nonfarm Animal Caretakers	Agriculture, Food and Natural Resources	Career Cluster
396031	Flight Attendants	Transportation, Distribution and Logistics	Career Cluster
411011	First-Line Supervisors/Managers of Retail Sales Workers	Agriculture, Food and Natural Resources	Regional Demand
412022	Parts Salespersons	Agriculture, Food and Natural Resources	Career Cluster
413031	Securities and Commodities Traders	Green Economy Sectors	Career Cluster
413099	Energy Brokers	Green Economy Sectors	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
414011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	Green Economy Sectors	State Wide
414012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	Other	State Wide
431011	First-Line Supervisors/Managers of Office and Administrative Support Workers	Other	State Wide
433021	Billing and Posting Clerks and Machine Operators	Health Science	Career Cluster
433031	Bookkeeping, Accounting, and Auditing Clerks	Other	Regional Demand
434051	Patient Representatives	Green Economy Sectors	Regional Demand
435011	Cargo and Freight Agents	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
435032	Dispatchers, Except Police, Fire, and Ambulance	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
435061	Production, Planning, and Expediting Clerks	Green Economy Sectors; Manufacturing	Career Cluster
435071	Shipping, Receiving, and Traffic Clerks	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
435111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	Manufacturing	Career Cluster
436011	Executive Secretaries and Administrative Assistants	Other	State Wide
451011	First-Line Supervisors/Managers of Logging Workers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
451012	Farm Labor Contractors	Agriculture, Food and Natural Resources	Career Cluster
452011	Agricultural Inspectors	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
452021	Animal Breeders	Agriculture, Food and Natural Resources	Career Cluster
452041	Graders and Sorters, Agricultural Products	Agriculture, Food and Natural Resources	Career Cluster
452091	Agricultural Equipment Operators	Agriculture, Food and Natural Resources	Career Cluster
452092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	Agriculture, Food and Natural Resources	Career Cluster
452093	Farmworkers, Farm and Ranch Animals	Agriculture, Food and Natural Resources	Career Cluster
453011	Fishers and Related Fishing Workers	Agriculture, Food and Natural Resources	Career Cluster
453021	Hunters and Trappers	Agriculture, Food and Natural Resources	Career Cluster
454011	Forest and Conservation Workers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
454021	Fallers	Agriculture, Food and Natural Resources	Career Cluster
454022	Logging Equipment Operators	Agriculture, Food and Natural Resources	Career Cluster
454023	Log Graders and Scalers	Agriculture, Food and Natural Resources	Career Cluster
471011	Solar Energy Installation Managers	Green Economy Sectors; Manufacturing	Career Cluster
472011	Boilermakers	Other	Career Cluster
472031	Construction Carpenters	Green Economy Sectors	Regional Demand
472051	Cement Masons and Concrete Finishers	Green Economy Sectors	Career Cluster
472061	Construction Laborers	Green Economy Sectors	Career Cluster
472073	Operating Engineers and Other Construction Equipment Operators	Green Economy Sectors	Career Cluster

## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
472111	Electricians	Green Economy Sectors	State Wide
472131	Insulation Workers, Floor, Ceiling, and Wall	Green Economy Sectors	Career Cluster
472152	Pipe Fitters and Steamfitters	Green Economy Sectors	State Wide
472181	Roofers	Green Economy Sectors	Career Cluster
472211	Sheet Metal Workers	Green Economy Sectors	Career Cluster
472221	Structural Iron and Steel Workers	Green Economy Sectors	Career Cluster
473012	Helpers--Carpenters	Green Economy Sectors	Career Cluster
474011	Construction and Building Inspectors	Green Economy Sectors	Career Cluster
474041	Hazardous Materials Removal Workers	Green Economy Sectors	Career Cluster
474061	Rail-Track Laying and Maintenance Equipment Operators	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
474099	Solar Photovoltaic Installers	Green Economy Sectors	Career Cluster
475011	Derrick Operators, Oil and Gas	Agriculture, Food and Natural Resources	Career Cluster
475012	Rotary Drill Operators, Oil and Gas	Agriculture, Food and Natural Resources	Career Cluster
475013	Service Unit Operators, Oil, Gas, and Mining	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
475031	Explosives Workers, Ordnance Handling Experts, and Blasters	Agriculture, Food and Natural Resources	Career Cluster
475041	Continuous Mining Machine Operators	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
475042	Mine Cutting and Channeling Machine Operators	Agriculture, Food and Natural Resources	Career Cluster
475051	Rock Splitters, Quarry	Agriculture, Food and Natural Resources	Career Cluster
475061	Roof Bolters, Mining	Agriculture, Food and Natural Resources	Career Cluster
475071	Roustabouts, Oil and Gas	Agriculture, Food and Natural Resources	Career Cluster
475081	Helpers--Extraction Workers	Agriculture, Food and Natural Resources	Career Cluster
491011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	Green Economy Sectors; Manufacturing	State Wide
492011	Computer, Automated Teller, and Office Machine Repairers	Manufacturing	Career Cluster
492021	Radio Mechanics	Manufacturing	Career Cluster
492022	Telecommunications Equipment Installers and Repairers, Except Line Installers	Manufacturing	Career Cluster
492091	Avionics Technicians	Transportation, Distribution and Logistics	Career Cluster
492092	Electric Motor, Power Tool, and Related Repairers	Manufacturing	Career Cluster
492093	Electrical and Electronics Installers and Repairers, Transportation Equipment	Transportation, Distribution and Logistics	Career Cluster
492094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	Green Economy Sectors; Manufacturing	State Wide
492096	Electronic Equipment Installers and Repairers, Motor Vehicles	Transportation, Distribution and Logistics	Career Cluster
492097	Electronic Home Entertainment Equipment Installers and Repairers	Manufacturing	Career Cluster
492098	Security and Fire Alarm Systems Installers	Manufacturing	Career Cluster
493011	Aircraft Mechanics and Service Technicians	Transportation, Distribution and Logistics	Career Cluster
493021	Automotive Body and Related Repairers	Transportation, Distribution and Logistics	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
493022	Automotive Glass Installers and Repairers	Transportation, Distribution and Logistics	Career Cluster
493023	Automotive Service Technicians and Mechanics	Green Economy Sectors; Transportation, Distribution and Logistics	Regional Demand
493031	Bus and Truck Mechanics and Diesel Engine Specialists	Transportation, Distribution and Logistics	Career Cluster
493041	Farm Equipment Mechanics	Agriculture, Food and Natural Resources	Career Cluster
493042	Mobile Heavy Equipment Mechanics, Except Engines	Transportation, Distribution and Logistics	Career Cluster
493043	Rail Car Repairers	Transportation, Distribution and Logistics	Career Cluster
493051	Motorboat Mechanics	Transportation, Distribution and Logistics	Career Cluster
493052	Motorcycle Mechanics	Transportation, Distribution and Logistics	Career Cluster
493053	Outdoor Power Equipment and Other Small Engine Mechanics	Manufacturing	Career Cluster
493091	Bicycle Repairers	Transportation, Distribution and Logistics	Career Cluster
493092	Recreational Vehicle Service Technicians	Transportation, Distribution and Logistics	Career Cluster
493093	Tire Repairers and Changers	Transportation, Distribution and Logistics	Career Cluster
499021	Heating and Air Conditioning Mechanics and Installers	Green Economy Sectors	Career Cluster
499041	Industrial Machinery Mechanics	Green Economy Sectors; Manufacturing	Career Cluster
499042	Maintenance and Repair Workers, General	Green Economy Sectors; Manufacturing	Career Cluster
499043	Maintenance Workers, Machinery	Manufacturing	Career Cluster
499044	Millwrights	Green Economy Sectors; Manufacturing	Career Cluster
499051	Electrical Power-Line Installers and Repairers	Green Economy Sectors	Career Cluster
499062	Medical Equipment Repairers	Manufacturing	Career Cluster
499063	Musical Instrument Repairers and Tuners	Manufacturing	Career Cluster
499064	Watch Repairers	Manufacturing	Career Cluster
499091	Coin, Vending, and Amusement Machine Servicers and Repairers	Manufacturing	Career Cluster
499092	Commercial Divers	Agriculture, Food and Natural Resources	Career Cluster
499093	Fabric Menders, Except Garment	Manufacturing	Career Cluster
499094	Locksmiths and Safe Repairers	Manufacturing	Career Cluster
499097	Signal and Track Switch Repairers	Transportation, Distribution and Logistics	Career Cluster
499098	Helpers--Installation, Maintenance, and Repair Workers	Green Economy Sectors	Career Cluster
499099	Geothermal Technicians	Green Economy Sectors	Career Cluster
511011	First-Line Supervisors/Managers of Production and Operating Workers	Green Economy Sectors; Manufacturing	Career Cluster
512011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512021	Coil Winders, Tapers, and Finishers	Manufacturing	Career Cluster
512022	Electrical and Electronic Equipment Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512023	Electromechanical Equipment Assemblers	Manufacturing	Career Cluster
512031	Engine and Other Machine Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512041	Structural Metal Fabricators and Fitters	Green Economy Sectors	Career Cluster
512091	Fiberglass Laminators and Fabricators	Manufacturing	Career Cluster
512092	Team Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512093	Timing Device Assemblers, Adjusters, and Calibrators	Manufacturing	Career Cluster
513021	Butchers and Meat Cutters	Agriculture, Food and Natural Resources	Career Cluster
513022	Meat, Poultry, and Fish Cutters and Trimmers	Agriculture, Food and Natural Resources	Career Cluster



## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
513023	Slaughterers and Meat Packers	Agriculture, Food and Natural Resources	Career Cluster
513091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	Agriculture, Food and Natural Resources	Career Cluster
513092	Food Batchmakers	Agriculture, Food and Natural Resources	Career Cluster
513093	Food Cooking Machine Operators and Tenders	Agriculture, Food and Natural Resources	Career Cluster
514011	Computer-Controlled Machine Tool Operators, Metal and Plastic	Green Economy Sectors; Manufacturing	Career Cluster
514012	Numerical Tool and Process Control Programmers	Manufacturing	Career Cluster
514021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	Green Economy Sectors; Manufacturing	Career Cluster
514032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Green Economy Sectors; Manufacturing	Career Cluster
514033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514041	Machinists	Green Economy Sectors	Career Cluster
514051	Metal-Refining Furnace Operators and Tenders	Manufacturing	Career Cluster
514052	Pourers and Casters, Metal	Manufacturing	Career Cluster
514061	Model Makers, Metal and Plastic	Manufacturing	Career Cluster
514062	Patternmakers, Metal and Plastic	Manufacturing	Career Cluster
514071	Foundry Mold and Coremakers	Manufacturing	Career Cluster
514072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514111	Tool and Die Makers	Manufacturing	Career Cluster
514121	Welders, Cutters, Solderers, and Brazers	Green Economy Sectors; Manufacturing	Career Cluster
514122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
514191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514192	Lay-Out Workers, Metal and Plastic	Manufacturing	Career Cluster
514193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514194	Tool Grinders, Filers, and Sharpeners	Manufacturing	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
516031	Sewing Machine Operators	Manufacturing	Career Cluster
516041	Shoe and Leather Workers and Repairers	Manufacturing	Career Cluster
516042	Shoe Machine Operators and Tenders	Manufacturing	Career Cluster
516051	Sewers, Hand	Manufacturing	Career Cluster
516061	Textile Bleaching and Dyeing Machine Operators and Tenders	Manufacturing	Career Cluster
516062	Textile Cutting Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
516063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
516064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
516091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	Manufacturing	Career Cluster
516092	Fabric and Apparel Patternmakers	Manufacturing	Career Cluster
516093	Upholsterers	Manufacturing	Career Cluster
517011	Cabinetmakers and Bench Carpenters	Manufacturing	Career Cluster
517021	Furniture Finishers	Manufacturing	Career Cluster
517031	Model Makers, Wood	Manufacturing	Career Cluster
517032	Patternmakers, Wood	Manufacturing	Career Cluster
517041	Sawing Machine Setters, Operators, and Tenders, Wood	Agriculture, Food and Natural Resources	Career Cluster
517042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	Manufacturing	Career Cluster
518011	Nuclear Power Reactor Operators	Green Economy Sectors; Manufacturing	Career Cluster
518012	Power Distributors and Dispatchers	Green Economy Sectors; Manufacturing	Career Cluster
518013	Power Plant Operators	Green Economy Sectors; Manufacturing	Career Cluster
518021	Stationary Engineers and Boiler Operators	Green Economy Sectors	Career Cluster
518031	Water and Liquid Waste Treatment Plant and System Operators	Agriculture, Food and Natural Resources	Career Cluster
518091	Chemical Plant and System Operators	Green Economy Sectors; Manufacturing	Career Cluster
518092	Gas Plant Operators	Agriculture, Food and Natural Resources	Career Cluster
518093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	Agriculture, Food and Natural Resources	Career Cluster
518099	Biofuels Processing Technicians	Green Economy Sectors; Manufacturing	Career Cluster
519011	Chemical Equipment Operators and Tenders	Green Economy Sectors; Manufacturing	Career Cluster
519012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	Green Economy Sectors	Career Cluster
519021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519022	Grinding and Polishing Workers, Hand	Manufacturing	Career Cluster
519023	Mixing and Blending Machine Setters, Operators, and Tenders	Green Economy Sectors; Manufacturing	Career Cluster
519031	Cutters and Trimmers, Hand	Manufacturing	Career Cluster
519032	Cutting and Slicing Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	Manufacturing	Career Cluster
519061	Inspectors, Testers, Sorters, Samplers, and Weighers	Green Economy Sectors; Manufacturing	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
519071	Jewelers and Precious Stone and Metal Workers	Manufacturing	Career Cluster
519081	Dental Laboratory Technicians	Health Science	Career Cluster
519082	Medical Appliance Technicians	Manufacturing	Career Cluster
519083	Ophthalmic Laboratory Technicians	Health Science	Career Cluster
519111	Packaging and Filling Machine Operators and Tenders	Manufacturing	Career Cluster
519121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519122	Painters, Transportation Equipment	Manufacturing	Career Cluster
519123	Painting, Coating, and Decorating Workers	Manufacturing	Career Cluster
519131	Photographic Process Workers	Manufacturing	Career Cluster
519132	Photographic Processing Machine Operators	Manufacturing	Career Cluster
519141	Semiconductor Processors	Manufacturing	Career Cluster
519191	Cementing and Gluing Machine Operators and Tenders	Manufacturing	Career Cluster
519192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	Manufacturing	Career Cluster
519193	Cooling and Freezing Equipment Operators and Tenders	Manufacturing	Career Cluster
519194	Etchers and Engravers	Manufacturing	Career Cluster
519195	Molders, Shapers, and Casters, Except Metal and Plastic	Manufacturing	Career Cluster
519196	Paper Goods Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519197	Tire Builders	Manufacturing	Career Cluster
519198	Helpers--Production Workers	Manufacturing	Career Cluster
519199	Recycling and Reclamation Workers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
531011	Aircraft Cargo Handling Supervisors	Transportation, Distribution and Logistics	Career Cluster
531021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	Agriculture, Food and Natural Resources; Green Economy Sectors	State Wide
531031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	Transportation, Distribution and Logistics	Career Cluster
532011	Airline Pilots, Copilots, and Flight Engineers	Transportation, Distribution and Logistics	Career Cluster
532012	Commercial Pilots	Transportation, Distribution and Logistics	Career Cluster
532021	Air Traffic Controllers	Transportation, Distribution and Logistics	Career Cluster
532022	Airfield Operations Specialists	Transportation, Distribution and Logistics	Career Cluster
533011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	Transportation, Distribution and Logistics	Career Cluster
533021	Bus Drivers, Transit and Intercity	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
533022	Bus Drivers, School	Transportation, Distribution and Logistics	Career Cluster
533032	Truck Drivers, Heavy and Tractor-Trailer	Green Economy Sectors; Transportation, Distribution and Logistics	Regional Demand
533033	Truck Drivers, Light or Delivery Services	Transportation, Distribution and Logistics	Career Cluster
533041	Taxi Drivers and Chauffeurs	Transportation, Distribution and Logistics	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
534011	Locomotive Engineers	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
534012	Locomotive Firers	Transportation, Distribution and Logistics	Career Cluster
534013	Rail Yard Engineers, Dinkey Operators, and Hostlers	Transportation, Distribution and Logistics	Career Cluster
534021	Railroad Brake, Signal, and Switch Operators	Transportation, Distribution and Logistics	Career Cluster
534031	Railroad Conductors and Yardmasters	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
534041	Subway and Streetcar Operators	Transportation, Distribution and Logistics	Career Cluster
535011	Sailors and Marine Oilers	Transportation, Distribution and Logistics	Career Cluster
535021	Captains, Mates, and Pilots of Water Vessels	Transportation, Distribution and Logistics	Career Cluster
535022	Motorboat Operators	Transportation, Distribution and Logistics	Career Cluster
535031	Ship Engineers	Transportation, Distribution and Logistics	Career Cluster
536011	Bridge and Lock Tenders	Transportation, Distribution and Logistics	Career Cluster
536041	Traffic Technicians	Transportation, Distribution and Logistics	Career Cluster
536051	Aviation Inspectors	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
537033	Loading Machine Operators, Underground Mining	Agriculture, Food and Natural Resources	Career Cluster
537051	Industrial Truck and Tractor Operators	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
537061	Cleaners of Vehicles and Equipment	Transportation, Distribution and Logistics	Career Cluster
537062	Laborers and Freight, Stock, and Material Movers, Hand	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
537063	Machine Feeders and Offbearers	Manufacturing	Career Cluster
537064	Packers and Packagers, Hand	Transportation, Distribution and Logistics	Career Cluster
537071	Gas Compressor and Gas Pumping Station Operators	Agriculture, Food and Natural Resources	Career Cluster
537072	Pump Operators, Except Wellhead Pumpers	Agriculture, Food and Natural Resources	Career Cluster
537073	Wellhead Pumpers	Agriculture, Food and Natural Resources	Career Cluster
537081	Refuse and Recyclable Material Collectors	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
537111	Shuttle Car Operators	Agriculture, Food and Natural Resources	Career Cluster
537121	Tank Car, Truck, and Ship Loaders	Transportation, Distribution and Logistics	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
111011	Chief Sustainability Officers	Green Economy Sectors	Career Cluster
111021	General and Operations Managers	Green Economy Sectors	State Wide
112011	Green Marketers	Green Economy Sectors	Career Cluster
112021	Marketing Managers	Green Economy Sectors	Career Cluster
113021	Computer and Information Systems Managers	Information Technology	Career Cluster
113031	Financial Managers, Branch or Department	Agriculture, Food and Natural Resources	Career Cluster
113051	Industrial Production Managers	Green Economy Sectors; Manufacturing	Career Cluster
113071	Transportation Managers	Green Economy Sectors; Transportation, Distribution and Logistics	State Wide
119011	Farm, Ranch, and Other Agricultural Managers	Agriculture, Food and Natural Resources	Career Cluster
119012	Farmers and Ranchers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
119021	Construction Managers	Green Economy Sectors	Career Cluster
119032	Education Administrators, Elementary and Secondary School	Other	State Wide
119041	Engineering Managers	Green Economy Sectors	Career Cluster
119111	Clinical Nurse Specialists	Health Science	Career Cluster
119121	Clinical Research Coordinators	Agriculture, Food and Natural Resources; Green Economy Sectors; Health Science	Career Cluster
119199	Supply Chain Managers	Green Economy Sectors; Transportation, Distribution and Logistics	Regional Demand
131021	Purchasing Agents and Buyers, Farm Products	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
131022	Wholesale and Retail Buyers, Except Farm Products	Green Economy Sectors	Career Cluster
131023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	Manufacturing	Career Cluster
131031	Claims Adjusters, Examiners, and Investigators	Other	State Wide
131041	Regulatory Affairs Specialists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
131073	Training and Development Specialists	Green Economy Sectors	Career Cluster
131081	Logisticians	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
131111	Management Analysts	Other	State Wide
131199	Customs Brokers	Green Economy Sectors; Transportation, Distribution and Logistics	State Wide
132011	Accountants and Auditors	Other	State Wide
132051	Financial Analysts	Green Economy Sectors	Career Cluster
132052	Personal Financial Advisors	Green Economy Sectors	Career Cluster
132099	Financial Quantitative Analysts	Green Economy Sectors	Career Cluster
151021	Computer Programmers	Information Technology	Career Cluster
151031	Computer Software Engineers, Applications	Information Technology	State Wide
151032	Computer Software Engineers, Systems Software	Green Economy Sectors; Information Technology	Career Cluster

## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
151041	Computer Support Specialists	Information Technology	State Wide
151051	Computer Systems Analysts	Health Science; Information Technology	State Wide
151061	Database Administrators	Information Technology	Career Cluster
151071	Network and Computer Systems Administrators	Information Technology	State Wide
151081	Network Systems and Data Communications Analysts	Information Technology	State Wide
151099	Computer Specialists, All Other	Green Economy Sectors; Information Technology	State Wide
152041	Clinical Data Managers	Health Science	Career Cluster
152091	Mathematical Technicians	Health Science	Career Cluster
171011	Architects, Except Landscape and Naval	Green Economy Sectors	Career Cluster
171012	Landscape Architects	Green Economy Sectors	Career Cluster
171021	Cartographers and Photogrammetrists	Agriculture, Food and Natural Resources	Career Cluster
172011	Aerospace Engineers	Green Economy Sectors	State Wide
172031	Biomedical Engineers	Health Science	Career Cluster
172041	Chemical Engineers	Green Economy Sectors	Career Cluster
172051	Civil Engineers	Green Economy Sectors	State Wide
172071	Electrical Engineers	Green Economy Sectors	Career Cluster
172072	Electronics Engineers, Except Computer	Green Economy Sectors	State Wide
172081	Environmental Engineers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
172111	Industrial Safety and Health Engineers	Green Economy Sectors	Career Cluster
172112	Industrial Engineers	Green Economy Sectors	Career Cluster
172141	Mechanical Engineers	Green Economy Sectors	State Wide
172161	Nuclear Engineers	Green Economy Sectors	Career Cluster
172199	Biochemical Engineers	Green Economy Sectors	Career Cluster
173011	Architectural Drafters	Green Economy Sectors	Career Cluster
173021	Aerospace Engineering and Operations Technicians	Transportation, Distribution and Logistics	Career Cluster
173023	Electronics Engineering Technicians	Green Economy Sectors	Career Cluster
173024	Robotics Technicians	Green Economy Sectors; Manufacturing	Career Cluster
173025	Environmental Engineering Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
173026	Industrial Engineering Technicians	Green Economy Sectors; Manufacturing	Career Cluster
173027	Mechanical Engineering Technicians	Green Economy Sectors; Manufacturing	Career Cluster
173029	Photonics Technicians	Green Economy Sectors	Career Cluster
191011	Animal Scientists	Agriculture, Food and Natural Resources	Career Cluster
191012	Food Scientists and Technologists	Agriculture, Food and Natural Resources	Career Cluster
191013	Soil and Plant Scientists	Agriculture, Food and Natural Resources	Career Cluster
191020	Biologists	Health Science	Career Cluster
191023	Zoologists and Wildlife Biologists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster



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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
191031	Soil and Water Conservationists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
191032	Foresters	Agriculture, Food and Natural Resources	Career Cluster
191041	Epidemiologists	Health Science	Career Cluster
191042	Medical Scientists, Except Epidemiologists	Health Science	Career Cluster
192021	Atmospheric and Space Scientists	Green Economy Sectors	Career Cluster
192031	Chemists	Green Economy Sectors	State Wide
192032	Materials Scientists	Green Economy Sectors	Career Cluster
192041	Environmental Scientists and Specialists, Including Health	Green Economy Sectors	Career Cluster
192042	Geoscientists, Except Hydrologists and Geographers	Green Economy Sectors	Career Cluster
192043	Hydrologists	Green Economy Sectors	Career Cluster
192099	Remote Sensing Scientists and Technologists	Green Economy Sectors	Career Cluster
193011	Environmental Economists	Green Economy Sectors	Career Cluster
193031	Clinical Psychologists	Health Science	Career Cluster
193039	Neuropsychologists and Clinical Neuropsychologists	Health Science	Career Cluster
193051	Urban and Regional Planners	Green Economy Sectors	Career Cluster
193099	Transportation Planners	Green Economy Sectors	Career Cluster
194011	Agricultural Technicians	Green Economy Sectors	Career Cluster
194031	Chemical Technicians	Green Economy Sectors	Career Cluster
194041	Geophysical Data Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
194051	Nuclear Equipment Operation Technicians	Green Economy Sectors	Career Cluster
194091	Environmental Science and Protection Technicians, Including Health	Agriculture, Food and Natural Resources	Career Cluster
194093	Forest and Conservation Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
194099	Precision Agriculture Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
211021	Child, Family, and School Social Workers	Other	Regional Demand
211023	Mental Health and Substance Abuse Social Workers	Health Science	Career Cluster
211091	Health Educators	Health Science	Career Cluster
231011	Lawyers	Other	Regional Demand
231022	Arbitrators, Mediators, and Conciliators	Green Economy Sectors	Career Cluster
251041	Agricultural Sciences Teachers, Postsecondary	Agriculture, Food and Natural Resources	Career Cluster
251199	Postsecondary Teachers, All Other	Other	Regional Demand
252021	Elementary School Teachers, Except Special Education	Other	State Wide
252022	Middle School Teachers, Except Special and Vocational Education	Other	State Wide
252031	Secondary School Teachers, Except Special and Vocational Education	Other	State Wide
252041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	Other	Regional Demand
259021	Farm and Home Management Advisors	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
271021	Commercial and Industrial Designers	Green Economy Sectors	Career Cluster
273022	Reporters and Correspondents	Green Economy Sectors	Career Cluster
273031	Public Relations Specialists	Green Economy Sectors	Career Cluster
291011	Chiropractors	Health Science	Career Cluster
291021	Dentists, General	Health Science	Career Cluster
291022	Oral and Maxillofacial Surgeons	Health Science	Career Cluster
291023	Orthodontists	Health Science	Career Cluster
291024	Prosthodontists	Health Science	Career Cluster
291031	Dietitians and Nutritionists	Health Science	Career Cluster
291041	Optometrists	Health Science	Career Cluster
291051	Pharmacists	Health Science	Career Cluster
291061	Anesthesiologists	Health Science	Career Cluster
291062	Family and General Practitioners	Health Science	Career Cluster
291063	Internists, General	Health Science	Career Cluster
291064	Obstetricians and Gynecologists	Health Science	Career Cluster
291065	Pediatricians, General	Health Science	Career Cluster
291066	Psychiatrists	Health Science	Career Cluster
291067	Surgeons	Health Science	Career Cluster
291069	Physicians and Surgeons, All Other	Health Science	Career Cluster
291071	Physician Assistants	Health Science	Career Cluster
291081	Podiatrists	Health Science	Career Cluster
291111	Registered Nurses	Health Science	Regional Demand
291121	Audiologists	Health Science	Career Cluster
291122	Occupational Therapists	Health Science	Career Cluster
291123	Physical Therapists	Health Science	Career Cluster
291124	Radiation Therapists	Health Science	Career Cluster
291125	Recreational Therapists	Health Science	Career Cluster
291126	Respiratory Therapists	Health Science	State Wide
291127	Speech-Language Pathologists	Health Science	Career Cluster
291131	Veterinarians	Agriculture, Food and Natural Resources	Career Cluster
291199	Health Diagnosing and Treating Practitioners, All Other	Health Science	Career Cluster
292011	Medical and Clinical Laboratory Technologists	Health Science	State Wide
292012	Medical and Clinical Laboratory Technicians	Health Science	Career Cluster
292021	Dental Hygienists	Health Science	State Wide
292031	Cardiovascular Technologists and Technicians	Health Science	Career Cluster
292032	Diagnostic Medical Sonographers	Health Science	Career Cluster
292033	Nuclear Medicine Technologists	Health Science	Career Cluster
292034	Radiologic Technologists and Technicians	Health Science	State Wide
292041	Emergency Medical Technicians and Paramedics	Law, Public Safety, Corrections and Security	State Wide
292051	Dietetic Technicians	Health Science	Career Cluster
292052	Pharmacy Technicians	Health Science	Career Cluster

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## Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
292053	Psychiatric Technicians	Health Science	Career Cluster
292054	Respiratory Therapy Technicians	Health Science	Career Cluster
292055	Surgical Technologists	Health Science	State Wide
292056	Veterinary Technologists and Technicians	Agriculture, Food and Natural Resources	Career Cluster
292061	Licensed Practical and Licensed Vocational Nurses	Health Science	Regional Demand
292071	Medical Records and Health Information Technicians	Health Science	Career Cluster
292081	Opticians, Dispensing	Health Science	Career Cluster
292091	Orthotists and Prosthetists	Health Science	Career Cluster
292099	Health Technologists and Technicians, All Other	Health Science	Career Cluster
299011	Occupational Health and Safety Specialists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
299012	Occupational Health and Safety Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
299091	Athletic Trainers	Health Science	Career Cluster
299099	Midwives	Health Science	Career Cluster
311011	Home Health Aides	Health Science	Career Cluster
311012	Nursing Aides, Orderlies, and Attendants	Health Science	Career Cluster
311013	Psychiatric Aides	Health Science	Career Cluster
312011	Occupational Therapist Assistants	Health Science	Career Cluster
312012	Occupational Therapist Aides	Health Science	Career Cluster
312021	Physical Therapist Assistants	Health Science	State Wide
312022	Physical Therapist Aides	Health Science	Career Cluster
319091	Dental Assistants	Health Science	Regional Demand
319092	Medical Assistants	Health Science	Career Cluster
319093	Medical Equipment Preparers	Health Science	Career Cluster
319094	Medical Transcriptionists	Health Science	Career Cluster
319095	Pharmacy Aides	Health Science	Career Cluster
319096	Veterinary Assistants and Laboratory Animal Caretakers	Agriculture, Food and Natural Resources	Career Cluster
319099	Healthcare Support Workers, All Other	Health Science	Career Cluster
333012	Correctional Officers and Jailers	Other	State Wide
333031	Fish and Game Wardens	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
333051	Police and Sheriff's Patrol Officers	Other	State Wide
371012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	Agriculture, Food and Natural Resources	Career Cluster
372021	Pest Control Workers	Agriculture, Food and Natural Resources	Career Cluster
373012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	Agriculture, Food and Natural Resources	Career Cluster
373013	Tree Trimmers and Pruners	Agriculture, Food and Natural Resources	Career Cluster
392021	Nonfarm Animal Caretakers	Agriculture, Food and Natural Resources	Career Cluster
396031	Flight Attendants	Transportation, Distribution and Logistics	Career Cluster
411011	First-Line Supervisors/Managers of Retail Sales Workers	Agriculture, Food and Natural Resources	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
412022	Parts Salespersons	Agriculture, Food and Natural Resources	Career Cluster
413021	Insurance Sales Agents	Other	Regional Demand
413031	Securities and Commodities Traders	Green Economy Sectors	Career Cluster
413099	Energy Brokers	Green Economy Sectors	Career Cluster
414011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	Green Economy Sectors	State Wide
414012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	Other	State Wide
431011	First-Line Supervisors/Managers of Office and Administrative Support Workers	Other	State Wide
433021	Billing and Posting Clerks and Machine Operators	Health Science	Career Cluster
434051	Patient Representatives	Green Economy Sectors	Career Cluster
435011	Cargo and Freight Agents	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
435032	Dispatchers, Except Police, Fire, and Ambulance	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
435061	Production, Planning, and Expediting Clerks	Green Economy Sectors; Manufacturing	Career Cluster
435071	Shipping, Receiving, and Traffic Clerks	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
435111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	Manufacturing	Career Cluster
436011	Executive Secretaries and Administrative Assistants	Other	State Wide
451011	First-Line Supervisors/Managers of Logging Workers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
451012	Farm Labor Contractors	Agriculture, Food and Natural Resources	Career Cluster
452011	Agricultural Inspectors	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
452021	Animal Breeders	Agriculture, Food and Natural Resources	Career Cluster
452041	Graders and Sorters, Agricultural Products	Agriculture, Food and Natural Resources	Career Cluster
452091	Agricultural Equipment Operators	Agriculture, Food and Natural Resources	Career Cluster
452092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	Agriculture, Food and Natural Resources	Career Cluster
452093	Farmworkers, Farm and Ranch Animals	Agriculture, Food and Natural Resources	Career Cluster
453011	Fishers and Related Fishing Workers	Agriculture, Food and Natural Resources	Career Cluster
453021	Hunters and Trappers	Agriculture, Food and Natural Resources	Career Cluster
454011	Forest and Conservation Workers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
454021	Fallers	Agriculture, Food and Natural Resources	Career Cluster
454022	Logging Equipment Operators	Agriculture, Food and Natural Resources	Career Cluster
454023	Log Graders and Scalers	Agriculture, Food and Natural Resources	Career Cluster
471011	Solar Energy Installation Managers	Green Economy Sectors; Manufacturing	Career Cluster
472011	Boilermakers	Other	Career Cluster
472031	Construction Carpenters	Green Economy Sectors	Regional Demand

## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
472051	Cement Masons and Concrete Finishers	Green Economy Sectors	Career Cluster
472061	Construction Laborers	Green Economy Sectors	Regional Demand
472073	Operating Engineers and Other Construction Equipment Operators	Green Economy Sectors	Career Cluster
472111	Electricians	Green Economy Sectors	State Wide
472131	Insulation Workers, Floor, Ceiling, and Wall	Green Economy Sectors	Career Cluster
472141	Painters, Construction and Maintenance	Other	Regional Demand
472152	Pipe Fitters and Steamfitters	Green Economy Sectors	State Wide
472181	Roofers	Green Economy Sectors	Career Cluster
472211	Sheet Metal Workers	Green Economy Sectors	Career Cluster
472221	Structural Iron and Steel Workers	Green Economy Sectors	Career Cluster
473012	Helpers--Carpenters	Green Economy Sectors	Career Cluster
474011	Construction and Building Inspectors	Green Economy Sectors	Career Cluster
474041	Hazardous Materials Removal Workers	Green Economy Sectors	Career Cluster
474061	Rail-Track Laying and Maintenance Equipment Operators	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
474099	Solar Photovoltaic Installers	Green Economy Sectors	Career Cluster
475011	Derrick Operators, Oil and Gas	Agriculture, Food and Natural Resources	Career Cluster
475012	Rotary Drill Operators, Oil and Gas	Agriculture, Food and Natural Resources	Career Cluster
475013	Service Unit Operators, Oil, Gas, and Mining	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
475031	Explosives Workers, Ordnance Handling Experts, and Blasters	Agriculture, Food and Natural Resources	Career Cluster
475041	Continuous Mining Machine Operators	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
475042	Mine Cutting and Channeling Machine Operators	Agriculture, Food and Natural Resources	Career Cluster
475051	Rock Splitters, Quarry	Agriculture, Food and Natural Resources	Career Cluster
475061	Roof Bolters, Mining	Agriculture, Food and Natural Resources	Career Cluster
475071	Roustabouts, Oil and Gas	Agriculture, Food and Natural Resources	Career Cluster
475081	Helpers--Extraction Workers	Agriculture, Food and Natural Resources	Career Cluster
491011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	Green Economy Sectors; Manufacturing	State Wide
492011	Computer, Automated Teller, and Office Machine Repairers	Manufacturing	Career Cluster
492021	Radio Mechanics	Manufacturing	Career Cluster
492022	Telecommunications Equipment Installers and Repairers, Except Line Installers	Manufacturing	Career Cluster
492091	Avionics Technicians	Transportation, Distribution and Logistics	Career Cluster
492092	Electric Motor, Power Tool, and Related Repairers	Manufacturing	Career Cluster
492093	Electrical and Electronics Installers and Repairers, Transportation Equipment	Transportation, Distribution and Logistics	Career Cluster
492094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	Green Economy Sectors; Manufacturing	State Wide
492096	Electronic Equipment Installers and Repairers, Motor Vehicles	Transportation, Distribution and Logistics	Career Cluster

## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
492097	Electronic Home Entertainment Equipment Installers and Repairers	Manufacturing	Career Cluster
492098	Security and Fire Alarm Systems Installers	Manufacturing	Career Cluster
493011	Aircraft Mechanics and Service Technicians	Transportation, Distribution and Logistics	Career Cluster
493021	Automotive Body and Related Repairers	Transportation, Distribution and Logistics	Career Cluster
493022	Automotive Glass Installers and Repairers	Transportation, Distribution and Logistics	Career Cluster
493023	Automotive Service Technicians and Mechanics	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
493031	Bus and Truck Mechanics and Diesel Engine Specialists	Transportation, Distribution and Logistics	Career Cluster
493041	Farm Equipment Mechanics	Agriculture, Food and Natural Resources	Career Cluster
493042	Mobile Heavy Equipment Mechanics, Except Engines	Transportation, Distribution and Logistics	Career Cluster
493043	Rail Car Repairers	Transportation, Distribution and Logistics	Career Cluster
493051	Motorboat Mechanics	Transportation, Distribution and Logistics	Career Cluster
493052	Motorcycle Mechanics	Transportation, Distribution and Logistics	Career Cluster
493053	Outdoor Power Equipment and Other Small Engine Mechanics	Manufacturing	Career Cluster
493091	Bicycle Repairers	Transportation, Distribution and Logistics	Career Cluster
493092	Recreational Vehicle Service Technicians	Transportation, Distribution and Logistics	Career Cluster
493093	Tire Repairers and Changers	Transportation, Distribution and Logistics	Career Cluster
499021	Heating and Air Conditioning Mechanics and Installers	Green Economy Sectors	Career Cluster
499041	Industrial Machinery Mechanics	Green Economy Sectors; Manufacturing	Career Cluster
499042	Maintenance and Repair Workers, General	Green Economy Sectors; Manufacturing	Career Cluster
499043	Maintenance Workers, Machinery	Manufacturing	Career Cluster
499044	Millwrights	Green Economy Sectors; Manufacturing	Career Cluster
499051	Electrical Power-Line Installers and Repairers	Green Economy Sectors	Career Cluster
499062	Medical Equipment Repairers	Manufacturing	Career Cluster
499063	Musical Instrument Repairers and Tuners	Manufacturing	Career Cluster
499064	Watch Repairers	Manufacturing	Career Cluster
499091	Coin, Vending, and Amusement Machine Servicers and Repairers	Manufacturing	Career Cluster
499092	Commercial Divers	Agriculture, Food and Natural Resources	Career Cluster
499093	Fabric Menders, Except Garment	Manufacturing	Career Cluster
499094	Locksmiths and Safe Repairers	Manufacturing	Career Cluster
499097	Signal and Track Switch Repairers	Transportation, Distribution and Logistics	Career Cluster
499098	Helpers--Installation, Maintenance, and Repair Workers	Green Economy Sectors	Career Cluster
499099	Geothermal Technicians	Green Economy Sectors	Career Cluster
511011	First-Line Supervisors/Managers of Production and Operating Workers	Green Economy Sectors; Manufacturing	Regional Demand
512011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512021	Coil Winders, Tapers, and Finishers	Manufacturing	Career Cluster
512022	Electrical and Electronic Equipment Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512023	Electromechanical Equipment Assemblers	Manufacturing	Career Cluster
512031	Engine and Other Machine Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512041	Structural Metal Fabricators and Fitters	Green Economy Sectors	Career Cluster
512091	Fiberglass Laminators and Fabricators	Manufacturing	Career Cluster



## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
512092	Team Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512093	Timing Device Assemblers, Adjusters, and Calibrators	Manufacturing	Career Cluster
513021	Butchers and Meat Cutters	Agriculture, Food and Natural Resources	Career Cluster
513022	Meat, Poultry, and Fish Cutters and Trimmers	Agriculture, Food and Natural Resources	Career Cluster
513023	Slaughterers and Meat Packers	Agriculture, Food and Natural Resources	Career Cluster
513091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	Agriculture, Food and Natural Resources	Career Cluster
513092	Food Batchmakers	Agriculture, Food and Natural Resources	Career Cluster
513093	Food Cooking Machine Operators and Tenders	Agriculture, Food and Natural Resources	Career Cluster
514011	Computer-Controlled Machine Tool Operators, Metal and Plastic	Green Economy Sectors; Manufacturing	Career Cluster
514012	Numerical Tool and Process Control Programmers	Manufacturing	Career Cluster
514021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	Green Economy Sectors; Manufacturing	Career Cluster
514032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Green Economy Sectors; Manufacturing	Career Cluster
514033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514041	Machinists	Green Economy Sectors	Regional Demand
514051	Metal-Refining Furnace Operators and Tenders	Manufacturing	Career Cluster
514052	Pourers and Casters, Metal	Manufacturing	Career Cluster
514061	Model Makers, Metal and Plastic	Manufacturing	Career Cluster
514062	Patternmakers, Metal and Plastic	Manufacturing	Career Cluster
514071	Foundry Mold and Coremakers	Manufacturing	Career Cluster
514072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514111	Tool and Die Makers	Manufacturing	Career Cluster
514121	Welders, Cutters, Solderers, and Brazers	Green Economy Sectors; Manufacturing	Regional Demand
514122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
514191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster

# Demand Occupation List

## Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
514192	Lay-Out Workers, Metal and Plastic	Manufacturing	Career Cluster
514193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514194	Tool Grinders, Filers, and Sharpeners	Manufacturing	Career Cluster
516031	Sewing Machine Operators	Manufacturing	Career Cluster
516041	Shoe and Leather Workers and Repairers	Manufacturing	Career Cluster
516042	Shoe Machine Operators and Tenders	Manufacturing	Career Cluster
516051	Sewers, Hand	Manufacturing	Career Cluster
516061	Textile Bleaching and Dyeing Machine Operators and Tenders	Manufacturing	Career Cluster
516062	Textile Cutting Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
516063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
516064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
516091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	Manufacturing	Career Cluster
516092	Fabric and Apparel Patternmakers	Manufacturing	Career Cluster
516093	Upholsterers	Manufacturing	Career Cluster
517011	Cabinetmakers and Bench Carpenters	Manufacturing	Career Cluster
517021	Furniture Finishers	Manufacturing	Career Cluster
517031	Model Makers, Wood	Manufacturing	Career Cluster
517032	Patternmakers, Wood	Manufacturing	Career Cluster
517041	Sawing Machine Setters, Operators, and Tenders, Wood	Agriculture, Food and Natural Resources	Career Cluster
517042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	Manufacturing	Career Cluster
518011	Nuclear Power Reactor Operators	Green Economy Sectors; Manufacturing	Career Cluster
518012	Power Distributors and Dispatchers	Green Economy Sectors; Manufacturing	Career Cluster
518013	Power Plant Operators	Green Economy Sectors; Manufacturing	Career Cluster
518021	Stationary Engineers and Boiler Operators	Green Economy Sectors	Career Cluster
518031	Water and Liquid Waste Treatment Plant and System Operators	Agriculture, Food and Natural Resources	Career Cluster
518091	Chemical Plant and System Operators	Green Economy Sectors; Manufacturing	Career Cluster
518092	Gas Plant Operators	Agriculture, Food and Natural Resources	Career Cluster
518093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	Agriculture, Food and Natural Resources	Career Cluster
518099	Biofuels Processing Technicians	Green Economy Sectors; Manufacturing	Career Cluster
519011	Chemical Equipment Operators and Tenders	Green Economy Sectors; Manufacturing	Career Cluster
519012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	Green Economy Sectors	Career Cluster
519021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519022	Grinding and Polishing Workers, Hand	Manufacturing	Career Cluster
519023	Mixing and Blending Machine Setters, Operators, and Tenders	Green Economy Sectors; Manufacturing	Career Cluster
519031	Cutters and Trimmers, Hand	Manufacturing	Career Cluster
519032	Cutting and Slicing Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster

# Demand Occupation List

## Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
519041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	Manufacturing	Career Cluster
519061	Inspectors, Testers, Sorters, Samplers, and Weighers	Green Economy Sectors; Manufacturing	Career Cluster
519071	Jewelers and Precious Stone and Metal Workers	Manufacturing	Career Cluster
519081	Dental Laboratory Technicians	Health Science	Career Cluster
519082	Medical Appliance Technicians	Manufacturing	Career Cluster
519083	Ophthalmic Laboratory Technicians	Health Science	Career Cluster
519111	Packaging and Filling Machine Operators and Tenders	Manufacturing	Career Cluster
519121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519122	Painters, Transportation Equipment	Manufacturing	Career Cluster
519123	Painting, Coating, and Decorating Workers	Manufacturing	Career Cluster
519131	Photographic Process Workers	Manufacturing	Career Cluster
519132	Photographic Processing Machine Operators	Manufacturing	Career Cluster
519141	Semiconductor Processors	Manufacturing	Career Cluster
519191	Cementing and Gluing Machine Operators and Tenders	Manufacturing	Career Cluster
519192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	Manufacturing	Career Cluster
519193	Cooling and Freezing Equipment Operators and Tenders	Manufacturing	Career Cluster
519194	Etchers and Engravers	Manufacturing	Career Cluster
519195	Molders, Shapers, and Casters, Except Metal and Plastic	Manufacturing	Career Cluster
519196	Paper Goods Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519197	Tire Builders	Manufacturing	Career Cluster
519198	Helpers--Production Workers	Manufacturing	Career Cluster
519199	Recycling and Reclamation Workers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
531011	Aircraft Cargo Handling Supervisors	Transportation, Distribution and Logistics	Career Cluster
531021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	Agriculture, Food and Natural Resources; Green Economy Sectors	State Wide
531031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	Transportation, Distribution and Logistics	Career Cluster
532011	Airline Pilots, Copilots, and Flight Engineers	Transportation, Distribution and Logistics	Career Cluster
532012	Commercial Pilots	Transportation, Distribution and Logistics	Career Cluster
532021	Air Traffic Controllers	Transportation, Distribution and Logistics	Career Cluster
532022	Airfield Operations Specialists	Transportation, Distribution and Logistics	Career Cluster
533011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	Transportation, Distribution and Logistics	Career Cluster
533021	Bus Drivers, Transit and Intercity	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
533022	Bus Drivers, School	Transportation, Distribution and Logistics	Career Cluster

**Demand Occupation List**  
**Career Cluster and Regional Demand**

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
533032	Truck Drivers, Heavy and Tractor-Trailer	Green Economy Sectors; Transportation, Distribution and Logistics	Regional Demand
533033	Truck Drivers, Light or Delivery Services	Transportation, Distribution and Logistics	Career Cluster
533041	Taxi Drivers and Chauffeurs	Transportation, Distribution and Logistics	Career Cluster
534011	Locomotive Engineers	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
534012	Locomotive Firers	Transportation, Distribution and Logistics	Career Cluster
534013	Rail Yard Engineers, Dinkey Operators, and Hostlers	Transportation, Distribution and Logistics	Career Cluster
534021	Railroad Brake, Signal, and Switch Operators	Transportation, Distribution and Logistics	Career Cluster
534031	Railroad Conductors and Yardmasters	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
534041	Subway and Streetcar Operators	Transportation, Distribution and Logistics	Career Cluster
535011	Sailors and Marine Oilers	Transportation, Distribution and Logistics	Career Cluster
535021	Captains, Mates, and Pilots of Water Vessels	Transportation, Distribution and Logistics	Career Cluster
535022	Motorboat Operators	Transportation, Distribution and Logistics	Career Cluster
535031	Ship Engineers	Transportation, Distribution and Logistics	Career Cluster
536011	Bridge and Lock Tenders	Transportation, Distribution and Logistics	Career Cluster
536041	Traffic Technicians	Transportation, Distribution and Logistics	Career Cluster
536051	Aviation Inspectors	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
537033	Loading Machine Operators, Underground Mining	Agriculture, Food and Natural Resources	Career Cluster
537051	Industrial Truck and Tractor Operators	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
537061	Cleaners of Vehicles and Equipment	Transportation, Distribution and Logistics	Career Cluster
537062	Laborers and Freight, Stock, and Material Movers, Hand	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
537063	Machine Feeders and Offbearers	Manufacturing	Career Cluster
537064	Packers and Packagers, Hand	Transportation, Distribution and Logistics	Career Cluster
537071	Gas Compressor and Gas Pumping Station Operators	Agriculture, Food and Natural Resources	Career Cluster
537072	Pump Operators, Except Wellhead Pumps	Agriculture, Food and Natural Resources	Career Cluster
537073	Wellhead Pumps	Agriculture, Food and Natural Resources	Career Cluster
537081	Refuse and Recyclable Material Collectors	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
537111	Shuttle Car Operators	Agriculture, Food and Natural Resources	Career Cluster
537121	Tank Car, Truck, and Ship Loaders	Transportation, Distribution and Logistics	Career Cluster

# Demand Occupation List

## Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
111011	Chief Sustainability Officers	Green Economy Sectors	Career Cluster
111021	General and Operations Managers	Green Economy Sectors	State Wide
112011	Green Marketers	Green Economy Sectors	Regional Demand
112021	Marketing Managers	Green Economy Sectors	Regional Demand
112022	Sales Managers	Other	Regional Demand
112031	Public Relations Managers	Other	Regional Demand
113011	Administrative Services Managers	Other	Regional Demand
113021	Computer and Information Systems Managers	Information Technology	Regional Demand
113031	Financial Managers, Branch or Department	Agriculture, Food and Natural Resources	Regional Demand
113041	Compensation and Benefits Managers	Other	Regional Demand
113042	Training and Development Managers	Other	Regional Demand
113049	Human Resources Managers, All Other	Other	Regional Demand
113051	Industrial Production Managers	Green Economy Sectors; Manufacturing	Regional Demand
113061	Purchasing Managers	Other	Regional Demand
113071	Transportation Managers	Green Economy Sectors; Transportation, Distribution and Logistics	State Wide
119011	Farm, Ranch, and Other Agricultural Managers	Agriculture, Food and Natural Resources	Career Cluster
119012	Farmers and Ranchers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
119021	Construction Managers	Green Economy Sectors	Regional Demand
119031	Education Administrators, Preschool and Child Care/Center Program	Other	Regional Demand
119032	Education Administrators, Elementary and Secondary School	Other	State Wide
119033	Education Administrators, Postsecondary	Other	Regional Demand
119039	Education Administrators, All Other	Other	Regional Demand
119041	Engineering Managers	Green Economy Sectors	Regional Demand
119051	Food Service Managers	Other	Regional Demand
119061	Funeral Directors	Other	Regional Demand
119081	Lodging Managers	Other	Regional Demand
119111	Clinical Nurse Specialists	Health Science	Regional Demand
119121	Clinical Research Coordinators	Agriculture, Food and Natural Resources; Green Economy Sectors; Health Science	Career Cluster
119141	Property, Real Estate, and Community Association Managers	Other	Regional Demand
119151	Social and Community Service Managers	Other	Regional Demand
119199	Supply Chain Managers	Green Economy Sectors; Transportation, Distribution and Logistics	Regional Demand
131011	Agents and Business Managers of Artists, Performers, and Athletes	Other	Regional Demand
131021	Purchasing Agents and Buyers, Farm Products	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
131022	Wholesale and Retail Buyers, Except Farm Products	Green Economy Sectors	Regional Demand
131023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	Manufacturing	Regional Demand
131031	Claims Adjusters, Examiners, and Investigators	Other	State Wide

## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
131041	Regulatory Affairs Specialists	Agriculture, Food and Natural Resources; Green Economy Sectors	Regional Demand
131051	Cost Estimators	Other	Regional Demand
131071	Employment, Recruitment, and Placement Specialists	Other	Regional Demand
131072	Compensation, Benefits, and Job Analysis Specialists	Other	Regional Demand
131073	Training and Development Specialists	Green Economy Sectors	Regional Demand
131081	Logisticians	Green Economy Sectors; Transportation, Distribution and Logistics	Regional Demand
131111	Management Analysts	Other	State Wide
131121	Meeting and Convention Planners	Other	Regional Demand
131199	Customs Brokers	Green Economy Sectors; Transportation, Distribution and Logistics	State Wide
132011	Accountants and Auditors	Other	State Wide
132021	Appraisers and Assessors of Real Estate	Other	Regional Demand
132031	Budget Analysts	Other	Regional Demand
132041	Credit Analysts	Other	Regional Demand
132051	Financial Analysts	Green Economy Sectors	Regional Demand
132052	Personal Financial Advisors	Green Economy Sectors	Regional Demand
132053	Insurance Underwriters	Other	Regional Demand
132072	Loan Officers	Other	Regional Demand
132081	Tax Examiners, Collectors, and Revenue Agents	Other	Regional Demand
132099	Financial Quantitative Analysts	Green Economy Sectors	Regional Demand
151011	Computer and Information Scientists, Research	Other	Regional Demand
151021	Computer Programmers	Information Technology	Regional Demand
151031	Computer Software Engineers, Applications	Information Technology	State Wide
151032	Computer Software Engineers, Systems Software	Green Economy Sectors; Information Technology	Regional Demand
151041	Computer Support Specialists	Information Technology	State Wide
151051	Computer Systems Analysts	Health Science; Information Technology	State Wide
151061	Database Administrators	Information Technology	Regional Demand
151071	Network and Computer Systems Administrators	Information Technology	State Wide
151081	Network Systems and Data Communications Analysts	Information Technology	State Wide
151099	Computer Specialists, All Other	Green Economy Sectors; Information Technology	State Wide
152011	Actuaries	Other	Regional Demand
152031	Operations Research Analysts	Other	Regional Demand
152041	Clinical Data Managers	Health Science	Career Cluster
152091	Mathematical Technicians	Health Science	Career Cluster
152099	Mathematical Scientists, All Other	Other	Regional Demand
171011	Architects, Except Landscape and Naval	Green Economy Sectors	Regional Demand
171012	Landscape Architects	Green Economy Sectors	Regional Demand



## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
171021	Cartographers and Photogrammetrists	Agriculture, Food and Natural Resources	Career Cluster
171022	Surveyors	Other	Regional Demand
172011	Aerospace Engineers	Green Economy Sectors	State Wide
172031	Biomedical Engineers	Health Science	Career Cluster
172041	Chemical Engineers	Green Economy Sectors	Career Cluster
172051	Civil Engineers	Green Economy Sectors	State Wide
172061	Computer Hardware Engineers	Other	Regional Demand
172071	Electrical Engineers	Green Economy Sectors	Regional Demand
172072	Electronics Engineers, Except Computer	Green Economy Sectors	State Wide
172081	Environmental Engineers	Agriculture, Food and Natural Resources; Green Economy Sectors	Regional Demand
172111	Industrial Safety and Health Engineers	Green Economy Sectors	Regional Demand
172112	Industrial Engineers	Green Economy Sectors	Regional Demand
172141	Mechanical Engineers	Green Economy Sectors	State Wide
172161	Nuclear Engineers	Green Economy Sectors	Career Cluster
172199	Biochemical Engineers	Green Economy Sectors	Regional Demand
173011	Architectural Drafters	Green Economy Sectors	Regional Demand
173013	Mechanical Drafters	Other	Regional Demand
173019	Drafters, All Other	Other	Regional Demand
173021	Aerospace Engineering and Operations Technicians	Transportation, Distribution and Logistics	Career Cluster
173022	Civil Engineering Technicians	Other	Regional Demand
173023	Electronics Engineering Technicians	Green Economy Sectors	Regional Demand
173024	Robotics Technicians	Green Economy Sectors; Manufacturing	Career Cluster
173025	Environmental Engineering Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
173026	Industrial Engineering Technicians	Green Economy Sectors; Manufacturing	Regional Demand
173027	Mechanical Engineering Technicians	Green Economy Sectors; Manufacturing	Regional Demand
173029	Photonics Technicians	Green Economy Sectors	Regional Demand
173031	Surveying and Mapping Technicians	Other	Regional Demand
191011	Animal Scientists	Agriculture, Food and Natural Resources	Career Cluster
191012	Food Scientists and Technologists	Agriculture, Food and Natural Resources	Career Cluster
191013	Soil and Plant Scientists	Agriculture, Food and Natural Resources	Career Cluster
191020	Biologists	Health Science	Career Cluster
191023	Zoologists and Wildlife Biologists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
191031	Soil and Water Conservationists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
191032	Foresters	Agriculture, Food and Natural Resources	Career Cluster
191041	Epidemiologists	Health Science	Career Cluster
191042	Medical Scientists, Except Epidemiologists	Health Science	Regional Demand
192012	Physicists	Other	Regional Demand

# Demand Occupation List

## Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
192021	Atmospheric and Space Scientists	Green Economy Sectors	Career Cluster
192031	Chemists	Green Economy Sectors	State Wide
192032	Materials Scientists	Green Economy Sectors	Career Cluster
192041	Environmental Scientists and Specialists, Including Health	Green Economy Sectors	Regional Demand
192042	Geoscientists, Except Hydrologists and Geographers	Green Economy Sectors	Career Cluster
192043	Hydrologists	Green Economy Sectors	Career Cluster
192099	Remote Sensing Scientists and Technologists	Green Economy Sectors	Career Cluster
193011	Environmental Economists	Green Economy Sectors	Career Cluster
193021	Market Research Analysts	Other	Regional Demand
193031	Clinical Psychologists	Health Science	Regional Demand
193039	Neuropsychologists and Clinical Neuropsychologists	Health Science	Career Cluster
193051	Urban and Regional Planners	Green Economy Sectors	Career Cluster
193099	Transportation Planners	Green Economy Sectors	Career Cluster
194011	Agricultural Technicians	Green Economy Sectors	Career Cluster
194031	Chemical Technicians	Green Economy Sectors	Career Cluster
194041	Geophysical Data Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
194051	Nuclear Equipment Operation Technicians	Green Economy Sectors	Career Cluster
194061	Social Science Research Assistants	Other	Regional Demand
194091	Environmental Science and Protection Technicians, Including Health	Agriculture, Food and Natural Resources	Regional Demand
194092	Forensic Science Technicians	Other	Regional Demand
194093	Forest and Conservation Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
194099	Precision Agriculture Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Regional Demand
211012	Educational, Vocational, and School Counselors	Other	Regional Demand
211014	Mental Health Counselors	Other	Regional Demand
211021	Child, Family, and School Social Workers	Other	Regional Demand
211022	Medical and Public Health Social Workers	Other	Regional Demand
211023	Mental Health and Substance Abuse Social Workers	Health Science	Regional Demand
211029	Social Workers, All Other	Other	Regional Demand
211091	Health Educators	Health Science	Regional Demand
211092	Probation Officers and Correctional Treatment Specialists	Other	Regional Demand
231011	Lawyers	Other	Regional Demand
231022	Arbitrators, Mediators, and Conciliators	Green Economy Sectors	Career Cluster
232011	Paralegals and Legal Assistants	Other	Regional Demand
232092	Law Clerks	Other	Regional Demand
232099	Legal Support Workers, All Other	Other	Regional Demand
251011	Business Teachers, Postsecondary	Other	Regional Demand
251021	Computer Science Teachers, Postsecondary	Other	Regional Demand
251022	Mathematical Science Teachers, Postsecondary	Other	Regional Demand

## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
251032	Engineering Teachers, Postsecondary	Other	Regional Demand
251041	Agricultural Sciences Teachers, Postsecondary	Agriculture, Food and Natural Resources	Career Cluster
251042	Biological Science Teachers, Postsecondary	Other	Regional Demand
251052	Chemistry Teachers, Postsecondary	Other	Regional Demand
251066	Psychology Teachers, Postsecondary	Other	Regional Demand
251067	Sociology Teachers, Postsecondary	Other	Regional Demand
251071	Health Specialties Teachers, Postsecondary	Other	Regional Demand
251072	Nursing Instructors and Teachers, Postsecondary	Other	Regional Demand
251122	Communications Teachers, Postsecondary	Other	Regional Demand
251123	English Language and Literature Teachers, Postsecondary	Other	Regional Demand
251124	Foreign Language and Literature Teachers, Postsecondary	Other	Regional Demand
251125	History Teachers, Postsecondary	Other	Regional Demand
251126	Philosophy and Religion Teachers, Postsecondary	Other	Regional Demand
251194	Vocational Education Teachers, Postsecondary	Other	Regional Demand
252012	Kindergarten Teachers, Except Special Education	Other	Regional Demand
252021	Elementary School Teachers, Except Special Education	Other	State Wide
252022	Middle School Teachers, Except Special and Vocational Education	Other	State Wide
252031	Secondary School Teachers, Except Special and Vocational Education	Other	State Wide
252032	Vocational Education Teachers, Secondary School	Other	Regional Demand
252041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	Other	Regional Demand
252042	Special Education Teachers, Middle School	Other	Regional Demand
252043	Special Education Teachers, Secondary School	Other	Regional Demand
254021	Librarians	Other	Regional Demand
259021	Farm and Home Management Advisors	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
271011	Art Directors	Other	Regional Demand
271014	Multi-Media Artists and Animators	Other	Regional Demand
271021	Commercial and Industrial Designers	Green Economy Sectors	Career Cluster
271024	Graphic Designers	Other	Regional Demand
271025	Interior Designers	Other	Regional Demand
271029	Designers, All Other	Other	Regional Demand
272012	Producers and Directors	Other	Regional Demand
273022	Reporters and Correspondents	Green Economy Sectors	Career Cluster
273031	Public Relations Specialists	Green Economy Sectors	Regional Demand
273041	Editors	Other	Regional Demand
273042	Technical Writers	Other	Regional Demand
273043	Writers and Authors	Other	Regional Demand
273099	Media and Communication Workers, All Other	Other	Regional Demand
274099	Media and Communication Equipment Workers, All Other	Other	Regional Demand
291011	Chiropractors	Health Science	Regional Demand

## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
291021	Dentists, General	Health Science	Career Cluster
291022	Oral and Maxillofacial Surgeons	Health Science	Career Cluster
291023	Orthodontists	Health Science	Career Cluster
291024	Prosthodontists	Health Science	Career Cluster
291031	Dietitians and Nutritionists	Health Science	Regional Demand
291041	Optometrists	Health Science	Regional Demand
291051	Pharmacists	Health Science	Regional Demand
291061	Anesthesiologists	Health Science	Career Cluster
291062	Family and General Practitioners	Health Science	Regional Demand
291063	Internists, General	Health Science	Regional Demand
291064	Obstetricians and Gynecologists	Health Science	Career Cluster
291065	Pediatricians, General	Health Science	Regional Demand
291066	Psychiatrists	Health Science	Career Cluster
291067	Surgeons	Health Science	Career Cluster
291069	Physicians and Surgeons, All Other	Health Science	Career Cluster
291071	Physician Assistants	Health Science	Regional Demand
291081	Podiatrists	Health Science	Career Cluster
291111	Registered Nurses	Health Science	Regional Demand
291121	Audiologists	Health Science	Career Cluster
291122	Occupational Therapists	Health Science	Regional Demand
291123	Physical Therapists	Health Science	Regional Demand
291124	Radiation Therapists	Health Science	Career Cluster
291125	Recreational Therapists	Health Science	Career Cluster
291126	Respiratory Therapists	Health Science	State Wide
291127	Speech-Language Pathologists	Health Science	Regional Demand
291131	Veterinarians	Agriculture, Food and Natural Resources	Regional Demand
291199	Health Diagnosing and Treating Practitioners, All Other	Health Science	Regional Demand
292011	Medical and Clinical Laboratory Technologists	Health Science	State Wide
292012	Medical and Clinical Laboratory Technicians	Health Science	Regional Demand
292021	Dental Hygienists	Health Science	State Wide
292031	Cardiovascular Technologists and Technicians	Health Science	Regional Demand
292032	Diagnostic Medical Sonographers	Health Science	Regional Demand
292033	Nuclear Medicine Technologists	Health Science	Career Cluster
292034	Radiologic Technologists and Technicians	Health Science	State Wide
292041	Emergency Medical Technicians and Paramedics	Law, Public Safety, Corrections and Security	State Wide
292051	Dietetic Technicians	Health Science	Career Cluster
292052	Pharmacy Technicians	Health Science	Career Cluster
292053	Psychiatric Technicians	Health Science	Regional Demand
292054	Respiratory Therapy Technicians	Health Science	Regional Demand
292055	Surgical Technologists	Health Science	State Wide
292056	Veterinary Technologists and Technicians	Agriculture, Food and Natural Resources	Career Cluster

# Demand Occupation List

## Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
292061	Licensed Practical and Licensed Vocational Nurses	Health Science	Regional Demand
292071	Medical Records and Health Information Technicians	Health Science	Career Cluster
292081	Opticians, Dispensing	Health Science	Career Cluster
292091	Orthotists and Prosthetists	Health Science	Career Cluster
292099	Health Technologists and Technicians, All Other	Health Science	Career Cluster
299011	Occupational Health and Safety Specialists	Agriculture, Food and Natural Resources; Green Economy Sectors	Regional Demand
299012	Occupational Health and Safety Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
299091	Athletic Trainers	Health Science	Regional Demand
299099	Midwives	Health Science	Regional Demand
311011	Home Health Aides	Health Science	Career Cluster
311012	Nursing Aides, Orderlies, and Attendants	Health Science	Career Cluster
311013	Psychiatric Aides	Health Science	Career Cluster
312011	Occupational Therapist Assistants	Health Science	Regional Demand
312012	Occupational Therapist Aides	Health Science	Career Cluster
312021	Physical Therapist Assistants	Health Science	State Wide
312022	Physical Therapist Aides	Health Science	Career Cluster
319091	Dental Assistants	Health Science	Career Cluster
319092	Medical Assistants	Health Science	Career Cluster
319093	Medical Equipment Preparers	Health Science	Career Cluster
319094	Medical Transcriptionists	Health Science	Career Cluster
319095	Pharmacy Aides	Health Science	Career Cluster
319096	Veterinary Assistants and Laboratory Animal Caretakers	Agriculture, Food and Natural Resources	Career Cluster
319099	Healthcare Support Workers, All Other	Health Science	Career Cluster
331012	First-Line Supervisors/Managers of Police and Detectives	Other	Regional Demand
331021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	Other	Regional Demand
331099	First-Line Supervisors/Managers, Protective Service Workers, All Other	Other	Regional Demand
332011	Fire Fighters	Other	Regional Demand
333011	Bailiffs	Other	Regional Demand
333012	Correctional Officers and Jailers	Other	State Wide
333021	Detectives and Criminal Investigators	Other	Regional Demand
333031	Fish and Game Wardens	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
333051	Police and Sheriff's Patrol Officers	Other	State Wide
371012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	Agriculture, Food and Natural Resources	Regional Demand
372019	Building Cleaning Workers, All Other	Other	Regional Demand
372021	Pest Control Workers	Agriculture, Food and Natural Resources	Career Cluster
373012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	Agriculture, Food and Natural Resources	Career Cluster

# Demand Occupation List

## Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
373013	Tree Trimmers and Pruners	Agriculture, Food and Natural Resources	Career Cluster
392021	Nonfarm Animal Caretakers	Agriculture, Food and Natural Resources	Career Cluster
396031	Flight Attendants	Transportation, Distribution and Logistics	Regional Demand
411011	First-Line Supervisors/Managers of Retail Sales Workers	Agriculture, Food and Natural Resources	Career Cluster
411012	First-Line Supervisors/Managers of Non-Retail Sales Workers	Other	Regional Demand
412022	Parts Salespersons	Agriculture, Food and Natural Resources	Career Cluster
413021	Insurance Sales Agents	Other	Regional Demand
413031	Securities and Commodities Traders	Green Economy Sectors	Regional Demand
413099	Energy Brokers	Green Economy Sectors	Regional Demand
414011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	Green Economy Sectors	State Wide
414012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	Other	State Wide
431011	First-Line Supervisors/Managers of Office and Administrative Support Workers	Other	State Wide
433021	Billing and Posting Clerks and Machine Operators	Health Science	Career Cluster
433051	Payroll and Timekeeping Clerks	Other	Regional Demand
434011	Brokerage Clerks	Other	Regional Demand
434031	Court, Municipal, and License Clerks	Other	Regional Demand
434051	Patient Representatives	Green Economy Sectors	Career Cluster
434161	Human Resources Assistants, Except Payroll and Timekeeping	Other	Regional Demand
435011	Cargo and Freight Agents	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
435031	Police, Fire, and Ambulance Dispatchers	Other	Regional Demand
435032	Dispatchers, Except Police, Fire, and Ambulance	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
435051	Postal Service Clerks	Other	Regional Demand
435052	Postal Service Mail Carriers	Other	Regional Demand
435061	Production, Planning, and Expediting Clerks	Green Economy Sectors; Manufacturing	Regional Demand
435071	Shipping, Receiving, and Traffic Clerks	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
435111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	Manufacturing	Career Cluster
436011	Executive Secretaries and Administrative Assistants	Other	State Wide
436012	Legal Secretaries	Other	Regional Demand
439022	Word Processors and Typists	Other	Regional Demand
451011	First-Line Supervisors/Managers of Logging Workers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
451012	Farm Labor Contractors	Agriculture, Food and Natural Resources	Career Cluster
452011	Agricultural Inspectors	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
452021	Animal Breeders	Agriculture, Food and Natural Resources	Career Cluster



# Demand Occupation List

## Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
452041	Graders and Sorters, Agricultural Products	Agriculture, Food and Natural Resources	Career Cluster
452091	Agricultural Equipment Operators	Agriculture, Food and Natural Resources	Career Cluster
452092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	Agriculture, Food and Natural Resources	Career Cluster
452093	Farmworkers, Farm and Ranch Animals	Agriculture, Food and Natural Resources	Career Cluster
453011	Fishers and Related Fishing Workers	Agriculture, Food and Natural Resources	Career Cluster
453021	Hunters and Trappers	Agriculture, Food and Natural Resources	Career Cluster
454011	Forest and Conservation Workers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
454021	Fallers	Agriculture, Food and Natural Resources	Career Cluster
454022	Logging Equipment Operators	Agriculture, Food and Natural Resources	Career Cluster
454023	Log Graders and Scalers	Agriculture, Food and Natural Resources	Career Cluster
471011	Solar Energy Installation Managers	Green Economy Sectors; Manufacturing	Regional Demand
472011	Boilermakers	Other	Regional Demand
472021	Brickmasons and Blockmasons	Other	Regional Demand
472031	Construction Carpenters	Green Economy Sectors	Regional Demand
472041	Carpet Installers	Other	Regional Demand
472044	Tile and Marble Setters	Other	Regional Demand
472051	Cement Masons and Concrete Finishers	Green Economy Sectors	Regional Demand
472061	Construction Laborers	Green Economy Sectors	Career Cluster
472071	Paving, Surfacing, and Tamping Equipment Operators	Other	Regional Demand
472073	Operating Engineers and Other Construction Equipment Operators	Green Economy Sectors	Regional Demand
472081	Drywall and Ceiling Tile Installers	Other	Regional Demand
472082	Tapers	Other	Regional Demand
472111	Electricians	Green Economy Sectors	State Wide
472121	Glaziers	Other	Regional Demand
472131	Insulation Workers, Floor, Ceiling, and Wall	Green Economy Sectors	Regional Demand
472132	Insulation Workers, Mechanical	Other	Regional Demand
472141	Painters, Construction and Maintenance	Other	Regional Demand
472152	Pipe Fitters and Steamfitters	Green Economy Sectors	State Wide
472171	Reinforcing Iron and Rebar Workers	Other	Regional Demand
472181	Roofers	Green Economy Sectors	Regional Demand
472211	Sheet Metal Workers	Green Economy Sectors	Regional Demand
472221	Structural Iron and Steel Workers	Green Economy Sectors	Regional Demand
473011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	Other	Regional Demand
473012	Helpers--Carpenters	Green Economy Sectors	Career Cluster
474011	Construction and Building Inspectors	Green Economy Sectors	Regional Demand
474041	Hazardous Materials Removal Workers	Green Economy Sectors	Career Cluster
474051	Highway Maintenance Workers	Other	Regional Demand
474061	Rail-Track Laying and Maintenance Equipment Operators	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster

## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
474099	Solar Photovoltaic Installers	Green Economy Sectors	Regional Demand
475011	Derrick Operators, Oil and Gas	Agriculture, Food and Natural Resources	Career Cluster
475012	Rotary Drill Operators, Oil and Gas	Agriculture, Food and Natural Resources	Career Cluster
475013	Service Unit Operators, Oil, Gas, and Mining	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
475031	Explosives Workers, Ordnance Handling Experts, and Blasters	Agriculture, Food and Natural Resources	Career Cluster
475041	Continuous Mining Machine Operators	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
475042	Mine Cutting and Channeling Machine Operators	Agriculture, Food and Natural Resources	Career Cluster
475051	Rock Splitters, Quarry	Agriculture, Food and Natural Resources	Career Cluster
475061	Roof Bolters, Mining	Agriculture, Food and Natural Resources	Career Cluster
475071	Roustabouts, Oil and Gas	Agriculture, Food and Natural Resources	Career Cluster
475081	Helpers--Extraction Workers	Agriculture, Food and Natural Resources	Career Cluster
491011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	Green Economy Sectors; Manufacturing	State Wide
492011	Computer, Automated Teller, and Office Machine Repairers	Manufacturing	Regional Demand
492021	Radio Mechanics	Manufacturing	Career Cluster
492022	Telecommunications Equipment Installers and Repairers, Except Line Installers	Manufacturing	Regional Demand
492091	Avionics Technicians	Transportation, Distribution and Logistics	Career Cluster
492092	Electric Motor, Power Tool, and Related Repairers	Manufacturing	Regional Demand
492093	Electrical and Electronics Installers and Repairers, Transportation Equipment	Transportation, Distribution and Logistics	Career Cluster
492094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	Green Economy Sectors; Manufacturing	State Wide
492096	Electronic Equipment Installers and Repairers, Motor Vehicles	Transportation, Distribution and Logistics	Career Cluster
492097	Electronic Home Entertainment Equipment Installers and Repairers	Manufacturing	Regional Demand
492098	Security and Fire Alarm Systems Installers	Manufacturing	Regional Demand
493011	Aircraft Mechanics and Service Technicians	Transportation, Distribution and Logistics	Regional Demand
493021	Automotive Body and Related Repairers	Transportation, Distribution and Logistics	Regional Demand
493022	Automotive Glass Installers and Repairers	Transportation, Distribution and Logistics	Career Cluster
493023	Automotive Service Technicians and Mechanics	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
493031	Bus and Truck Mechanics and Diesel Engine Specialists	Transportation, Distribution and Logistics	Regional Demand
493041	Farm Equipment Mechanics	Agriculture, Food and Natural Resources	Career Cluster
493042	Mobile Heavy Equipment Mechanics, Except Engines	Transportation, Distribution and Logistics	Regional Demand
493043	Rail Car Repairers	Transportation, Distribution and Logistics	Regional Demand
493051	Motorboat Mechanics	Transportation, Distribution and Logistics	Career Cluster
493052	Motorcycle Mechanics	Transportation, Distribution and Logistics	Career Cluster
493053	Outdoor Power Equipment and Other Small Engine Mechanics	Manufacturing	Career Cluster
493091	Bicycle Repairers	Transportation, Distribution and Logistics	Career Cluster

# Demand Occupation List

## Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
493092	Recreational Vehicle Service Technicians	Transportation, Distribution and Logistics	Career Cluster
493093	Tire Repairers and Changers	Transportation, Distribution and Logistics	Career Cluster
499021	Heating and Air Conditioning Mechanics and Installers	Green Economy Sectors	Regional Demand
499031	Home Appliance Repairers	Other	Regional Demand
499041	Industrial Machinery Mechanics	Green Economy Sectors; Manufacturing	Regional Demand
499042	Maintenance and Repair Workers, General	Green Economy Sectors; Manufacturing	Career Cluster
499043	Maintenance Workers, Machinery	Manufacturing	Regional Demand
499044	Millwrights	Green Economy Sectors; Manufacturing	Regional Demand
499051	Electrical Power-Line Installers and Repairers	Green Economy Sectors	Regional Demand
499052	Telecommunications Line Installers and Repairers	Other	Regional Demand
499062	Medical Equipment Repairers	Manufacturing	Regional Demand
499063	Musical Instrument Repairers and Tuners	Manufacturing	Career Cluster
499064	Watch Repairers	Manufacturing	Career Cluster
499091	Coin, Vending, and Amusement Machine Servicers and Repairers	Manufacturing	Career Cluster
499092	Commercial Divers	Agriculture, Food and Natural Resources	Career Cluster
499093	Fabric Menders, Except Garment	Manufacturing	Career Cluster
499094	Locksmiths and Safe Repairers	Manufacturing	Career Cluster
499097	Signal and Track Switch Repairers	Transportation, Distribution and Logistics	Career Cluster
499098	Helpers--Installation, Maintenance, and Repair Workers	Green Economy Sectors	Career Cluster
499099	Geothermal Technicians	Green Economy Sectors	Career Cluster
511011	First-Line Supervisors/Managers of Production and Operating Workers	Green Economy Sectors; Manufacturing	Regional Demand
512011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512021	Coil Winders, Tapers, and Finishers	Manufacturing	Career Cluster
512022	Electrical and Electronic Equipment Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512023	Electromechanical Equipment Assemblers	Manufacturing	Career Cluster
512031	Engine and Other Machine Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512041	Structural Metal Fabricators and Fitters	Green Economy Sectors	Regional Demand
512091	Fiberglass Laminators and Fabricators	Manufacturing	Career Cluster
512092	Team Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512093	Timing Device Assemblers, Adjusters, and Calibrators	Manufacturing	Career Cluster
513021	Butchers and Meat Cutters	Agriculture, Food and Natural Resources	Career Cluster
513022	Meat, Poultry, and Fish Cutters and Trimmers	Agriculture, Food and Natural Resources	Career Cluster
513023	Slaughterers and Meat Packers	Agriculture, Food and Natural Resources	Career Cluster
513091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	Agriculture, Food and Natural Resources	Career Cluster
513092	Food Batchmakers	Agriculture, Food and Natural Resources	Career Cluster
513093	Food Cooking Machine Operators and Tenders	Agriculture, Food and Natural Resources	Career Cluster
514011	Computer-Controlled Machine Tool Operators, Metal and Plastic	Green Economy Sectors; Manufacturing	Career Cluster
514012	Numerical Tool and Process Control Programmers	Manufacturing	Career Cluster
514021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster

## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
514022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	Green Economy Sectors; Manufacturing	Career Cluster
514032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Green Economy Sectors; Manufacturing	Career Cluster
514033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514041	Machinists	Green Economy Sectors	Career Cluster
514051	Metal-Refining Furnace Operators and Tenders	Manufacturing	Career Cluster
514052	Pourers and Casters, Metal	Manufacturing	Career Cluster
514061	Model Makers, Metal and Plastic	Manufacturing	Career Cluster
514062	Patternmakers, Metal and Plastic	Manufacturing	Career Cluster
514071	Foundry Mold and Coremakers	Manufacturing	Career Cluster
514072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514111	Tool and Die Makers	Manufacturing	Career Cluster
514121	Welders, Cutters, Solderers, and Brazers	Green Economy Sectors; Manufacturing	Career Cluster
514122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
514191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514192	Lay-Out Workers, Metal and Plastic	Manufacturing	Career Cluster
514193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514194	Tool Grinders, Filers, and Sharpeners	Manufacturing	Career Cluster
516031	Sewing Machine Operators	Manufacturing	Career Cluster
516041	Shoe and Leather Workers and Repairers	Manufacturing	Career Cluster
516042	Shoe Machine Operators and Tenders	Manufacturing	Career Cluster
516051	Sewers, Hand	Manufacturing	Career Cluster
516061	Textile Bleaching and Dyeing Machine Operators and Tenders	Manufacturing	Career Cluster
516062	Textile Cutting Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
516063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
516064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster

## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
516091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	Manufacturing	Career Cluster
516092	Fabric and Apparel Patternmakers	Manufacturing	Career Cluster
516093	Upholsterers	Manufacturing	Career Cluster
517011	Cabinetmakers and Bench Carpenters	Manufacturing	Career Cluster
517021	Furniture Finishers	Manufacturing	Career Cluster
517031	Model Makers, Wood	Manufacturing	Career Cluster
517032	Patternmakers, Wood	Manufacturing	Career Cluster
517041	Sawing Machine Setters, Operators, and Tenders, Wood	Agriculture, Food and Natural Resources	Career Cluster
517042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	Manufacturing	Career Cluster
518011	Nuclear Power Reactor Operators	Green Economy Sectors; Manufacturing	Career Cluster
518012	Power Distributors and Dispatchers	Green Economy Sectors; Manufacturing	Career Cluster
518013	Power Plant Operators	Green Economy Sectors; Manufacturing	Career Cluster
518021	Stationary Engineers and Boiler Operators	Green Economy Sectors	Career Cluster
518031	Water and Liquid Waste Treatment Plant and System Operators	Agriculture, Food and Natural Resources	Regional Demand
518091	Chemical Plant and System Operators	Green Economy Sectors; Manufacturing	Career Cluster
518092	Gas Plant Operators	Agriculture, Food and Natural Resources	Career Cluster
518093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	Agriculture, Food and Natural Resources	Career Cluster
518099	Biofuels Processing Technicians	Green Economy Sectors; Manufacturing	Career Cluster
519011	Chemical Equipment Operators and Tenders	Green Economy Sectors; Manufacturing	Career Cluster
519012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	Green Economy Sectors	Career Cluster
519021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519022	Grinding and Polishing Workers, Hand	Manufacturing	Career Cluster
519023	Mixing and Blending Machine Setters, Operators, and Tenders	Green Economy Sectors; Manufacturing	Career Cluster
519031	Cutters and Trimmers, Hand	Manufacturing	Career Cluster
519032	Cutting and Slicing Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	Manufacturing	Career Cluster
519061	Inspectors, Testers, Sorters, Samplers, and Weighers	Green Economy Sectors; Manufacturing	Career Cluster
519071	Jewelers and Precious Stone and Metal Workers	Manufacturing	Career Cluster
519081	Dental Laboratory Technicians	Health Science	Career Cluster
519082	Medical Appliance Technicians	Manufacturing	Career Cluster
519083	Ophthalmic Laboratory Technicians	Health Science	Career Cluster
519111	Packaging and Filling Machine Operators and Tenders	Manufacturing	Career Cluster
519121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519122	Painters, Transportation Equipment	Manufacturing	Career Cluster
519123	Painting, Coating, and Decorating Workers	Manufacturing	Career Cluster

## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
519131	Photographic Process Workers	Manufacturing	Career Cluster
519132	Photographic Processing Machine Operators	Manufacturing	Career Cluster
519141	Semiconductor Processors	Manufacturing	Career Cluster
519191	Cementing and Gluing Machine Operators and Tenders	Manufacturing	Career Cluster
519192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	Manufacturing	Career Cluster
519193	Cooling and Freezing Equipment Operators and Tenders	Manufacturing	Career Cluster
519194	Etchers and Engravers	Manufacturing	Career Cluster
519195	Molders, Shapers, and Casters, Except Metal and Plastic	Manufacturing	Career Cluster
519196	Paper Goods Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519197	Tire Builders	Manufacturing	Career Cluster
519198	Helpers--Production Workers	Manufacturing	Career Cluster
519199	Recycling and Reclamation Workers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
531011	Aircraft Cargo Handling Supervisors	Transportation, Distribution and Logistics	Career Cluster
531021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	Agriculture, Food and Natural Resources; Green Economy Sectors	State Wide
531031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	Transportation, Distribution and Logistics	Regional Demand
532011	Airline Pilots, Copilots, and Flight Engineers	Transportation, Distribution and Logistics	Career Cluster
532012	Commercial Pilots	Transportation, Distribution and Logistics	Career Cluster
532021	Air Traffic Controllers	Transportation, Distribution and Logistics	Career Cluster
532022	Airfield Operations Specialists	Transportation, Distribution and Logistics	Career Cluster
533011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	Transportation, Distribution and Logistics	Career Cluster
533021	Bus Drivers, Transit and Intercity	Green Economy Sectors; Transportation, Distribution and Logistics	Regional Demand
533022	Bus Drivers, School	Transportation, Distribution and Logistics	Career Cluster
533032	Truck Drivers, Heavy and Tractor-Trailer	Green Economy Sectors; Transportation, Distribution and Logistics	Regional Demand
533033	Truck Drivers, Light or Delivery Services	Transportation, Distribution and Logistics	Career Cluster
533041	Taxi Drivers and Chauffeurs	Transportation, Distribution and Logistics	Career Cluster
534011	Locomotive Engineers	Green Economy Sectors; Transportation, Distribution and Logistics	Regional Demand
534012	Locomotive Firers	Transportation, Distribution and Logistics	Career Cluster
534013	Rail Yard Engineers, Dinkey Operators, and Hostlers	Transportation, Distribution and Logistics	Career Cluster
534021	Railroad Brake, Signal, and Switch Operators	Transportation, Distribution and Logistics	Career Cluster
534031	Railroad Conductors and Yardmasters	Green Economy Sectors; Transportation, Distribution and Logistics	Regional Demand
534041	Subway and Streetcar Operators	Transportation, Distribution and Logistics	Career Cluster
535011	Sailors and Marine Oilers	Transportation, Distribution and Logistics	Career Cluster



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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
535021	Captains, Mates, and Pilots of Water Vessels	Transportation, Distribution and Logistics	Career Cluster
535022	Motorboat Operators	Transportation, Distribution and Logistics	Career Cluster
535031	Ship Engineers	Transportation, Distribution and Logistics	Career Cluster
536011	Bridge and Lock Tenders	Transportation, Distribution and Logistics	Career Cluster
536041	Traffic Technicians	Transportation, Distribution and Logistics	Career Cluster
536051	Aviation Inspectors	Green Economy Sectors; Transportation, Distribution and Logistics	Regional Demand
536099	Transportation Workers, All Other	Other	Regional Demand
537032	Excavating and Loading Machine and Dragline Operators	Other	Regional Demand
537033	Loading Machine Operators, Underground Mining	Agriculture, Food and Natural Resources	Career Cluster
537051	Industrial Truck and Tractor Operators	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
537061	Cleaners of Vehicles and Equipment	Transportation, Distribution and Logistics	Career Cluster
537062	Laborers and Freight, Stock, and Material Movers, Hand	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
537063	Machine Feeders and Offbearers	Manufacturing	Career Cluster
537064	Packers and Packagers, Hand	Transportation, Distribution and Logistics	Career Cluster
537071	Gas Compressor and Gas Pumping Station Operators	Agriculture, Food and Natural Resources	Career Cluster
537072	Pump Operators, Except Wellhead Pumpers	Agriculture, Food and Natural Resources	Career Cluster
537073	Wellhead Pumpers	Agriculture, Food and Natural Resources	Career Cluster
537081	Refuse and Recyclable Material Collectors	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
537111	Shuttle Car Operators	Agriculture, Food and Natural Resources	Career Cluster
537121	Tank Car, Truck, and Ship Loaders	Transportation, Distribution and Logistics	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
111011	Chief Sustainability Officers	Green Economy Sectors	Career Cluster
111021	General and Operations Managers	Green Economy Sectors	State Wide
112011	Green Marketers	Green Economy Sectors	Career Cluster
112021	Marketing Managers	Green Economy Sectors	Career Cluster
113021	Computer and Information Systems Managers	Information Technology	Career Cluster
113031	Financial Managers, Branch or Department	Agriculture, Food and Natural Resources	Career Cluster
113051	Industrial Production Managers	Green Economy Sectors; Manufacturing	Career Cluster
113071	Transportation Managers	Green Economy Sectors; Transportation, Distribution and Logistics	State Wide
119011	Farm, Ranch, and Other Agricultural Managers	Agriculture, Food and Natural Resources	Career Cluster
119012	Farmers and Ranchers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
119021	Construction Managers	Green Economy Sectors	Career Cluster
119032	Education Administrators, Elementary and Secondary School	Other	State Wide
119041	Engineering Managers	Green Economy Sectors	Career Cluster
119111	Clinical Nurse Specialists	Health Science	Career Cluster
119121	Clinical Research Coordinators	Agriculture, Food and Natural Resources; Green Economy Sectors; Health Science	Career Cluster
119199	Supply Chain Managers	Green Economy Sectors; Transportation, Distribution and Logistics	Regional Demand
131021	Purchasing Agents and Buyers, Farm Products	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
131022	Wholesale and Retail Buyers, Except Farm Products	Green Economy Sectors	Career Cluster
131023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	Manufacturing	Career Cluster
131031	Claims Adjusters, Examiners, and Investigators	Other	State Wide
131041	Regulatory Affairs Specialists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
131073	Training and Development Specialists	Green Economy Sectors	Career Cluster
131081	Logisticians	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
131111	Management Analysts	Other	State Wide
131199	Customs Brokers	Green Economy Sectors; Transportation, Distribution and Logistics	State Wide
132011	Accountants and Auditors	Other	State Wide
132051	Financial Analysts	Green Economy Sectors	Career Cluster
132052	Personal Financial Advisors	Green Economy Sectors	Career Cluster
132099	Financial Quantitative Analysts	Green Economy Sectors	Career Cluster
151021	Computer Programmers	Information Technology	Career Cluster
151031	Computer Software Engineers, Applications	Information Technology	State Wide
151032	Computer Software Engineers, Systems Software	Green Economy Sectors; Information Technology	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
151041	Computer Support Specialists	Information Technology	State Wide
151051	Computer Systems Analysts	Health Science; Information Technology	State Wide
151061	Database Administrators	Information Technology	Career Cluster
151071	Network and Computer Systems Administrators	Information Technology	State Wide
151081	Network Systems and Data Communications Analysts	Information Technology	State Wide
151099	Computer Specialists, All Other	Green Economy Sectors; Information Technology	State Wide
152041	Clinical Data Managers	Health Science	Career Cluster
152091	Mathematical Technicians	Health Science	Career Cluster
171011	Architects, Except Landscape and Naval	Green Economy Sectors	Career Cluster
171012	Landscape Architects	Green Economy Sectors	Career Cluster
171021	Cartographers and Photogrammetrists	Agriculture, Food and Natural Resources	Career Cluster
172011	Aerospace Engineers	Green Economy Sectors	State Wide
172031	Biomedical Engineers	Health Science	Career Cluster
172041	Chemical Engineers	Green Economy Sectors	Career Cluster
172051	Civil Engineers	Green Economy Sectors	State Wide
172071	Electrical Engineers	Green Economy Sectors	Career Cluster
172072	Electronics Engineers, Except Computer	Green Economy Sectors	State Wide
172081	Environmental Engineers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
172111	Industrial Safety and Health Engineers	Green Economy Sectors	Career Cluster
172112	Industrial Engineers	Green Economy Sectors	Career Cluster
172141	Mechanical Engineers	Green Economy Sectors	State Wide
172161	Nuclear Engineers	Green Economy Sectors	Career Cluster
172199	Biochemical Engineers	Green Economy Sectors	Career Cluster
173011	Architectural Drafters	Green Economy Sectors	Career Cluster
173021	Aerospace Engineering and Operations Technicians	Transportation, Distribution and Logistics	Career Cluster
173023	Electronics Engineering Technicians	Green Economy Sectors	Career Cluster
173024	Robotics Technicians	Green Economy Sectors; Manufacturing	Career Cluster
173025	Environmental Engineering Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
173026	Industrial Engineering Technicians	Green Economy Sectors; Manufacturing	Career Cluster
173027	Mechanical Engineering Technicians	Green Economy Sectors; Manufacturing	Career Cluster
173029	Photonics Technicians	Green Economy Sectors	Career Cluster
191011	Animal Scientists	Agriculture, Food and Natural Resources	Career Cluster
191012	Food Scientists and Technologists	Agriculture, Food and Natural Resources	Career Cluster
191013	Soil and Plant Scientists	Agriculture, Food and Natural Resources	Career Cluster
191020	Biologists	Health Science	Career Cluster
191023	Zoologists and Wildlife Biologists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
191031	Soil and Water Conservationists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
191032	Foresters	Agriculture, Food and Natural Resources	Career Cluster
191041	Epidemiologists	Health Science	Career Cluster
191042	Medical Scientists, Except Epidemiologists	Health Science	Career Cluster
192021	Atmospheric and Space Scientists	Green Economy Sectors	Career Cluster
192031	Chemists	Green Economy Sectors	State Wide
192032	Materials Scientists	Green Economy Sectors	Career Cluster
192041	Environmental Scientists and Specialists, Including Health	Green Economy Sectors	Career Cluster
192042	Geoscientists, Except Hydrologists and Geographers	Green Economy Sectors	Career Cluster
192043	Hydrologists	Green Economy Sectors	Career Cluster
192099	Remote Sensing Scientists and Technologists	Green Economy Sectors	Career Cluster
193011	Environmental Economists	Green Economy Sectors	Career Cluster
193031	Clinical Psychologists	Health Science	Career Cluster
193039	Neuropsychologists and Clinical Neuropsychologists	Health Science	Career Cluster
193051	Urban and Regional Planners	Green Economy Sectors	Career Cluster
193099	Transportation Planners	Green Economy Sectors	Career Cluster
194011	Agricultural Technicians	Green Economy Sectors	Career Cluster
194031	Chemical Technicians	Green Economy Sectors	Career Cluster
194041	Geophysical Data Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
194051	Nuclear Equipment Operation Technicians	Green Economy Sectors	Career Cluster
194091	Environmental Science and Protection Technicians, Including Health	Agriculture, Food and Natural Resources	Career Cluster
194093	Forest and Conservation Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
194099	Precision Agriculture Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
211023	Mental Health and Substance Abuse Social Workers	Health Science	Career Cluster
211091	Health Educators	Health Science	Career Cluster
231022	Arbitrators, Mediators, and Conciliators	Green Economy Sectors	Career Cluster
251041	Agricultural Sciences Teachers, Postsecondary	Agriculture, Food and Natural Resources	Career Cluster
252021	Elementary School Teachers, Except Special Education	Other	State Wide
252022	Middle School Teachers, Except Special and Vocational Education	Other	State Wide
252031	Secondary School Teachers, Except Special and Vocational Education	Other	State Wide
259021	Farm and Home Management Advisors	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
271021	Commercial and Industrial Designers	Green Economy Sectors	Career Cluster
273022	Reporters and Correspondents	Green Economy Sectors	Career Cluster
273031	Public Relations Specialists	Green Economy Sectors	Career Cluster
291011	Chiropractors	Health Science	Career Cluster
291021	Dentists, General	Health Science	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
291022	Oral and Maxillofacial Surgeons	Health Science	Career Cluster
291023	Orthodontists	Health Science	Career Cluster
291024	Prosthodontists	Health Science	Career Cluster
291031	Dietitians and Nutritionists	Health Science	Career Cluster
291041	Optometrists	Health Science	Career Cluster
291051	Pharmacists	Health Science	Career Cluster
291061	Anesthesiologists	Health Science	Career Cluster
291062	Family and General Practitioners	Health Science	Career Cluster
291063	Internists, General	Health Science	Career Cluster
291064	Obstetricians and Gynecologists	Health Science	Career Cluster
291065	Pediatricians, General	Health Science	Career Cluster
291066	Psychiatrists	Health Science	Career Cluster
291067	Surgeons	Health Science	Career Cluster
291069	Physicians and Surgeons, All Other	Health Science	Career Cluster
291071	Physician Assistants	Health Science	Career Cluster
291081	Podiatrists	Health Science	Career Cluster
291111	Registered Nurses	Health Science	Regional Demand
291121	Audiologists	Health Science	Career Cluster
291122	Occupational Therapists	Health Science	Career Cluster
291123	Physical Therapists	Health Science	Career Cluster
291124	Radiation Therapists	Health Science	Career Cluster
291125	Recreational Therapists	Health Science	Career Cluster
291126	Respiratory Therapists	Health Science	State Wide
291127	Speech-Language Pathologists	Health Science	Career Cluster
291131	Veterinarians	Agriculture, Food and Natural Resources	Career Cluster
291199	Health Diagnosing and Treating Practitioners, All Other	Health Science	Career Cluster
292011	Medical and Clinical Laboratory Technologists	Health Science	State Wide
292012	Medical and Clinical Laboratory Technicians	Health Science	Career Cluster
292021	Dental Hygienists	Health Science	State Wide
292031	Cardiovascular Technologists and Technicians	Health Science	Career Cluster
292032	Diagnostic Medical Sonographers	Health Science	Career Cluster
292033	Nuclear Medicine Technologists	Health Science	Career Cluster
292034	Radiologic Technologists and Technicians	Health Science	State Wide
292041	Emergency Medical Technicians and Paramedics	Law, Public Safety, Corrections and Security	State Wide
292051	Dietetic Technicians	Health Science	Career Cluster
292052	Pharmacy Technicians	Health Science	Career Cluster
292053	Psychiatric Technicians	Health Science	Career Cluster
292054	Respiratory Therapy Technicians	Health Science	Career Cluster
292055	Surgical Technologists	Health Science	State Wide
292056	Veterinary Technologists and Technicians	Agriculture, Food and Natural Resources	Career Cluster
292061	Licensed Practical and Licensed Vocational Nurses	Health Science	Regional Demand

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
292071	Medical Records and Health Information Technicians	Health Science	Career Cluster
292081	Opticians, Dispensing	Health Science	Career Cluster
292091	Orthotists and Prosthetists	Health Science	Career Cluster
292099	Health Technologists and Technicians, All Other	Health Science	Career Cluster
299011	Occupational Health and Safety Specialists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
299012	Occupational Health and Safety Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
299091	Athletic Trainers	Health Science	Career Cluster
299099	Midwives	Health Science	Career Cluster
311011	Home Health Aides	Health Science	Career Cluster
311012	Nursing Aides, Orderlies, and Attendants	Health Science	Career Cluster
311013	Psychiatric Aides	Health Science	Career Cluster
312011	Occupational Therapist Assistants	Health Science	Career Cluster
312012	Occupational Therapist Aides	Health Science	Career Cluster
312021	Physical Therapist Assistants	Health Science	State Wide
312022	Physical Therapist Aides	Health Science	Career Cluster
319091	Dental Assistants	Health Science	Career Cluster
319092	Medical Assistants	Health Science	Career Cluster
319093	Medical Equipment Preparers	Health Science	Career Cluster
319094	Medical Transcriptionists	Health Science	Career Cluster
319095	Pharmacy Aides	Health Science	Career Cluster
319096	Veterinary Assistants and Laboratory Animal Caretakers	Agriculture, Food and Natural Resources	Career Cluster
319099	Healthcare Support Workers, All Other	Health Science	Career Cluster
333012	Correctional Officers and Jailers	Other	State Wide
333031	Fish and Game Wardens	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
333051	Police and Sheriff's Patrol Officers	Other	State Wide
371012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	Agriculture, Food and Natural Resources	Career Cluster
372021	Pest Control Workers	Agriculture, Food and Natural Resources	Career Cluster
373012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	Agriculture, Food and Natural Resources	Career Cluster
373013	Tree Trimmers and Pruners	Agriculture, Food and Natural Resources	Career Cluster
392021	Nonfarm Animal Caretakers	Agriculture, Food and Natural Resources	Career Cluster
396031	Flight Attendants	Transportation, Distribution and Logistics	Career Cluster
411011	First-Line Supervisors/Managers of Retail Sales Workers	Agriculture, Food and Natural Resources	Regional Demand
412022	Parts Salespersons	Agriculture, Food and Natural Resources	Career Cluster
413031	Securities and Commodities Traders	Green Economy Sectors	Career Cluster
413099	Energy Brokers	Green Economy Sectors	Regional Demand
414011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	Green Economy Sectors	State Wide



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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
414012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	Other	State Wide
431011	First-Line Supervisors/Managers of Office and Administrative Support Workers	Other	State Wide
433011	Bill and Account Collectors	Other	Regional Demand
433021	Billing and Posting Clerks and Machine Operators	Health Science	Career Cluster
433031	Bookkeeping, Accounting, and Auditing Clerks	Other	Regional Demand
434051	Patient Representatives	Green Economy Sectors	Career Cluster
435011	Cargo and Freight Agents	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
435032	Dispatchers, Except Police, Fire, and Ambulance	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
435061	Production, Planning, and Expediting Clerks	Green Economy Sectors; Manufacturing	Career Cluster
435071	Shipping, Receiving, and Traffic Clerks	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
435111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	Manufacturing	Career Cluster
436011	Executive Secretaries and Administrative Assistants	Other	State Wide
436014	Secretaries, Except Legal, Medical, and Executive	Other	Regional Demand
451011	First-Line Supervisors/Managers of Logging Workers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
451012	Farm Labor Contractors	Agriculture, Food and Natural Resources	Career Cluster
452011	Agricultural Inspectors	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
452021	Animal Breeders	Agriculture, Food and Natural Resources	Career Cluster
452041	Graders and Sorters, Agricultural Products	Agriculture, Food and Natural Resources	Career Cluster
452091	Agricultural Equipment Operators	Agriculture, Food and Natural Resources	Career Cluster
452092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	Agriculture, Food and Natural Resources	Career Cluster
452093	Farmworkers, Farm and Ranch Animals	Agriculture, Food and Natural Resources	Career Cluster
453011	Fishers and Related Fishing Workers	Agriculture, Food and Natural Resources	Career Cluster
453021	Hunters and Trappers	Agriculture, Food and Natural Resources	Career Cluster
454011	Forest and Conservation Workers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
454021	Fallers	Agriculture, Food and Natural Resources	Career Cluster
454022	Logging Equipment Operators	Agriculture, Food and Natural Resources	Career Cluster
454023	Log Graders and Scalers	Agriculture, Food and Natural Resources	Career Cluster
471011	Solar Energy Installation Managers	Green Economy Sectors; Manufacturing	Career Cluster
472011	Boilermakers	Other	Career Cluster
472031	Construction Carpenters	Green Economy Sectors	Regional Demand
472051	Cement Masons and Concrete Finishers	Green Economy Sectors	Career Cluster
472061	Construction Laborers	Green Economy Sectors	Regional Demand
472073	Operating Engineers and Other Construction Equipment Operators	Green Economy Sectors	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
472111	Electricians	Green Economy Sectors	State Wide
472131	Insulation Workers, Floor, Ceiling, and Wall	Green Economy Sectors	Career Cluster
472152	Pipe Fitters and Steamfitters	Green Economy Sectors	State Wide
472181	Roofers	Green Economy Sectors	Career Cluster
472211	Sheet Metal Workers	Green Economy Sectors	Career Cluster
472221	Structural Iron and Steel Workers	Green Economy Sectors	Career Cluster
473012	Helpers--Carpenters	Green Economy Sectors	Career Cluster
474011	Construction and Building Inspectors	Green Economy Sectors	Career Cluster
474041	Hazardous Materials Removal Workers	Green Economy Sectors	Career Cluster
474061	Rail-Track Laying and Maintenance Equipment Operators	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
474099	Solar Photovoltaic Installers	Green Economy Sectors	Career Cluster
475011	Derrick Operators, Oil and Gas	Agriculture, Food and Natural Resources	Career Cluster
475012	Rotary Drill Operators, Oil and Gas	Agriculture, Food and Natural Resources	Career Cluster
475013	Service Unit Operators, Oil, Gas, and Mining	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
475031	Explosives Workers, Ordnance Handling Experts, and Blasters	Agriculture, Food and Natural Resources	Career Cluster
475041	Continuous Mining Machine Operators	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
475042	Mine Cutting and Channeling Machine Operators	Agriculture, Food and Natural Resources	Career Cluster
475051	Rock Splitters, Quarry	Agriculture, Food and Natural Resources	Career Cluster
475061	Roof Bolters, Mining	Agriculture, Food and Natural Resources	Career Cluster
475071	Roustabouts, Oil and Gas	Agriculture, Food and Natural Resources	Career Cluster
475081	Helpers--Extraction Workers	Agriculture, Food and Natural Resources	Career Cluster
491011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	Green Economy Sectors; Manufacturing	State Wide
492011	Computer, Automated Teller, and Office Machine Repairers	Manufacturing	Career Cluster
492021	Radio Mechanics	Manufacturing	Career Cluster
492022	Telecommunications Equipment Installers and Repairers, Except Line Installers	Manufacturing	Career Cluster
492091	Avionics Technicians	Transportation, Distribution and Logistics	Career Cluster
492092	Electric Motor, Power Tool, and Related Repairers	Manufacturing	Career Cluster
492093	Electrical and Electronics Installers and Repairers, Transportation Equipment	Transportation, Distribution and Logistics	Career Cluster
492094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	Green Economy Sectors; Manufacturing	State Wide
492096	Electronic Equipment Installers and Repairers, Motor Vehicles	Transportation, Distribution and Logistics	Career Cluster
492097	Electronic Home Entertainment Equipment Installers and Repairers	Manufacturing	Career Cluster
492098	Security and Fire Alarm Systems Installers	Manufacturing	Career Cluster
493011	Aircraft Mechanics and Service Technicians	Transportation, Distribution and Logistics	Career Cluster
493021	Automotive Body and Related Repairers	Transportation, Distribution and Logistics	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
493022	Automotive Glass Installers and Repairers	Transportation, Distribution and Logistics	Career Cluster
493023	Automotive Service Technicians and Mechanics	Green Economy Sectors; Transportation, Distribution and Logistics	Regional Demand
493031	Bus and Truck Mechanics and Diesel Engine Specialists	Transportation, Distribution and Logistics	Career Cluster
493041	Farm Equipment Mechanics	Agriculture, Food and Natural Resources	Career Cluster
493042	Mobile Heavy Equipment Mechanics, Except Engines	Transportation, Distribution and Logistics	Career Cluster
493043	Rail Car Repairers	Transportation, Distribution and Logistics	Career Cluster
493051	Motorboat Mechanics	Transportation, Distribution and Logistics	Career Cluster
493052	Motorcycle Mechanics	Transportation, Distribution and Logistics	Career Cluster
493053	Outdoor Power Equipment and Other Small Engine Mechanics	Manufacturing	Career Cluster
493091	Bicycle Repairers	Transportation, Distribution and Logistics	Career Cluster
493092	Recreational Vehicle Service Technicians	Transportation, Distribution and Logistics	Career Cluster
493093	Tire Repairers and Changers	Transportation, Distribution and Logistics	Career Cluster
499021	Heating and Air Conditioning Mechanics and Installers	Green Economy Sectors	Career Cluster
499041	Industrial Machinery Mechanics	Green Economy Sectors; Manufacturing	Career Cluster
499042	Maintenance and Repair Workers, General	Green Economy Sectors; Manufacturing	Career Cluster
499043	Maintenance Workers, Machinery	Manufacturing	Career Cluster
499044	Millwrights	Green Economy Sectors; Manufacturing	Career Cluster
499051	Electrical Power-Line Installers and Repairers	Green Economy Sectors	Career Cluster
499062	Medical Equipment Repairers	Manufacturing	Career Cluster
499063	Musical Instrument Repairers and Tuners	Manufacturing	Career Cluster
499064	Watch Repairers	Manufacturing	Career Cluster
499091	Coin, Vending, and Amusement Machine Servicers and Repairers	Manufacturing	Career Cluster
499092	Commercial Divers	Agriculture, Food and Natural Resources	Career Cluster
499093	Fabric Menders, Except Garment	Manufacturing	Career Cluster
499094	Locksmiths and Safe Repairers	Manufacturing	Career Cluster
499097	Signal and Track Switch Repairers	Transportation, Distribution and Logistics	Career Cluster
499098	Helpers--Installation, Maintenance, and Repair Workers	Green Economy Sectors	Career Cluster
499099	Geothermal Technicians	Green Economy Sectors	Career Cluster
511011	First-Line Supervisors/Managers of Production and Operating Workers	Green Economy Sectors; Manufacturing	Career Cluster
512011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512021	Coil Winders, Tapers, and Finishers	Manufacturing	Career Cluster
512022	Electrical and Electronic Equipment Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512023	Electromechanical Equipment Assemblers	Manufacturing	Career Cluster
512031	Engine and Other Machine Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512041	Structural Metal Fabricators and Fitters	Green Economy Sectors	Career Cluster
512091	Fiberglass Laminators and Fabricators	Manufacturing	Career Cluster
512092	Team Assemblers	Green Economy Sectors; Manufacturing	Regional Demand
512093	Timing Device Assemblers, Adjusters, and Calibrators	Manufacturing	Career Cluster
513021	Butchers and Meat Cutters	Agriculture, Food and Natural Resources	Career Cluster
513022	Meat, Poultry, and Fish Cutters and Trimmers	Agriculture, Food and Natural Resources	Career Cluster

## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
513023	Slaughterers and Meat Packers	Agriculture, Food and Natural Resources	Career Cluster
513091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	Agriculture, Food and Natural Resources	Career Cluster
513092	Food Batchmakers	Agriculture, Food and Natural Resources	Career Cluster
513093	Food Cooking Machine Operators and Tenders	Agriculture, Food and Natural Resources	Career Cluster
514011	Computer-Controlled Machine Tool Operators, Metal and Plastic	Green Economy Sectors; Manufacturing	Career Cluster
514012	Numerical Tool and Process Control Programmers	Manufacturing	Career Cluster
514021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	Green Economy Sectors; Manufacturing	Career Cluster
514032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Green Economy Sectors; Manufacturing	Career Cluster
514033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514041	Machinists	Green Economy Sectors	Career Cluster
514051	Metal-Refining Furnace Operators and Tenders	Manufacturing	Career Cluster
514052	Pourers and Casters, Metal	Manufacturing	Career Cluster
514061	Model Makers, Metal and Plastic	Manufacturing	Career Cluster
514062	Patternmakers, Metal and Plastic	Manufacturing	Career Cluster
514071	Foundry Mold and Coremakers	Manufacturing	Career Cluster
514072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514111	Tool and Die Makers	Manufacturing	Career Cluster
514121	Welders, Cutters, Solderers, and Brazers	Green Economy Sectors; Manufacturing	Regional Demand
514122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
514191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514192	Lay-Out Workers, Metal and Plastic	Manufacturing	Career Cluster
514193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514194	Tool Grinders, Filers, and Sharpeners	Manufacturing	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
516031	Sewing Machine Operators	Manufacturing	Career Cluster
516041	Shoe and Leather Workers and Repairers	Manufacturing	Career Cluster
516042	Shoe Machine Operators and Tenders	Manufacturing	Career Cluster
516051	Sewers, Hand	Manufacturing	Career Cluster
516061	Textile Bleaching and Dyeing Machine Operators and Tenders	Manufacturing	Career Cluster
516062	Textile Cutting Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
516063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
516064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
516091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	Manufacturing	Career Cluster
516092	Fabric and Apparel Patternmakers	Manufacturing	Career Cluster
516093	Upholsterers	Manufacturing	Career Cluster
517011	Cabinetmakers and Bench Carpenters	Manufacturing	Career Cluster
517021	Furniture Finishers	Manufacturing	Career Cluster
517031	Model Makers, Wood	Manufacturing	Career Cluster
517032	Patternmakers, Wood	Manufacturing	Career Cluster
517041	Sawing Machine Setters, Operators, and Tenders, Wood	Agriculture, Food and Natural Resources	Career Cluster
517042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	Manufacturing	Career Cluster
518011	Nuclear Power Reactor Operators	Green Economy Sectors; Manufacturing	Career Cluster
518012	Power Distributors and Dispatchers	Green Economy Sectors; Manufacturing	Career Cluster
518013	Power Plant Operators	Green Economy Sectors; Manufacturing	Career Cluster
518021	Stationary Engineers and Boiler Operators	Green Economy Sectors	Career Cluster
518031	Water and Liquid Waste Treatment Plant and System Operators	Agriculture, Food and Natural Resources	Career Cluster
518091	Chemical Plant and System Operators	Green Economy Sectors; Manufacturing	Career Cluster
518092	Gas Plant Operators	Agriculture, Food and Natural Resources	Career Cluster
518093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	Agriculture, Food and Natural Resources	Career Cluster
518099	Biofuels Processing Technicians	Green Economy Sectors; Manufacturing	Career Cluster
519011	Chemical Equipment Operators and Tenders	Green Economy Sectors; Manufacturing	Career Cluster
519012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	Green Economy Sectors	Career Cluster
519021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519022	Grinding and Polishing Workers, Hand	Manufacturing	Career Cluster
519023	Mixing and Blending Machine Setters, Operators, and Tenders	Green Economy Sectors; Manufacturing	Career Cluster
519031	Cutters and Trimmers, Hand	Manufacturing	Career Cluster
519032	Cutting and Slicing Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	Manufacturing	Career Cluster
519061	Inspectors, Testers, Sorters, Samplers, and Weighers	Green Economy Sectors; Manufacturing	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
519071	Jewelers and Precious Stone and Metal Workers	Manufacturing	Career Cluster
519081	Dental Laboratory Technicians	Health Science	Career Cluster
519082	Medical Appliance Technicians	Manufacturing	Career Cluster
519083	Ophthalmic Laboratory Technicians	Health Science	Career Cluster
519111	Packaging and Filling Machine Operators and Tenders	Manufacturing	Career Cluster
519121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519122	Painters, Transportation Equipment	Manufacturing	Career Cluster
519123	Painting, Coating, and Decorating Workers	Manufacturing	Career Cluster
519131	Photographic Process Workers	Manufacturing	Career Cluster
519132	Photographic Processing Machine Operators	Manufacturing	Career Cluster
519141	Semiconductor Processors	Manufacturing	Career Cluster
519191	Cementing and Gluing Machine Operators and Tenders	Manufacturing	Career Cluster
519192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	Manufacturing	Career Cluster
519193	Cooling and Freezing Equipment Operators and Tenders	Manufacturing	Career Cluster
519194	Etchers and Engravers	Manufacturing	Career Cluster
519195	Molders, Shapers, and Casters, Except Metal and Plastic	Manufacturing	Career Cluster
519196	Paper Goods Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519197	Tire Builders	Manufacturing	Career Cluster
519198	Helpers--Production Workers	Manufacturing	Career Cluster
519199	Recycling and Reclamation Workers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
531011	Aircraft Cargo Handling Supervisors	Transportation, Distribution and Logistics	Career Cluster
531021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	Agriculture, Food and Natural Resources; Green Economy Sectors	State Wide
531031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	Transportation, Distribution and Logistics	Career Cluster
532011	Airline Pilots, Copilots, and Flight Engineers	Transportation, Distribution and Logistics	Career Cluster
532012	Commercial Pilots	Transportation, Distribution and Logistics	Career Cluster
532021	Air Traffic Controllers	Transportation, Distribution and Logistics	Career Cluster
532022	Airfield Operations Specialists	Transportation, Distribution and Logistics	Career Cluster
533011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	Transportation, Distribution and Logistics	Career Cluster
533021	Bus Drivers, Transit and Intercity	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
533022	Bus Drivers, School	Transportation, Distribution and Logistics	Career Cluster
533032	Truck Drivers, Heavy and Tractor-Trailer	Green Economy Sectors; Transportation, Distribution and Logistics	Regional Demand
533033	Truck Drivers, Light or Delivery Services	Transportation, Distribution and Logistics	Career Cluster
533041	Taxi Drivers and Chauffeurs	Transportation, Distribution and Logistics	Career Cluster



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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
534011	Locomotive Engineers	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
534012	Locomotive Firers	Transportation, Distribution and Logistics	Career Cluster
534013	Rail Yard Engineers, Dinkey Operators, and Hostlers	Transportation, Distribution and Logistics	Career Cluster
534021	Railroad Brake, Signal, and Switch Operators	Transportation, Distribution and Logistics	Career Cluster
534031	Railroad Conductors and Yardmasters	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
534041	Subway and Streetcar Operators	Transportation, Distribution and Logistics	Career Cluster
535011	Sailors and Marine Oilers	Transportation, Distribution and Logistics	Career Cluster
535021	Captains, Mates, and Pilots of Water Vessels	Transportation, Distribution and Logistics	Career Cluster
535022	Motorboat Operators	Transportation, Distribution and Logistics	Career Cluster
535031	Ship Engineers	Transportation, Distribution and Logistics	Career Cluster
536011	Bridge and Lock Tenders	Transportation, Distribution and Logistics	Career Cluster
536041	Traffic Technicians	Transportation, Distribution and Logistics	Career Cluster
536051	Aviation Inspectors	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
537033	Loading Machine Operators, Underground Mining	Agriculture, Food and Natural Resources	Career Cluster
537051	Industrial Truck and Tractor Operators	Green Economy Sectors; Transportation, Distribution and Logistics	Regional Demand
537061	Cleaners of Vehicles and Equipment	Transportation, Distribution and Logistics	Career Cluster
537062	Laborers and Freight, Stock, and Material Movers, Hand	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
537063	Machine Feeders and Offbearers	Manufacturing	Career Cluster
537064	Packers and Packagers, Hand	Transportation, Distribution and Logistics	Career Cluster
537071	Gas Compressor and Gas Pumping Station Operators	Agriculture, Food and Natural Resources	Career Cluster
537072	Pump Operators, Except Wellhead Pumpers	Agriculture, Food and Natural Resources	Career Cluster
537073	Wellhead Pumpers	Agriculture, Food and Natural Resources	Career Cluster
537081	Refuse and Recyclable Material Collectors	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
537111	Shuttle Car Operators	Agriculture, Food and Natural Resources	Career Cluster
537121	Tank Car, Truck, and Ship Loaders	Transportation, Distribution and Logistics	Career Cluster

## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
111011	Chief Sustainability Officers	Green Economy Sectors	Career Cluster
111021	General and Operations Managers	Green Economy Sectors	State Wide
112011	Green Marketers	Green Economy Sectors	Career Cluster
112021	Marketing Managers	Green Economy Sectors	Career Cluster
113021	Computer and Information Systems Managers	Information Technology	Career Cluster
113031	Financial Managers, Branch or Department	Agriculture, Food and Natural Resources	Career Cluster
113051	Industrial Production Managers	Green Economy Sectors; Manufacturing	Career Cluster
113071	Transportation Managers	Green Economy Sectors; Transportation, Distribution and Logistics	State Wide
119011	Farm, Ranch, and Other Agricultural Managers	Agriculture, Food and Natural Resources	Career Cluster
119012	Farmers and Ranchers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
119021	Construction Managers	Green Economy Sectors	Career Cluster
119032	Education Administrators, Elementary and Secondary School	Other	State Wide
119041	Engineering Managers	Green Economy Sectors	Career Cluster
119111	Clinical Nurse Specialists	Health Science	Career Cluster
119121	Clinical Research Coordinators	Agriculture, Food and Natural Resources; Green Economy Sectors; Health Science	Career Cluster
119199	Supply Chain Managers	Green Economy Sectors; Transportation, Distribution and Logistics	Regional Demand
131021	Purchasing Agents and Buyers, Farm Products	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
131022	Wholesale and Retail Buyers, Except Farm Products	Green Economy Sectors	Career Cluster
131023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	Manufacturing	Career Cluster
131031	Claims Adjusters, Examiners, and Investigators	Other	State Wide
131041	Regulatory Affairs Specialists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
131073	Training and Development Specialists	Green Economy Sectors	Career Cluster
131081	Logisticians	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
131111	Management Analysts	Other	State Wide
131199	Customs Brokers	Green Economy Sectors; Transportation, Distribution and Logistics	State Wide
132011	Accountants and Auditors	Other	State Wide
132051	Financial Analysts	Green Economy Sectors	Career Cluster
132052	Personal Financial Advisors	Green Economy Sectors	Career Cluster
132099	Financial Quantitative Analysts	Green Economy Sectors	Career Cluster
151021	Computer Programmers	Information Technology	Career Cluster
151031	Computer Software Engineers, Applications	Information Technology	State Wide
151032	Computer Software Engineers, Systems Software	Green Economy Sectors; Information Technology	Career Cluster

## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
151041	Computer Support Specialists	Information Technology	State Wide
151051	Computer Systems Analysts	Health Science; Information Technology	State Wide
151061	Database Administrators	Information Technology	Career Cluster
151071	Network and Computer Systems Administrators	Information Technology	State Wide
151081	Network Systems and Data Communications Analysts	Information Technology	State Wide
151099	Computer Specialists, All Other	Green Economy Sectors; Information Technology	State Wide
152041	Clinical Data Managers	Health Science	Career Cluster
152091	Mathematical Technicians	Health Science	Career Cluster
171011	Architects, Except Landscape and Naval	Green Economy Sectors	Career Cluster
171012	Landscape Architects	Green Economy Sectors	Career Cluster
171021	Cartographers and Photogrammetrists	Agriculture, Food and Natural Resources	Career Cluster
172011	Aerospace Engineers	Green Economy Sectors	State Wide
172031	Biomedical Engineers	Health Science	Career Cluster
172041	Chemical Engineers	Green Economy Sectors	Career Cluster
172051	Civil Engineers	Green Economy Sectors	State Wide
172071	Electrical Engineers	Green Economy Sectors	Career Cluster
172072	Electronics Engineers, Except Computer	Green Economy Sectors	State Wide
172081	Environmental Engineers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
172111	Industrial Safety and Health Engineers	Green Economy Sectors	Career Cluster
172112	Industrial Engineers	Green Economy Sectors	Career Cluster
172141	Mechanical Engineers	Green Economy Sectors	State Wide
172161	Nuclear Engineers	Green Economy Sectors	Career Cluster
172199	Biochemical Engineers	Green Economy Sectors	Career Cluster
173011	Architectural Drafters	Green Economy Sectors	Career Cluster
173021	Aerospace Engineering and Operations Technicians	Transportation, Distribution and Logistics	Career Cluster
173023	Electronics Engineering Technicians	Green Economy Sectors	Career Cluster
173024	Robotics Technicians	Green Economy Sectors; Manufacturing	Career Cluster
173025	Environmental Engineering Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
173026	Industrial Engineering Technicians	Green Economy Sectors; Manufacturing	Career Cluster
173027	Mechanical Engineering Technicians	Green Economy Sectors; Manufacturing	Career Cluster
173029	Photonics Technicians	Green Economy Sectors	Career Cluster
191011	Animal Scientists	Agriculture, Food and Natural Resources	Career Cluster
191012	Food Scientists and Technologists	Agriculture, Food and Natural Resources	Career Cluster
191013	Soil and Plant Scientists	Agriculture, Food and Natural Resources	Career Cluster
191020	Biologists	Health Science	Career Cluster
191023	Zoologists and Wildlife Biologists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
191031	Soil and Water Conservationists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
191032	Foresters	Agriculture, Food and Natural Resources	Career Cluster
191041	Epidemiologists	Health Science	Career Cluster
191042	Medical Scientists, Except Epidemiologists	Health Science	Career Cluster
192021	Atmospheric and Space Scientists	Green Economy Sectors	Career Cluster
192031	Chemists	Green Economy Sectors	State Wide
192032	Materials Scientists	Green Economy Sectors	Career Cluster
192041	Environmental Scientists and Specialists, Including Health	Green Economy Sectors	Career Cluster
192042	Geoscientists, Except Hydrologists and Geographers	Green Economy Sectors	Career Cluster
192043	Hydrologists	Green Economy Sectors	Career Cluster
192099	Remote Sensing Scientists and Technologists	Green Economy Sectors	Career Cluster
193011	Environmental Economists	Green Economy Sectors	Career Cluster
193031	Clinical Psychologists	Health Science	Career Cluster
193039	Neuropsychologists and Clinical Neuropsychologists	Health Science	Career Cluster
193051	Urban and Regional Planners	Green Economy Sectors	Career Cluster
193099	Transportation Planners	Green Economy Sectors	Career Cluster
194011	Agricultural Technicians	Green Economy Sectors	Career Cluster
194031	Chemical Technicians	Green Economy Sectors	Career Cluster
194041	Geophysical Data Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
194051	Nuclear Equipment Operation Technicians	Green Economy Sectors	Career Cluster
194091	Environmental Science and Protection Technicians, Including Health	Agriculture, Food and Natural Resources	Career Cluster
194093	Forest and Conservation Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
194099	Precision Agriculture Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
211023	Mental Health and Substance Abuse Social Workers	Health Science	Career Cluster
211091	Health Educators	Health Science	Career Cluster
231011	Lawyers	Other	Regional Demand
231022	Arbitrators, Mediators, and Conciliators	Green Economy Sectors	Career Cluster
251041	Agricultural Sciences Teachers, Postsecondary	Agriculture, Food and Natural Resources	Career Cluster
252021	Elementary School Teachers, Except Special Education	Other	State Wide
252022	Middle School Teachers, Except Special and Vocational Education	Other	State Wide
252031	Secondary School Teachers, Except Special and Vocational Education	Other	State Wide
259021	Farm and Home Management Advisors	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
271021	Commercial and Industrial Designers	Green Economy Sectors	Career Cluster
273022	Reporters and Correspondents	Green Economy Sectors	Career Cluster
273031	Public Relations Specialists	Green Economy Sectors	Career Cluster
291011	Chiropractors	Health Science	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
291021	Dentists, General	Health Science	Career Cluster
291022	Oral and Maxillofacial Surgeons	Health Science	Career Cluster
291023	Orthodontists	Health Science	Career Cluster
291024	Prosthodontists	Health Science	Career Cluster
291031	Dietitians and Nutritionists	Health Science	Career Cluster
291041	Optometrists	Health Science	Career Cluster
291051	Pharmacists	Health Science	Career Cluster
291061	Anesthesiologists	Health Science	Career Cluster
291062	Family and General Practitioners	Health Science	Career Cluster
291063	Internists, General	Health Science	Career Cluster
291064	Obstetricians and Gynecologists	Health Science	Career Cluster
291065	Pediatricians, General	Health Science	Career Cluster
291066	Psychiatrists	Health Science	Career Cluster
291067	Surgeons	Health Science	Career Cluster
291069	Physicians and Surgeons, All Other	Health Science	Career Cluster
291071	Physician Assistants	Health Science	Career Cluster
291081	Podiatrists	Health Science	Career Cluster
291111	Registered Nurses	Health Science	Regional Demand
291121	Audiologists	Health Science	Career Cluster
291122	Occupational Therapists	Health Science	Career Cluster
291123	Physical Therapists	Health Science	Career Cluster
291124	Radiation Therapists	Health Science	Career Cluster
291125	Recreational Therapists	Health Science	Career Cluster
291126	Respiratory Therapists	Health Science	State Wide
291127	Speech-Language Pathologists	Health Science	Career Cluster
291131	Veterinarians	Agriculture, Food and Natural Resources	Career Cluster
291199	Health Diagnosing and Treating Practitioners, All Other	Health Science	Career Cluster
292011	Medical and Clinical Laboratory Technologists	Health Science	State Wide
292012	Medical and Clinical Laboratory Technicians	Health Science	Career Cluster
292021	Dental Hygienists	Health Science	State Wide
292031	Cardiovascular Technologists and Technicians	Health Science	Career Cluster
292032	Diagnostic Medical Sonographers	Health Science	Career Cluster
292033	Nuclear Medicine Technologists	Health Science	Career Cluster
292034	Radiologic Technologists and Technicians	Health Science	State Wide
292041	Emergency Medical Technicians and Paramedics	Law, Public Safety, Corrections and Security	State Wide
292051	Dietetic Technicians	Health Science	Career Cluster
292052	Pharmacy Technicians	Health Science	Career Cluster
292053	Psychiatric Technicians	Health Science	Career Cluster
292054	Respiratory Therapy Technicians	Health Science	Career Cluster
292055	Surgical Technologists	Health Science	State Wide
292056	Veterinary Technologists and Technicians	Agriculture, Food and Natural Resources	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
292061	Licensed Practical and Licensed Vocational Nurses	Health Science	Regional Demand
292071	Medical Records and Health Information Technicians	Health Science	Career Cluster
292081	Opticians, Dispensing	Health Science	Career Cluster
292091	Orthotists and Prosthetists	Health Science	Career Cluster
292099	Health Technologists and Technicians, All Other	Health Science	Career Cluster
299011	Occupational Health and Safety Specialists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
299012	Occupational Health and Safety Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
299091	Athletic Trainers	Health Science	Career Cluster
299099	Midwives	Health Science	Career Cluster
311011	Home Health Aides	Health Science	Career Cluster
311012	Nursing Aides, Orderlies, and Attendants	Health Science	Career Cluster
311013	Psychiatric Aides	Health Science	Career Cluster
312011	Occupational Therapist Assistants	Health Science	Career Cluster
312012	Occupational Therapist Aides	Health Science	Career Cluster
312021	Physical Therapist Assistants	Health Science	State Wide
312022	Physical Therapist Aides	Health Science	Career Cluster
319091	Dental Assistants	Health Science	Career Cluster
319092	Medical Assistants	Health Science	Career Cluster
319093	Medical Equipment Preparers	Health Science	Career Cluster
319094	Medical Transcriptionists	Health Science	Career Cluster
319095	Pharmacy Aides	Health Science	Career Cluster
319096	Veterinary Assistants and Laboratory Animal Caretakers	Agriculture, Food and Natural Resources	Career Cluster
319099	Healthcare Support Workers, All Other	Health Science	Career Cluster
333012	Correctional Officers and Jailers	Other	State Wide
333031	Fish and Game Wardens	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
333051	Police and Sheriff's Patrol Officers	Other	State Wide
371012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	Agriculture, Food and Natural Resources	Career Cluster
372021	Pest Control Workers	Agriculture, Food and Natural Resources	Career Cluster
373012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	Agriculture, Food and Natural Resources	Career Cluster
373013	Tree Trimmers and Pruners	Agriculture, Food and Natural Resources	Career Cluster
392021	Nonfarm Animal Caretakers	Agriculture, Food and Natural Resources	Career Cluster
396031	Flight Attendants	Transportation, Distribution and Logistics	Career Cluster
411011	First-Line Supervisors/Managers of Retail Sales Workers	Agriculture, Food and Natural Resources	Regional Demand
412022	Parts Salespersons	Agriculture, Food and Natural Resources	Career Cluster
413031	Securities and Commodities Traders	Green Economy Sectors	Career Cluster
413099	Energy Brokers	Green Economy Sectors	Regional Demand



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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
414011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	Green Economy Sectors	State Wide
414012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	Other	State Wide
431011	First-Line Supervisors/Managers of Office and Administrative Support Workers	Other	State Wide
433021	Billing and Posting Clerks and Machine Operators	Health Science	Career Cluster
434051	Patient Representatives	Green Economy Sectors	Career Cluster
435011	Cargo and Freight Agents	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
435032	Dispatchers, Except Police, Fire, and Ambulance	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
435061	Production, Planning, and Expediting Clerks	Green Economy Sectors; Manufacturing	Career Cluster
435071	Shipping, Receiving, and Traffic Clerks	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
435111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	Manufacturing	Career Cluster
436011	Executive Secretaries and Administrative Assistants	Other	State Wide
451011	First-Line Supervisors/Managers of Logging Workers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
451012	Farm Labor Contractors	Agriculture, Food and Natural Resources	Career Cluster
452011	Agricultural Inspectors	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
452021	Animal Breeders	Agriculture, Food and Natural Resources	Career Cluster
452041	Graders and Sorters, Agricultural Products	Agriculture, Food and Natural Resources	Career Cluster
452091	Agricultural Equipment Operators	Agriculture, Food and Natural Resources	Career Cluster
452092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	Agriculture, Food and Natural Resources	Career Cluster
452093	Farmworkers, Farm and Ranch Animals	Agriculture, Food and Natural Resources	Career Cluster
453011	Fishers and Related Fishing Workers	Agriculture, Food and Natural Resources	Career Cluster
453021	Hunters and Trappers	Agriculture, Food and Natural Resources	Career Cluster
454011	Forest and Conservation Workers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
454021	Fallers	Agriculture, Food and Natural Resources	Career Cluster
454022	Logging Equipment Operators	Agriculture, Food and Natural Resources	Career Cluster
454023	Log Graders and Scalers	Agriculture, Food and Natural Resources	Career Cluster
471011	Solar Energy Installation Managers	Green Economy Sectors; Manufacturing	Career Cluster
472011	Boilermakers	Other	Career Cluster
472031	Construction Carpenters	Green Economy Sectors	Regional Demand
472051	Cement Masons and Concrete Finishers	Green Economy Sectors	Career Cluster
472061	Construction Laborers	Green Economy Sectors	Regional Demand
472073	Operating Engineers and Other Construction Equipment Operators	Green Economy Sectors	Career Cluster
472111	Electricians	Green Economy Sectors	State Wide

## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
472131	Insulation Workers, Floor, Ceiling, and Wall	Green Economy Sectors	Career Cluster
472152	Pipe Fitters and Steamfitters	Green Economy Sectors	State Wide
472181	Roofers	Green Economy Sectors	Career Cluster
472211	Sheet Metal Workers	Green Economy Sectors	Career Cluster
472221	Structural Iron and Steel Workers	Green Economy Sectors	Career Cluster
473012	Helpers--Carpenters	Green Economy Sectors	Career Cluster
474011	Construction and Building Inspectors	Green Economy Sectors	Career Cluster
474041	Hazardous Materials Removal Workers	Green Economy Sectors	Career Cluster
474061	Rail-Track Laying and Maintenance Equipment Operators	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
474099	Solar Photovoltaic Installers	Green Economy Sectors	Career Cluster
475011	Derrick Operators, Oil and Gas	Agriculture, Food and Natural Resources	Career Cluster
475012	Rotary Drill Operators, Oil and Gas	Agriculture, Food and Natural Resources	Career Cluster
475013	Service Unit Operators, Oil, Gas, and Mining	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
475031	Explosives Workers, Ordnance Handling Experts, and Blasters	Agriculture, Food and Natural Resources	Career Cluster
475041	Continuous Mining Machine Operators	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
475042	Mine Cutting and Channeling Machine Operators	Agriculture, Food and Natural Resources	Career Cluster
475051	Rock Splitters, Quarry	Agriculture, Food and Natural Resources	Career Cluster
475061	Roof Bolters, Mining	Agriculture, Food and Natural Resources	Career Cluster
475071	Roustabouts, Oil and Gas	Agriculture, Food and Natural Resources	Career Cluster
475081	Helpers--Extraction Workers	Agriculture, Food and Natural Resources	Career Cluster
491011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	Green Economy Sectors; Manufacturing	State Wide
492011	Computer, Automated Teller, and Office Machine Repairers	Manufacturing	Career Cluster
492021	Radio Mechanics	Manufacturing	Career Cluster
492022	Telecommunications Equipment Installers and Repairers, Except Line Installers	Manufacturing	Career Cluster
492091	Avionics Technicians	Transportation, Distribution and Logistics	Career Cluster
492092	Electric Motor, Power Tool, and Related Repairers	Manufacturing	Career Cluster
492093	Electrical and Electronics Installers and Repairers, Transportation Equipment	Transportation, Distribution and Logistics	Career Cluster
492094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	Green Economy Sectors; Manufacturing	State Wide
492096	Electronic Equipment Installers and Repairers, Motor Vehicles	Transportation, Distribution and Logistics	Career Cluster
492097	Electronic Home Entertainment Equipment Installers and Repairers	Manufacturing	Career Cluster
492098	Security and Fire Alarm Systems Installers	Manufacturing	Career Cluster
493011	Aircraft Mechanics and Service Technicians	Transportation, Distribution and Logistics	Career Cluster
493021	Automotive Body and Related Repairers	Transportation, Distribution and Logistics	Career Cluster
493022	Automotive Glass Installers and Repairers	Transportation, Distribution and Logistics	Career Cluster

## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
493023	Automotive Service Technicians and Mechanics	Green Economy Sectors; Transportation, Distribution and Logistics	Regional Demand
493031	Bus and Truck Mechanics and Diesel Engine Specialists	Transportation, Distribution and Logistics	Career Cluster
493041	Farm Equipment Mechanics	Agriculture, Food and Natural Resources	Career Cluster
493042	Mobile Heavy Equipment Mechanics, Except Engines	Transportation, Distribution and Logistics	Career Cluster
493043	Rail Car Repairers	Transportation, Distribution and Logistics	Career Cluster
493051	Motorboat Mechanics	Transportation, Distribution and Logistics	Career Cluster
493052	Motorcycle Mechanics	Transportation, Distribution and Logistics	Career Cluster
493053	Outdoor Power Equipment and Other Small Engine Mechanics	Manufacturing	Career Cluster
493091	Bicycle Repairers	Transportation, Distribution and Logistics	Career Cluster
493092	Recreational Vehicle Service Technicians	Transportation, Distribution and Logistics	Career Cluster
493093	Tire Repairers and Changers	Transportation, Distribution and Logistics	Career Cluster
499021	Heating and Air Conditioning Mechanics and Installers	Green Economy Sectors	Career Cluster
499041	Industrial Machinery Mechanics	Green Economy Sectors; Manufacturing	Career Cluster
499042	Maintenance and Repair Workers, General	Green Economy Sectors; Manufacturing	Career Cluster
499043	Maintenance Workers, Machinery	Manufacturing	Career Cluster
499044	Millwrights	Green Economy Sectors; Manufacturing	Career Cluster
499051	Electrical Power-Line Installers and Repairers	Green Economy Sectors	Career Cluster
499062	Medical Equipment Repairers	Manufacturing	Career Cluster
499063	Musical Instrument Repairers and Tuners	Manufacturing	Career Cluster
499064	Watch Repairers	Manufacturing	Career Cluster
499091	Coin, Vending, and Amusement Machine Servicers and Repairers	Manufacturing	Career Cluster
499092	Commercial Divers	Agriculture, Food and Natural Resources	Career Cluster
499093	Fabric Menders, Except Garment	Manufacturing	Career Cluster
499094	Locksmiths and Safe Repairers	Manufacturing	Career Cluster
499097	Signal and Track Switch Repairers	Transportation, Distribution and Logistics	Career Cluster
499098	Helpers--Installation, Maintenance, and Repair Workers	Green Economy Sectors	Career Cluster
499099	Geothermal Technicians	Green Economy Sectors	Career Cluster
511011	First-Line Supervisors/Managers of Production and Operating Workers	Green Economy Sectors; Manufacturing	Career Cluster
512011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512021	Coil Winders, Tapers, and Finishers	Manufacturing	Career Cluster
512022	Electrical and Electronic Equipment Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512023	Electromechanical Equipment Assemblers	Manufacturing	Career Cluster
512031	Engine and Other Machine Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512041	Structural Metal Fabricators and Fitters	Green Economy Sectors	Career Cluster
512091	Fiberglass Laminators and Fabricators	Manufacturing	Career Cluster
512092	Team Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512093	Timing Device Assemblers, Adjusters, and Calibrators	Manufacturing	Career Cluster
513021	Butchers and Meat Cutters	Agriculture, Food and Natural Resources	Career Cluster
513022	Meat, Poultry, and Fish Cutters and Trimmers	Agriculture, Food and Natural Resources	Career Cluster
513023	Slaughterers and Meat Packers	Agriculture, Food and Natural Resources	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
513091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	Agriculture, Food and Natural Resources	Career Cluster
513092	Food Batchmakers	Agriculture, Food and Natural Resources	Career Cluster
513093	Food Cooking Machine Operators and Tenders	Agriculture, Food and Natural Resources	Career Cluster
514011	Computer-Controlled Machine Tool Operators, Metal and Plastic	Green Economy Sectors; Manufacturing	Career Cluster
514012	Numerical Tool and Process Control Programmers	Manufacturing	Career Cluster
514021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	Green Economy Sectors; Manufacturing	Career Cluster
514032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Green Economy Sectors; Manufacturing	Career Cluster
514033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514041	Machinists	Green Economy Sectors	Career Cluster
514051	Metal-Refining Furnace Operators and Tenders	Manufacturing	Career Cluster
514052	Pourers and Casters, Metal	Manufacturing	Career Cluster
514061	Model Makers, Metal and Plastic	Manufacturing	Career Cluster
514062	Patternmakers, Metal and Plastic	Manufacturing	Career Cluster
514071	Foundry Mold and Coremakers	Manufacturing	Career Cluster
514072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514111	Tool and Die Makers	Manufacturing	Career Cluster
514121	Welders, Cutters, Solderers, and Brazers	Green Economy Sectors; Manufacturing	Career Cluster
514122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
514191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514192	Lay-Out Workers, Metal and Plastic	Manufacturing	Career Cluster
514193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514194	Tool Grinders, Filers, and Sharpeners	Manufacturing	Career Cluster
516031	Sewing Machine Operators	Manufacturing	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
516041	Shoe and Leather Workers and Repairers	Manufacturing	Career Cluster
516042	Shoe Machine Operators and Tenders	Manufacturing	Career Cluster
516051	Sewers, Hand	Manufacturing	Career Cluster
516061	Textile Bleaching and Dyeing Machine Operators and Tenders	Manufacturing	Career Cluster
516062	Textile Cutting Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
516063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
516064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
516091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	Manufacturing	Career Cluster
516092	Fabric and Apparel Patternmakers	Manufacturing	Career Cluster
516093	Upholsterers	Manufacturing	Career Cluster
517011	Cabinetmakers and Bench Carpenters	Manufacturing	Career Cluster
517021	Furniture Finishers	Manufacturing	Career Cluster
517031	Model Makers, Wood	Manufacturing	Career Cluster
517032	Patternmakers, Wood	Manufacturing	Career Cluster
517041	Sawing Machine Setters, Operators, and Tenders, Wood	Agriculture, Food and Natural Resources	Career Cluster
517042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	Manufacturing	Career Cluster
518011	Nuclear Power Reactor Operators	Green Economy Sectors; Manufacturing	Career Cluster
518012	Power Distributors and Dispatchers	Green Economy Sectors; Manufacturing	Career Cluster
518013	Power Plant Operators	Green Economy Sectors; Manufacturing	Career Cluster
518021	Stationary Engineers and Boiler Operators	Green Economy Sectors	Career Cluster
518031	Water and Liquid Waste Treatment Plant and System Operators	Agriculture, Food and Natural Resources	Career Cluster
518091	Chemical Plant and System Operators	Green Economy Sectors; Manufacturing	Career Cluster
518092	Gas Plant Operators	Agriculture, Food and Natural Resources	Career Cluster
518093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	Agriculture, Food and Natural Resources	Career Cluster
518099	Biofuels Processing Technicians	Green Economy Sectors; Manufacturing	Career Cluster
519011	Chemical Equipment Operators and Tenders	Green Economy Sectors; Manufacturing	Career Cluster
519012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	Green Economy Sectors	Career Cluster
519021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519022	Grinding and Polishing Workers, Hand	Manufacturing	Career Cluster
519023	Mixing and Blending Machine Setters, Operators, and Tenders	Green Economy Sectors; Manufacturing	Career Cluster
519031	Cutters and Trimmers, Hand	Manufacturing	Career Cluster
519032	Cutting and Slicing Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	Manufacturing	Career Cluster
519061	Inspectors, Testers, Sorters, Samplers, and Weighers	Green Economy Sectors; Manufacturing	Career Cluster
519071	Jewelers and Precious Stone and Metal Workers	Manufacturing	Career Cluster

## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
519081	Dental Laboratory Technicians	Health Science	Career Cluster
519082	Medical Appliance Technicians	Manufacturing	Career Cluster
519083	Ophthalmic Laboratory Technicians	Health Science	Career Cluster
519111	Packaging and Filling Machine Operators and Tenders	Manufacturing	Career Cluster
519121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519122	Painters, Transportation Equipment	Manufacturing	Career Cluster
519123	Painting, Coating, and Decorating Workers	Manufacturing	Career Cluster
519131	Photographic Process Workers	Manufacturing	Career Cluster
519132	Photographic Processing Machine Operators	Manufacturing	Career Cluster
519141	Semiconductor Processors	Manufacturing	Career Cluster
519191	Cementing and Gluing Machine Operators and Tenders	Manufacturing	Career Cluster
519192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	Manufacturing	Career Cluster
519193	Cooling and Freezing Equipment Operators and Tenders	Manufacturing	Career Cluster
519194	Etchers and Engravers	Manufacturing	Career Cluster
519195	Molders, Shapers, and Casters, Except Metal and Plastic	Manufacturing	Career Cluster
519196	Paper Goods Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519197	Tire Builders	Manufacturing	Career Cluster
519198	Helpers--Production Workers	Manufacturing	Career Cluster
519199	Recycling and Reclamation Workers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
531011	Aircraft Cargo Handling Supervisors	Transportation, Distribution and Logistics	Career Cluster
531021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	Agriculture, Food and Natural Resources; Green Economy Sectors	State Wide
531031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	Transportation, Distribution and Logistics	Career Cluster
532011	Airline Pilots, Copilots, and Flight Engineers	Transportation, Distribution and Logistics	Career Cluster
532012	Commercial Pilots	Transportation, Distribution and Logistics	Career Cluster
532021	Air Traffic Controllers	Transportation, Distribution and Logistics	Career Cluster
532022	Airfield Operations Specialists	Transportation, Distribution and Logistics	Career Cluster
533011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	Transportation, Distribution and Logistics	Career Cluster
533021	Bus Drivers, Transit and Intercity	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
533022	Bus Drivers, School	Transportation, Distribution and Logistics	Career Cluster
533032	Truck Drivers, Heavy and Tractor-Trailer	Green Economy Sectors; Transportation, Distribution and Logistics	Regional Demand
533033	Truck Drivers, Light or Delivery Services	Transportation, Distribution and Logistics	Career Cluster
533041	Taxi Drivers and Chauffeurs	Transportation, Distribution and Logistics	Career Cluster



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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
534011	Locomotive Engineers	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
534012	Locomotive Firers	Transportation, Distribution and Logistics	Career Cluster
534013	Rail Yard Engineers, Dinkey Operators, and Hostlers	Transportation, Distribution and Logistics	Career Cluster
534021	Railroad Brake, Signal, and Switch Operators	Transportation, Distribution and Logistics	Career Cluster
534031	Railroad Conductors and Yardmasters	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
534041	Subway and Streetcar Operators	Transportation, Distribution and Logistics	Career Cluster
535011	Sailors and Marine Oilers	Transportation, Distribution and Logistics	Career Cluster
535021	Captains, Mates, and Pilots of Water Vessels	Transportation, Distribution and Logistics	Career Cluster
535022	Motorboat Operators	Transportation, Distribution and Logistics	Career Cluster
535031	Ship Engineers	Transportation, Distribution and Logistics	Career Cluster
536011	Bridge and Lock Tenders	Transportation, Distribution and Logistics	Career Cluster
536041	Traffic Technicians	Transportation, Distribution and Logistics	Career Cluster
536051	Aviation Inspectors	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
537033	Loading Machine Operators, Underground Mining	Agriculture, Food and Natural Resources	Career Cluster
537051	Industrial Truck and Tractor Operators	Green Economy Sectors; Transportation, Distribution and Logistics	Regional Demand
537061	Cleaners of Vehicles and Equipment	Transportation, Distribution and Logistics	Career Cluster
537062	Laborers and Freight, Stock, and Material Movers, Hand	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
537063	Machine Feeders and Offbearers	Manufacturing	Career Cluster
537064	Packers and Packagers, Hand	Transportation, Distribution and Logistics	Career Cluster
537071	Gas Compressor and Gas Pumping Station Operators	Agriculture, Food and Natural Resources	Career Cluster
537072	Pump Operators, Except Wellhead Pumpers	Agriculture, Food and Natural Resources	Career Cluster
537073	Wellhead Pumpers	Agriculture, Food and Natural Resources	Career Cluster
537081	Refuse and Recyclable Material Collectors	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
537111	Shuttle Car Operators	Agriculture, Food and Natural Resources	Career Cluster
537121	Tank Car, Truck, and Ship Loaders	Transportation, Distribution and Logistics	Career Cluster

# Demand Occupation List

## Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
111011	Chief Sustainability Officers	Green Economy Sectors	Career Cluster
111021	General and Operations Managers	Green Economy Sectors	State Wide
112011	Green Marketers	Green Economy Sectors	Career Cluster
112021	Marketing Managers	Green Economy Sectors	Career Cluster
113021	Computer and Information Systems Managers	Information Technology	Career Cluster
113031	Financial Managers, Branch or Department	Agriculture, Food and Natural Resources	Career Cluster
113051	Industrial Production Managers	Green Economy Sectors; Manufacturing	Career Cluster
113071	Transportation Managers	Green Economy Sectors; Transportation, Distribution and Logistics	State Wide
119011	Farm, Ranch, and Other Agricultural Managers	Agriculture, Food and Natural Resources	Career Cluster
119012	Farmers and Ranchers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
119021	Construction Managers	Green Economy Sectors	Career Cluster
119032	Education Administrators, Elementary and Secondary School	Other	State Wide
119041	Engineering Managers	Green Economy Sectors	Career Cluster
119111	Clinical Nurse Specialists	Health Science	Career Cluster
119121	Clinical Research Coordinators	Agriculture, Food and Natural Resources; Green Economy Sectors; Health Science	Career Cluster
119199	Supply Chain Managers	Green Economy Sectors; Transportation, Distribution and Logistics	Regional Demand
131021	Purchasing Agents and Buyers, Farm Products	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
131022	Wholesale and Retail Buyers, Except Farm Products	Green Economy Sectors	Career Cluster
131023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	Manufacturing	Career Cluster
131031	Claims Adjusters, Examiners, and Investigators	Other	State Wide
131041	Regulatory Affairs Specialists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
131073	Training and Development Specialists	Green Economy Sectors	Career Cluster
131081	Logisticians	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
131111	Management Analysts	Other	State Wide
131199	Customs Brokers	Green Economy Sectors; Transportation, Distribution and Logistics	State Wide
132011	Accountants and Auditors	Other	State Wide
132051	Financial Analysts	Green Economy Sectors	Career Cluster
132052	Personal Financial Advisors	Green Economy Sectors	Career Cluster
132099	Financial Quantitative Analysts	Green Economy Sectors	Career Cluster
151021	Computer Programmers	Information Technology	Career Cluster
151031	Computer Software Engineers, Applications	Information Technology	State Wide
151032	Computer Software Engineers, Systems Software	Green Economy Sectors; Information Technology	Career Cluster

## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
151041	Computer Support Specialists	Information Technology	State Wide
151051	Computer Systems Analysts	Health Science; Information Technology	State Wide
151061	Database Administrators	Information Technology	Career Cluster
151071	Network and Computer Systems Administrators	Information Technology	State Wide
151081	Network Systems and Data Communications Analysts	Information Technology	State Wide
151099	Computer Specialists, All Other	Green Economy Sectors; Information Technology	State Wide
152041	Clinical Data Managers	Health Science	Career Cluster
152091	Mathematical Technicians	Health Science	Career Cluster
171011	Architects, Except Landscape and Naval	Green Economy Sectors	Career Cluster
171012	Landscape Architects	Green Economy Sectors	Career Cluster
171021	Cartographers and Photogrammetrists	Agriculture, Food and Natural Resources	Career Cluster
172011	Aerospace Engineers	Green Economy Sectors	State Wide
172031	Biomedical Engineers	Health Science	Career Cluster
172041	Chemical Engineers	Green Economy Sectors	Career Cluster
172051	Civil Engineers	Green Economy Sectors	State Wide
172071	Electrical Engineers	Green Economy Sectors	Career Cluster
172072	Electronics Engineers, Except Computer	Green Economy Sectors	State Wide
172081	Environmental Engineers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
172111	Industrial Safety and Health Engineers	Green Economy Sectors	Career Cluster
172112	Industrial Engineers	Green Economy Sectors	Career Cluster
172141	Mechanical Engineers	Green Economy Sectors	State Wide
172161	Nuclear Engineers	Green Economy Sectors	Career Cluster
172199	Biochemical Engineers	Green Economy Sectors	Career Cluster
173011	Architectural Drafters	Green Economy Sectors	Career Cluster
173021	Aerospace Engineering and Operations Technicians	Transportation, Distribution and Logistics	Career Cluster
173023	Electronics Engineering Technicians	Green Economy Sectors	Career Cluster
173024	Robotics Technicians	Green Economy Sectors; Manufacturing	Career Cluster
173025	Environmental Engineering Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
173026	Industrial Engineering Technicians	Green Economy Sectors; Manufacturing	Career Cluster
173027	Mechanical Engineering Technicians	Green Economy Sectors; Manufacturing	Career Cluster
173029	Photonics Technicians	Green Economy Sectors	Career Cluster
191011	Animal Scientists	Agriculture, Food and Natural Resources	Career Cluster
191012	Food Scientists and Technologists	Agriculture, Food and Natural Resources	Career Cluster
191013	Soil and Plant Scientists	Agriculture, Food and Natural Resources	Career Cluster
191020	Biologists	Health Science	Career Cluster
191023	Zoologists and Wildlife Biologists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster

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## Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
191031	Soil and Water Conservationists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
191032	Foresters	Agriculture, Food and Natural Resources	Career Cluster
191041	Epidemiologists	Health Science	Career Cluster
191042	Medical Scientists, Except Epidemiologists	Health Science	Career Cluster
192021	Atmospheric and Space Scientists	Green Economy Sectors	Career Cluster
192031	Chemists	Green Economy Sectors	State Wide
192032	Materials Scientists	Green Economy Sectors	Career Cluster
192041	Environmental Scientists and Specialists, Including Health	Green Economy Sectors	Career Cluster
192042	Geoscientists, Except Hydrologists and Geographers	Green Economy Sectors	Career Cluster
192043	Hydrologists	Green Economy Sectors	Career Cluster
192099	Remote Sensing Scientists and Technologists	Green Economy Sectors	Career Cluster
193011	Environmental Economists	Green Economy Sectors	Career Cluster
193031	Clinical Psychologists	Health Science	Career Cluster
193039	Neuropsychologists and Clinical Neuropsychologists	Health Science	Career Cluster
193051	Urban and Regional Planners	Green Economy Sectors	Career Cluster
193099	Transportation Planners	Green Economy Sectors	Career Cluster
194011	Agricultural Technicians	Green Economy Sectors	Career Cluster
194031	Chemical Technicians	Green Economy Sectors	Career Cluster
194041	Geophysical Data Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
194051	Nuclear Equipment Operation Technicians	Green Economy Sectors	Career Cluster
194091	Environmental Science and Protection Technicians, Including Health	Agriculture, Food and Natural Resources	Career Cluster
194093	Forest and Conservation Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
194099	Precision Agriculture Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
211023	Mental Health and Substance Abuse Social Workers	Health Science	Career Cluster
211091	Health Educators	Health Science	Career Cluster
231022	Arbitrators, Mediators, and Conciliators	Green Economy Sectors	Career Cluster
251041	Agricultural Sciences Teachers, Postsecondary	Agriculture, Food and Natural Resources	Career Cluster
252021	Elementary School Teachers, Except Special Education	Other	State Wide
252022	Middle School Teachers, Except Special and Vocational Education	Other	State Wide
252031	Secondary School Teachers, Except Special and Vocational Education	Other	State Wide
259021	Farm and Home Management Advisors	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
271021	Commercial and Industrial Designers	Green Economy Sectors	Career Cluster
273022	Reporters and Correspondents	Green Economy Sectors	Career Cluster
273031	Public Relations Specialists	Green Economy Sectors	Career Cluster
291011	Chiropractors	Health Science	Career Cluster
291021	Dentists, General	Health Science	Career Cluster

## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
291022	Oral and Maxillofacial Surgeons	Health Science	Career Cluster
291023	Orthodontists	Health Science	Career Cluster
291024	Prosthodontists	Health Science	Career Cluster
291031	Dietitians and Nutritionists	Health Science	Career Cluster
291041	Optometrists	Health Science	Career Cluster
291051	Pharmacists	Health Science	Career Cluster
291061	Anesthesiologists	Health Science	Career Cluster
291062	Family and General Practitioners	Health Science	Career Cluster
291063	Internists, General	Health Science	Career Cluster
291064	Obstetricians and Gynecologists	Health Science	Career Cluster
291065	Pediatricians, General	Health Science	Career Cluster
291066	Psychiatrists	Health Science	Career Cluster
291067	Surgeons	Health Science	Career Cluster
291069	Physicians and Surgeons, All Other	Health Science	Career Cluster
291071	Physician Assistants	Health Science	Career Cluster
291081	Podiatrists	Health Science	Career Cluster
291111	Registered Nurses	Health Science	Regional Demand
291121	Audiologists	Health Science	Career Cluster
291122	Occupational Therapists	Health Science	Career Cluster
291123	Physical Therapists	Health Science	Career Cluster
291124	Radiation Therapists	Health Science	Career Cluster
291125	Recreational Therapists	Health Science	Career Cluster
291126	Respiratory Therapists	Health Science	State Wide
291127	Speech-Language Pathologists	Health Science	Career Cluster
291131	Veterinarians	Agriculture, Food and Natural Resources	Career Cluster
291199	Health Diagnosing and Treating Practitioners, All Other	Health Science	Career Cluster
292011	Medical and Clinical Laboratory Technologists	Health Science	State Wide
292012	Medical and Clinical Laboratory Technicians	Health Science	Career Cluster
292021	Dental Hygienists	Health Science	State Wide
292031	Cardiovascular Technologists and Technicians	Health Science	Career Cluster
292032	Diagnostic Medical Sonographers	Health Science	Career Cluster
292033	Nuclear Medicine Technologists	Health Science	Career Cluster
292034	Radiologic Technologists and Technicians	Health Science	State Wide
292041	Emergency Medical Technicians and Paramedics	Law, Public Safety, Corrections and Security	State Wide
292051	Dietetic Technicians	Health Science	Career Cluster
292052	Pharmacy Technicians	Health Science	Career Cluster
292053	Psychiatric Technicians	Health Science	Career Cluster
292054	Respiratory Therapy Technicians	Health Science	Career Cluster
292055	Surgical Technologists	Health Science	State Wide
292056	Veterinary Technologists and Technicians	Agriculture, Food and Natural Resources	Career Cluster
292061	Licensed Practical and Licensed Vocational Nurses	Health Science	Regional Demand

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
292071	Medical Records and Health Information Technicians	Health Science	Career Cluster
292081	Opticians, Dispensing	Health Science	Career Cluster
292091	Orthotists and Prosthetists	Health Science	Career Cluster
292099	Health Technologists and Technicians, All Other	Health Science	Career Cluster
299011	Occupational Health and Safety Specialists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
299012	Occupational Health and Safety Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
299091	Athletic Trainers	Health Science	Career Cluster
299099	Midwives	Health Science	Career Cluster
311011	Home Health Aides	Health Science	Career Cluster
311012	Nursing Aides, Orderlies, and Attendants	Health Science	Career Cluster
311013	Psychiatric Aides	Health Science	Career Cluster
312011	Occupational Therapist Assistants	Health Science	Career Cluster
312012	Occupational Therapist Aides	Health Science	Career Cluster
312021	Physical Therapist Assistants	Health Science	State Wide
312022	Physical Therapist Aides	Health Science	Career Cluster
319091	Dental Assistants	Health Science	Career Cluster
319092	Medical Assistants	Health Science	Career Cluster
319093	Medical Equipment Preparers	Health Science	Career Cluster
319094	Medical Transcriptionists	Health Science	Career Cluster
319095	Pharmacy Aides	Health Science	Career Cluster
319096	Veterinary Assistants and Laboratory Animal Caretakers	Agriculture, Food and Natural Resources	Career Cluster
319099	Healthcare Support Workers, All Other	Health Science	Career Cluster
333012	Correctional Officers and Jailers	Other	State Wide
333031	Fish and Game Wardens	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
333051	Police and Sheriff's Patrol Officers	Other	State Wide
371012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	Agriculture, Food and Natural Resources	Career Cluster
372021	Pest Control Workers	Agriculture, Food and Natural Resources	Career Cluster
373012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	Agriculture, Food and Natural Resources	Career Cluster
373013	Tree Trimmers and Pruners	Agriculture, Food and Natural Resources	Career Cluster
392021	Nonfarm Animal Caretakers	Agriculture, Food and Natural Resources	Career Cluster
396031	Flight Attendants	Transportation, Distribution and Logistics	Career Cluster
411011	First-Line Supervisors/Managers of Retail Sales Workers	Agriculture, Food and Natural Resources	Regional Demand
412022	Parts Salespersons	Agriculture, Food and Natural Resources	Career Cluster
413031	Securities and Commodities Traders	Green Economy Sectors	Career Cluster
413099	Energy Brokers	Green Economy Sectors	Career Cluster
414011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	Green Economy Sectors	State Wide



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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
414012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	Other	State Wide
431011	First-Line Supervisors/Managers of Office and Administrative Support Workers	Other	State Wide
433021	Billing and Posting Clerks and Machine Operators	Health Science	Career Cluster
433031	Bookkeeping, Accounting, and Auditing Clerks	Other	Regional Demand
434051	Patient Representatives	Green Economy Sectors	Regional Demand
435011	Cargo and Freight Agents	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
435032	Dispatchers, Except Police, Fire, and Ambulance	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
435061	Production, Planning, and Expediting Clerks	Green Economy Sectors; Manufacturing	Career Cluster
435071	Shipping, Receiving, and Traffic Clerks	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
435111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	Manufacturing	Career Cluster
436011	Executive Secretaries and Administrative Assistants	Other	State Wide
451011	First-Line Supervisors/Managers of Logging Workers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
451012	Farm Labor Contractors	Agriculture, Food and Natural Resources	Career Cluster
452011	Agricultural Inspectors	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
452021	Animal Breeders	Agriculture, Food and Natural Resources	Career Cluster
452041	Graders and Sorters, Agricultural Products	Agriculture, Food and Natural Resources	Career Cluster
452091	Agricultural Equipment Operators	Agriculture, Food and Natural Resources	Career Cluster
452092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	Agriculture, Food and Natural Resources	Career Cluster
452093	Farmworkers, Farm and Ranch Animals	Agriculture, Food and Natural Resources	Career Cluster
453011	Fishers and Related Fishing Workers	Agriculture, Food and Natural Resources	Career Cluster
453021	Hunters and Trappers	Agriculture, Food and Natural Resources	Career Cluster
454011	Forest and Conservation Workers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
454021	Fallers	Agriculture, Food and Natural Resources	Career Cluster
454022	Logging Equipment Operators	Agriculture, Food and Natural Resources	Career Cluster
454023	Log Graders and Scalers	Agriculture, Food and Natural Resources	Career Cluster
471011	Solar Energy Installation Managers	Green Economy Sectors; Manufacturing	Career Cluster
472011	Boilermakers	Other	Career Cluster
472031	Construction Carpenters	Green Economy Sectors	Regional Demand
472051	Cement Masons and Concrete Finishers	Green Economy Sectors	Career Cluster
472061	Construction Laborers	Green Economy Sectors	Career Cluster
472073	Operating Engineers and Other Construction Equipment Operators	Green Economy Sectors	Career Cluster
472111	Electricians	Green Economy Sectors	State Wide
472131	Insulation Workers, Floor, Ceiling, and Wall	Green Economy Sectors	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
472152	Pipe Fitters and Steamfitters	Green Economy Sectors	State Wide
472181	Roofers	Green Economy Sectors	Career Cluster
472211	Sheet Metal Workers	Green Economy Sectors	Career Cluster
472221	Structural Iron and Steel Workers	Green Economy Sectors	Career Cluster
473012	Helpers--Carpenters	Green Economy Sectors	Career Cluster
474011	Construction and Building Inspectors	Green Economy Sectors	Career Cluster
474041	Hazardous Materials Removal Workers	Green Economy Sectors	Career Cluster
474061	Rail-Track Laying and Maintenance Equipment Operators	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
474099	Solar Photovoltaic Installers	Green Economy Sectors	Career Cluster
475011	Derrick Operators, Oil and Gas	Agriculture, Food and Natural Resources	Career Cluster
475012	Rotary Drill Operators, Oil and Gas	Agriculture, Food and Natural Resources	Career Cluster
475013	Service Unit Operators, Oil, Gas, and Mining	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
475031	Explosives Workers, Ordnance Handling Experts, and Blasters	Agriculture, Food and Natural Resources	Career Cluster
475041	Continuous Mining Machine Operators	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
475042	Mine Cutting and Channeling Machine Operators	Agriculture, Food and Natural Resources	Career Cluster
475051	Rock Splitters, Quarry	Agriculture, Food and Natural Resources	Career Cluster
475061	Roof Bolters, Mining	Agriculture, Food and Natural Resources	Career Cluster
475071	Roustabouts, Oil and Gas	Agriculture, Food and Natural Resources	Career Cluster
475081	Helpers--Extraction Workers	Agriculture, Food and Natural Resources	Career Cluster
491011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	Green Economy Sectors; Manufacturing	State Wide
492011	Computer, Automated Teller, and Office Machine Repairers	Manufacturing	Career Cluster
492021	Radio Mechanics	Manufacturing	Career Cluster
492022	Telecommunications Equipment Installers and Repairers, Except Line Installers	Manufacturing	Career Cluster
492091	Avionics Technicians	Transportation, Distribution and Logistics	Career Cluster
492092	Electric Motor, Power Tool, and Related Repairers	Manufacturing	Career Cluster
492093	Electrical and Electronics Installers and Repairers, Transportation Equipment	Transportation, Distribution and Logistics	Career Cluster
492094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	Green Economy Sectors; Manufacturing	State Wide
492096	Electronic Equipment Installers and Repairers, Motor Vehicles	Transportation, Distribution and Logistics	Career Cluster
492097	Electronic Home Entertainment Equipment Installers and Repairers	Manufacturing	Career Cluster
492098	Security and Fire Alarm Systems Installers	Manufacturing	Career Cluster
493011	Aircraft Mechanics and Service Technicians	Transportation, Distribution and Logistics	Career Cluster
493021	Automotive Body and Related Repairers	Transportation, Distribution and Logistics	Career Cluster
493022	Automotive Glass Installers and Repairers	Transportation, Distribution and Logistics	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
493023	Automotive Service Technicians and Mechanics	Green Economy Sectors; Transportation, Distribution and Logistics	Regional Demand
493031	Bus and Truck Mechanics and Diesel Engine Specialists	Transportation, Distribution and Logistics	Career Cluster
493041	Farm Equipment Mechanics	Agriculture, Food and Natural Resources	Career Cluster
493042	Mobile Heavy Equipment Mechanics, Except Engines	Transportation, Distribution and Logistics	Career Cluster
493043	Rail Car Repairers	Transportation, Distribution and Logistics	Career Cluster
493051	Motorboat Mechanics	Transportation, Distribution and Logistics	Career Cluster
493052	Motorcycle Mechanics	Transportation, Distribution and Logistics	Career Cluster
493053	Outdoor Power Equipment and Other Small Engine Mechanics	Manufacturing	Career Cluster
493091	Bicycle Repairers	Transportation, Distribution and Logistics	Career Cluster
493092	Recreational Vehicle Service Technicians	Transportation, Distribution and Logistics	Career Cluster
493093	Tire Repairers and Changers	Transportation, Distribution and Logistics	Career Cluster
499021	Heating and Air Conditioning Mechanics and Installers	Green Economy Sectors	Career Cluster
499041	Industrial Machinery Mechanics	Green Economy Sectors; Manufacturing	Career Cluster
499042	Maintenance and Repair Workers, General	Green Economy Sectors; Manufacturing	Career Cluster
499043	Maintenance Workers, Machinery	Manufacturing	Career Cluster
499044	Millwrights	Green Economy Sectors; Manufacturing	Career Cluster
499051	Electrical Power-Line Installers and Repairers	Green Economy Sectors	Career Cluster
499062	Medical Equipment Repairers	Manufacturing	Career Cluster
499063	Musical Instrument Repairers and Tuners	Manufacturing	Career Cluster
499064	Watch Repairers	Manufacturing	Career Cluster
499091	Coin, Vending, and Amusement Machine Servicers and Repairers	Manufacturing	Career Cluster
499092	Commercial Divers	Agriculture, Food and Natural Resources	Career Cluster
499093	Fabric Menders, Except Garment	Manufacturing	Career Cluster
499094	Locksmiths and Safe Repairers	Manufacturing	Career Cluster
499097	Signal and Track Switch Repairers	Transportation, Distribution and Logistics	Career Cluster
499098	Helpers--Installation, Maintenance, and Repair Workers	Green Economy Sectors	Career Cluster
499099	Geothermal Technicians	Green Economy Sectors	Career Cluster
511011	First-Line Supervisors/Managers of Production and Operating Workers	Green Economy Sectors; Manufacturing	Career Cluster
512011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512021	Coil Winders, Tapers, and Finishers	Manufacturing	Career Cluster
512022	Electrical and Electronic Equipment Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512023	Electromechanical Equipment Assemblers	Manufacturing	Career Cluster
512031	Engine and Other Machine Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512041	Structural Metal Fabricators and Fitters	Green Economy Sectors	Career Cluster
512091	Fiberglass Laminators and Fabricators	Manufacturing	Career Cluster
512092	Team Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512093	Timing Device Assemblers, Adjusters, and Calibrators	Manufacturing	Career Cluster
513021	Butchers and Meat Cutters	Agriculture, Food and Natural Resources	Career Cluster
513022	Meat, Poultry, and Fish Cutters and Trimmers	Agriculture, Food and Natural Resources	Career Cluster
513023	Slaughterers and Meat Packers	Agriculture, Food and Natural Resources	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
513091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	Agriculture, Food and Natural Resources	Career Cluster
513092	Food Batchmakers	Agriculture, Food and Natural Resources	Career Cluster
513093	Food Cooking Machine Operators and Tenders	Agriculture, Food and Natural Resources	Career Cluster
514011	Computer-Controlled Machine Tool Operators, Metal and Plastic	Green Economy Sectors; Manufacturing	Career Cluster
514012	Numerical Tool and Process Control Programmers	Manufacturing	Career Cluster
514021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	Green Economy Sectors; Manufacturing	Career Cluster
514032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Green Economy Sectors; Manufacturing	Career Cluster
514033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514041	Machinists	Green Economy Sectors	Career Cluster
514051	Metal-Refining Furnace Operators and Tenders	Manufacturing	Career Cluster
514052	Pourers and Casters, Metal	Manufacturing	Career Cluster
514061	Model Makers, Metal and Plastic	Manufacturing	Career Cluster
514062	Patternmakers, Metal and Plastic	Manufacturing	Career Cluster
514071	Foundry Mold and Coremakers	Manufacturing	Career Cluster
514072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514111	Tool and Die Makers	Manufacturing	Career Cluster
514121	Welders, Cutters, Solderers, and Brazers	Green Economy Sectors; Manufacturing	Career Cluster
514122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
514191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514192	Lay-Out Workers, Metal and Plastic	Manufacturing	Career Cluster
514193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514194	Tool Grinders, Filers, and Sharpeners	Manufacturing	Career Cluster
516031	Sewing Machine Operators	Manufacturing	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
516041	Shoe and Leather Workers and Repairers	Manufacturing	Career Cluster
516042	Shoe Machine Operators and Tenders	Manufacturing	Career Cluster
516051	Sewers, Hand	Manufacturing	Career Cluster
516061	Textile Bleaching and Dyeing Machine Operators and Tenders	Manufacturing	Career Cluster
516062	Textile Cutting Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
516063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
516064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
516091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	Manufacturing	Career Cluster
516092	Fabric and Apparel Patternmakers	Manufacturing	Career Cluster
516093	Upholsterers	Manufacturing	Career Cluster
517011	Cabinetmakers and Bench Carpenters	Manufacturing	Career Cluster
517021	Furniture Finishers	Manufacturing	Career Cluster
517031	Model Makers, Wood	Manufacturing	Career Cluster
517032	Patternmakers, Wood	Manufacturing	Career Cluster
517041	Sawing Machine Setters, Operators, and Tenders, Wood	Agriculture, Food and Natural Resources	Career Cluster
517042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	Manufacturing	Career Cluster
518011	Nuclear Power Reactor Operators	Green Economy Sectors; Manufacturing	Career Cluster
518012	Power Distributors and Dispatchers	Green Economy Sectors; Manufacturing	Career Cluster
518013	Power Plant Operators	Green Economy Sectors; Manufacturing	Career Cluster
518021	Stationary Engineers and Boiler Operators	Green Economy Sectors	Career Cluster
518031	Water and Liquid Waste Treatment Plant and System Operators	Agriculture, Food and Natural Resources	Career Cluster
518091	Chemical Plant and System Operators	Green Economy Sectors; Manufacturing	Career Cluster
518092	Gas Plant Operators	Agriculture, Food and Natural Resources	Career Cluster
518093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	Agriculture, Food and Natural Resources	Career Cluster
518099	Biofuels Processing Technicians	Green Economy Sectors; Manufacturing	Career Cluster
519011	Chemical Equipment Operators and Tenders	Green Economy Sectors; Manufacturing	Career Cluster
519012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	Green Economy Sectors	Career Cluster
519021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519022	Grinding and Polishing Workers, Hand	Manufacturing	Career Cluster
519023	Mixing and Blending Machine Setters, Operators, and Tenders	Green Economy Sectors; Manufacturing	Career Cluster
519031	Cutters and Trimmers, Hand	Manufacturing	Career Cluster
519032	Cutting and Slicing Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	Manufacturing	Career Cluster
519061	Inspectors, Testers, Sorters, Samplers, and Weighers	Green Economy Sectors; Manufacturing	Career Cluster
519071	Jewelers and Precious Stone and Metal Workers	Manufacturing	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
519081	Dental Laboratory Technicians	Health Science	Career Cluster
519082	Medical Appliance Technicians	Manufacturing	Career Cluster
519083	Ophthalmic Laboratory Technicians	Health Science	Career Cluster
519111	Packaging and Filling Machine Operators and Tenders	Manufacturing	Career Cluster
519121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519122	Painters, Transportation Equipment	Manufacturing	Career Cluster
519123	Painting, Coating, and Decorating Workers	Manufacturing	Career Cluster
519131	Photographic Process Workers	Manufacturing	Career Cluster
519132	Photographic Processing Machine Operators	Manufacturing	Career Cluster
519141	Semiconductor Processors	Manufacturing	Career Cluster
519191	Cementing and Gluing Machine Operators and Tenders	Manufacturing	Career Cluster
519192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	Manufacturing	Career Cluster
519193	Cooling and Freezing Equipment Operators and Tenders	Manufacturing	Career Cluster
519194	Etchers and Engravers	Manufacturing	Career Cluster
519195	Molders, Shapers, and Casters, Except Metal and Plastic	Manufacturing	Career Cluster
519196	Paper Goods Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519197	Tire Builders	Manufacturing	Career Cluster
519198	Helpers--Production Workers	Manufacturing	Career Cluster
519199	Recycling and Reclamation Workers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
531011	Aircraft Cargo Handling Supervisors	Transportation, Distribution and Logistics	Career Cluster
531021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	Agriculture, Food and Natural Resources; Green Economy Sectors	State Wide
531031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	Transportation, Distribution and Logistics	Career Cluster
532011	Airline Pilots, Copilots, and Flight Engineers	Transportation, Distribution and Logistics	Career Cluster
532012	Commercial Pilots	Transportation, Distribution and Logistics	Career Cluster
532021	Air Traffic Controllers	Transportation, Distribution and Logistics	Career Cluster
532022	Airfield Operations Specialists	Transportation, Distribution and Logistics	Career Cluster
533011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	Transportation, Distribution and Logistics	Career Cluster
533021	Bus Drivers, Transit and Intercity	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
533022	Bus Drivers, School	Transportation, Distribution and Logistics	Career Cluster
533032	Truck Drivers, Heavy and Tractor-Trailer	Green Economy Sectors; Transportation, Distribution and Logistics	Regional Demand
533033	Truck Drivers, Light or Delivery Services	Transportation, Distribution and Logistics	Career Cluster
533041	Taxi Drivers and Chauffeurs	Transportation, Distribution and Logistics	Career Cluster



**Demand Occupation List**  
**Career Cluster and Regional Demand**

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
534011	Locomotive Engineers	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
534012	Locomotive Firers	Transportation, Distribution and Logistics	Career Cluster
534013	Rail Yard Engineers, Dinkey Operators, and Hostlers	Transportation, Distribution and Logistics	Career Cluster
534021	Railroad Brake, Signal, and Switch Operators	Transportation, Distribution and Logistics	Career Cluster
534031	Railroad Conductors and Yardmasters	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
534041	Subway and Streetcar Operators	Transportation, Distribution and Logistics	Career Cluster
535011	Sailors and Marine Oilers	Transportation, Distribution and Logistics	Career Cluster
535021	Captains, Mates, and Pilots of Water Vessels	Transportation, Distribution and Logistics	Career Cluster
535022	Motorboat Operators	Transportation, Distribution and Logistics	Career Cluster
535031	Ship Engineers	Transportation, Distribution and Logistics	Career Cluster
536011	Bridge and Lock Tenders	Transportation, Distribution and Logistics	Career Cluster
536041	Traffic Technicians	Transportation, Distribution and Logistics	Career Cluster
536051	Aviation Inspectors	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
537033	Loading Machine Operators, Underground Mining	Agriculture, Food and Natural Resources	Career Cluster
537051	Industrial Truck and Tractor Operators	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
537061	Cleaners of Vehicles and Equipment	Transportation, Distribution and Logistics	Career Cluster
537062	Laborers and Freight, Stock, and Material Movers, Hand	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
537063	Machine Feeders and Offbearers	Manufacturing	Career Cluster
537064	Packers and Packagers, Hand	Transportation, Distribution and Logistics	Career Cluster
537071	Gas Compressor and Gas Pumping Station Operators	Agriculture, Food and Natural Resources	Career Cluster
537072	Pump Operators, Except Wellhead Pumpers	Agriculture, Food and Natural Resources	Career Cluster
537073	Wellhead Pumpers	Agriculture, Food and Natural Resources	Career Cluster
537081	Refuse and Recyclable Material Collectors	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
537111	Shuttle Car Operators	Agriculture, Food and Natural Resources	Career Cluster
537121	Tank Car, Truck, and Ship Loaders	Transportation, Distribution and Logistics	Career Cluster

## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
111011	Chief Sustainability Officers	Green Economy Sectors	Career Cluster
111021	General and Operations Managers	Green Economy Sectors	State Wide
112011	Green Marketers	Green Economy Sectors	Career Cluster
112021	Marketing Managers	Green Economy Sectors	Career Cluster
113021	Computer and Information Systems Managers	Information Technology	Career Cluster
113031	Financial Managers, Branch or Department	Agriculture, Food and Natural Resources	Career Cluster
113051	Industrial Production Managers	Green Economy Sectors; Manufacturing	Career Cluster
113071	Transportation Managers	Green Economy Sectors; Transportation, Distribution and Logistics	State Wide
119011	Farm, Ranch, and Other Agricultural Managers	Agriculture, Food and Natural Resources	Career Cluster
119012	Farmers and Ranchers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
119021	Construction Managers	Green Economy Sectors	Career Cluster
119032	Education Administrators, Elementary and Secondary School	Other	State Wide
119041	Engineering Managers	Green Economy Sectors	Career Cluster
119111	Clinical Nurse Specialists	Health Science	Career Cluster
119121	Clinical Research Coordinators	Agriculture, Food and Natural Resources; Green Economy Sectors; Health Science	Career Cluster
119199	Supply Chain Managers	Green Economy Sectors; Transportation, Distribution and Logistics	Regional Demand
131021	Purchasing Agents and Buyers, Farm Products	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
131022	Wholesale and Retail Buyers, Except Farm Products	Green Economy Sectors	Career Cluster
131023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	Manufacturing	Career Cluster
131031	Claims Adjusters, Examiners, and Investigators	Other	State Wide
131041	Regulatory Affairs Specialists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
131073	Training and Development Specialists	Green Economy Sectors	Career Cluster
131081	Logisticians	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
131111	Management Analysts	Other	State Wide
131199	Customs Brokers	Green Economy Sectors; Transportation, Distribution and Logistics	State Wide
132011	Accountants and Auditors	Other	State Wide
132051	Financial Analysts	Green Economy Sectors	Career Cluster
132052	Personal Financial Advisors	Green Economy Sectors	Career Cluster
132099	Financial Quantitative Analysts	Green Economy Sectors	Career Cluster
151021	Computer Programmers	Information Technology	Career Cluster
151031	Computer Software Engineers, Applications	Information Technology	State Wide
151032	Computer Software Engineers, Systems Software	Green Economy Sectors; Information Technology	Career Cluster

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O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
151041	Computer Support Specialists	Information Technology	State Wide
151051	Computer Systems Analysts	Health Science; Information Technology	State Wide
151061	Database Administrators	Information Technology	Career Cluster
151071	Network and Computer Systems Administrators	Information Technology	State Wide
151081	Network Systems and Data Communications Analysts	Information Technology	State Wide
151099	Computer Specialists, All Other	Green Economy Sectors; Information Technology	State Wide
152041	Clinical Data Managers	Health Science	Career Cluster
152091	Mathematical Technicians	Health Science	Career Cluster
171011	Architects, Except Landscape and Naval	Green Economy Sectors	Career Cluster
171012	Landscape Architects	Green Economy Sectors	Career Cluster
171021	Cartographers and Photogrammetrists	Agriculture, Food and Natural Resources	Career Cluster
172011	Aerospace Engineers	Green Economy Sectors	State Wide
172031	Biomedical Engineers	Health Science	Career Cluster
172041	Chemical Engineers	Green Economy Sectors	Career Cluster
172051	Civil Engineers	Green Economy Sectors	State Wide
172071	Electrical Engineers	Green Economy Sectors	Career Cluster
172072	Electronics Engineers, Except Computer	Green Economy Sectors	State Wide
172081	Environmental Engineers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
172111	Industrial Safety and Health Engineers	Green Economy Sectors	Career Cluster
172112	Industrial Engineers	Green Economy Sectors	Career Cluster
172141	Mechanical Engineers	Green Economy Sectors	State Wide
172161	Nuclear Engineers	Green Economy Sectors	Career Cluster
172199	Biochemical Engineers	Green Economy Sectors	Career Cluster
173011	Architectural Drafters	Green Economy Sectors	Career Cluster
173021	Aerospace Engineering and Operations Technicians	Transportation, Distribution and Logistics	Career Cluster
173023	Electronics Engineering Technicians	Green Economy Sectors	Career Cluster
173024	Robotics Technicians	Green Economy Sectors; Manufacturing	Career Cluster
173025	Environmental Engineering Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
173026	Industrial Engineering Technicians	Green Economy Sectors; Manufacturing	Career Cluster
173027	Mechanical Engineering Technicians	Green Economy Sectors; Manufacturing	Career Cluster
173029	Photonics Technicians	Green Economy Sectors	Career Cluster
191011	Animal Scientists	Agriculture, Food and Natural Resources	Career Cluster
191012	Food Scientists and Technologists	Agriculture, Food and Natural Resources	Career Cluster
191013	Soil and Plant Scientists	Agriculture, Food and Natural Resources	Career Cluster
191020	Biologists	Health Science	Career Cluster
191023	Zoologists and Wildlife Biologists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
191031	Soil and Water Conservationists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
191032	Foresters	Agriculture, Food and Natural Resources	Career Cluster
191041	Epidemiologists	Health Science	Career Cluster
191042	Medical Scientists, Except Epidemiologists	Health Science	Career Cluster
192021	Atmospheric and Space Scientists	Green Economy Sectors	Career Cluster
192031	Chemists	Green Economy Sectors	State Wide
192032	Materials Scientists	Green Economy Sectors	Career Cluster
192041	Environmental Scientists and Specialists, Including Health	Green Economy Sectors	Career Cluster
192042	Geoscientists, Except Hydrologists and Geographers	Green Economy Sectors	Career Cluster
192043	Hydrologists	Green Economy Sectors	Career Cluster
192099	Remote Sensing Scientists and Technologists	Green Economy Sectors	Career Cluster
193011	Environmental Economists	Green Economy Sectors	Career Cluster
193031	Clinical Psychologists	Health Science	Career Cluster
193039	Neuropsychologists and Clinical Neuropsychologists	Health Science	Career Cluster
193051	Urban and Regional Planners	Green Economy Sectors	Career Cluster
193099	Transportation Planners	Green Economy Sectors	Career Cluster
194011	Agricultural Technicians	Green Economy Sectors	Career Cluster
194031	Chemical Technicians	Green Economy Sectors	Career Cluster
194041	Geophysical Data Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
194051	Nuclear Equipment Operation Technicians	Green Economy Sectors	Career Cluster
194091	Environmental Science and Protection Technicians, Including Health	Agriculture, Food and Natural Resources	Career Cluster
194093	Forest and Conservation Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
194099	Precision Agriculture Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
211023	Mental Health and Substance Abuse Social Workers	Health Science	Career Cluster
211091	Health Educators	Health Science	Career Cluster
231022	Arbitrators, Mediators, and Conciliators	Green Economy Sectors	Career Cluster
251041	Agricultural Sciences Teachers, Postsecondary	Agriculture, Food and Natural Resources	Career Cluster
251199	Postsecondary Teachers, All Other	Other	Regional Demand
252021	Elementary School Teachers, Except Special Education	Other	State Wide
252022	Middle School Teachers, Except Special and Vocational Education	Other	State Wide
252031	Secondary School Teachers, Except Special and Vocational Education	Other	State Wide
259021	Farm and Home Management Advisors	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
271021	Commercial and Industrial Designers	Green Economy Sectors	Career Cluster
273022	Reporters and Correspondents	Green Economy Sectors	Career Cluster
273031	Public Relations Specialists	Green Economy Sectors	Career Cluster
291011	Chiropractors	Health Science	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
291021	Dentists, General	Health Science	Career Cluster
291022	Oral and Maxillofacial Surgeons	Health Science	Career Cluster
291023	Orthodontists	Health Science	Career Cluster
291024	Prosthodontists	Health Science	Career Cluster
291031	Dietitians and Nutritionists	Health Science	Career Cluster
291041	Optometrists	Health Science	Career Cluster
291051	Pharmacists	Health Science	Career Cluster
291061	Anesthesiologists	Health Science	Career Cluster
291062	Family and General Practitioners	Health Science	Career Cluster
291063	Internists, General	Health Science	Career Cluster
291064	Obstetricians and Gynecologists	Health Science	Career Cluster
291065	Pediatricians, General	Health Science	Career Cluster
291066	Psychiatrists	Health Science	Career Cluster
291067	Surgeons	Health Science	Career Cluster
291069	Physicians and Surgeons, All Other	Health Science	Career Cluster
291071	Physician Assistants	Health Science	Career Cluster
291081	Podiatrists	Health Science	Career Cluster
291111	Registered Nurses	Health Science	Regional Demand
291121	Audiologists	Health Science	Career Cluster
291122	Occupational Therapists	Health Science	Career Cluster
291123	Physical Therapists	Health Science	Career Cluster
291124	Radiation Therapists	Health Science	Career Cluster
291125	Recreational Therapists	Health Science	Career Cluster
291126	Respiratory Therapists	Health Science	State Wide
291127	Speech-Language Pathologists	Health Science	Career Cluster
291131	Veterinarians	Agriculture, Food and Natural Resources	Career Cluster
291199	Health Diagnosing and Treating Practitioners, All Other	Health Science	Career Cluster
292011	Medical and Clinical Laboratory Technologists	Health Science	State Wide
292012	Medical and Clinical Laboratory Technicians	Health Science	Career Cluster
292021	Dental Hygienists	Health Science	State Wide
292031	Cardiovascular Technologists and Technicians	Health Science	Career Cluster
292032	Diagnostic Medical Sonographers	Health Science	Career Cluster
292033	Nuclear Medicine Technologists	Health Science	Career Cluster
292034	Radiologic Technologists and Technicians	Health Science	State Wide
292041	Emergency Medical Technicians and Paramedics	Law, Public Safety, Corrections and Security	State Wide
292051	Dietetic Technicians	Health Science	Career Cluster
292052	Pharmacy Technicians	Health Science	Career Cluster
292053	Psychiatric Technicians	Health Science	Career Cluster
292054	Respiratory Therapy Technicians	Health Science	Career Cluster
292055	Surgical Technologists	Health Science	State Wide
292056	Veterinary Technologists and Technicians	Agriculture, Food and Natural Resources	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
292061	Licensed Practical and Licensed Vocational Nurses	Health Science	Regional Demand
292071	Medical Records and Health Information Technicians	Health Science	Career Cluster
292081	Opticians, Dispensing	Health Science	Career Cluster
292091	Orthotists and Prosthetists	Health Science	Career Cluster
292099	Health Technologists and Technicians, All Other	Health Science	Career Cluster
299011	Occupational Health and Safety Specialists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
299012	Occupational Health and Safety Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
299091	Athletic Trainers	Health Science	Career Cluster
299099	Midwives	Health Science	Career Cluster
311011	Home Health Aides	Health Science	Career Cluster
311012	Nursing Aides, Orderlies, and Attendants	Health Science	Career Cluster
311013	Psychiatric Aides	Health Science	Career Cluster
312011	Occupational Therapist Assistants	Health Science	Career Cluster
312012	Occupational Therapist Aides	Health Science	Career Cluster
312021	Physical Therapist Assistants	Health Science	State Wide
312022	Physical Therapist Aides	Health Science	Career Cluster
319091	Dental Assistants	Health Science	Career Cluster
319092	Medical Assistants	Health Science	Career Cluster
319093	Medical Equipment Preparers	Health Science	Career Cluster
319094	Medical Transcriptionists	Health Science	Career Cluster
319095	Pharmacy Aides	Health Science	Career Cluster
319096	Veterinary Assistants and Laboratory Animal Caretakers	Agriculture, Food and Natural Resources	Career Cluster
319099	Healthcare Support Workers, All Other	Health Science	Career Cluster
333012	Correctional Officers and Jailers	Other	State Wide
333031	Fish and Game Wardens	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
333051	Police and Sheriff's Patrol Officers	Other	State Wide
371012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	Agriculture, Food and Natural Resources	Career Cluster
372021	Pest Control Workers	Agriculture, Food and Natural Resources	Career Cluster
373012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	Agriculture, Food and Natural Resources	Career Cluster
373013	Tree Trimmers and Pruners	Agriculture, Food and Natural Resources	Career Cluster
392021	Nonfarm Animal Caretakers	Agriculture, Food and Natural Resources	Career Cluster
396031	Flight Attendants	Transportation, Distribution and Logistics	Career Cluster
411011	First-Line Supervisors/Managers of Retail Sales Workers	Agriculture, Food and Natural Resources	Regional Demand
412022	Parts Salespersons	Agriculture, Food and Natural Resources	Career Cluster
413031	Securities and Commodities Traders	Green Economy Sectors	Career Cluster
413099	Energy Brokers	Green Economy Sectors	Career Cluster



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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
414011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	Green Economy Sectors	State Wide
414012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	Other	State Wide
431011	First-Line Supervisors/Managers of Office and Administrative Support Workers	Other	State Wide
433021	Billing and Posting Clerks and Machine Operators	Health Science	Career Cluster
433031	Bookkeeping, Accounting, and Auditing Clerks	Other	Regional Demand
434051	Patient Representatives	Green Economy Sectors	Regional Demand
435011	Cargo and Freight Agents	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
435032	Dispatchers, Except Police, Fire, and Ambulance	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
435061	Production, Planning, and Expediting Clerks	Green Economy Sectors; Manufacturing	Career Cluster
435071	Shipping, Receiving, and Traffic Clerks	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
435111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	Manufacturing	Career Cluster
436011	Executive Secretaries and Administrative Assistants	Other	State Wide
451011	First-Line Supervisors/Managers of Logging Workers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
451012	Farm Labor Contractors	Agriculture, Food and Natural Resources	Career Cluster
452011	Agricultural Inspectors	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
452021	Animal Breeders	Agriculture, Food and Natural Resources	Career Cluster
452041	Graders and Sorters, Agricultural Products	Agriculture, Food and Natural Resources	Career Cluster
452091	Agricultural Equipment Operators	Agriculture, Food and Natural Resources	Career Cluster
452092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	Agriculture, Food and Natural Resources	Career Cluster
452093	Farmworkers, Farm and Ranch Animals	Agriculture, Food and Natural Resources	Career Cluster
453011	Fishers and Related Fishing Workers	Agriculture, Food and Natural Resources	Career Cluster
453021	Hunters and Trappers	Agriculture, Food and Natural Resources	Career Cluster
454011	Forest and Conservation Workers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
454021	Fallers	Agriculture, Food and Natural Resources	Career Cluster
454022	Logging Equipment Operators	Agriculture, Food and Natural Resources	Career Cluster
454023	Log Graders and Scalers	Agriculture, Food and Natural Resources	Career Cluster
471011	Solar Energy Installation Managers	Green Economy Sectors; Manufacturing	Career Cluster
472011	Boilermakers	Other	Career Cluster
472031	Construction Carpenters	Green Economy Sectors	Regional Demand
472051	Cement Masons and Concrete Finishers	Green Economy Sectors	Career Cluster
472061	Construction Laborers	Green Economy Sectors	Career Cluster
472073	Operating Engineers and Other Construction Equipment Operators	Green Economy Sectors	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
472111	Electricians	Green Economy Sectors	State Wide
472131	Insulation Workers, Floor, Ceiling, and Wall	Green Economy Sectors	Career Cluster
472152	Pipe Fitters and Steamfitters	Green Economy Sectors	State Wide
472181	Roofers	Green Economy Sectors	Career Cluster
472211	Sheet Metal Workers	Green Economy Sectors	Career Cluster
472221	Structural Iron and Steel Workers	Green Economy Sectors	Career Cluster
473012	Helpers--Carpenters	Green Economy Sectors	Career Cluster
474011	Construction and Building Inspectors	Green Economy Sectors	Career Cluster
474041	Hazardous Materials Removal Workers	Green Economy Sectors	Career Cluster
474061	Rail-Track Laying and Maintenance Equipment Operators	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
474099	Solar Photovoltaic Installers	Green Economy Sectors	Career Cluster
475011	Derrick Operators, Oil and Gas	Agriculture, Food and Natural Resources	Career Cluster
475012	Rotary Drill Operators, Oil and Gas	Agriculture, Food and Natural Resources	Career Cluster
475013	Service Unit Operators, Oil, Gas, and Mining	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
475031	Explosives Workers, Ordnance Handling Experts, and Blasters	Agriculture, Food and Natural Resources	Career Cluster
475041	Continuous Mining Machine Operators	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
475042	Mine Cutting and Channeling Machine Operators	Agriculture, Food and Natural Resources	Career Cluster
475051	Rock Splitters, Quarry	Agriculture, Food and Natural Resources	Career Cluster
475061	Roof Bolters, Mining	Agriculture, Food and Natural Resources	Career Cluster
475071	Roustabouts, Oil and Gas	Agriculture, Food and Natural Resources	Career Cluster
475081	Helpers--Extraction Workers	Agriculture, Food and Natural Resources	Career Cluster
491011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	Green Economy Sectors; Manufacturing	State Wide
492011	Computer, Automated Teller, and Office Machine Repairers	Manufacturing	Career Cluster
492021	Radio Mechanics	Manufacturing	Career Cluster
492022	Telecommunications Equipment Installers and Repairers, Except Line Installers	Manufacturing	Career Cluster
492091	Avionics Technicians	Transportation, Distribution and Logistics	Career Cluster
492092	Electric Motor, Power Tool, and Related Repairers	Manufacturing	Career Cluster
492093	Electrical and Electronics Installers and Repairers, Transportation Equipment	Transportation, Distribution and Logistics	Career Cluster
492094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	Green Economy Sectors; Manufacturing	State Wide
492096	Electronic Equipment Installers and Repairers, Motor Vehicles	Transportation, Distribution and Logistics	Career Cluster
492097	Electronic Home Entertainment Equipment Installers and Repairers	Manufacturing	Career Cluster
492098	Security and Fire Alarm Systems Installers	Manufacturing	Career Cluster
493011	Aircraft Mechanics and Service Technicians	Transportation, Distribution and Logistics	Career Cluster
493021	Automotive Body and Related Repairers	Transportation, Distribution and Logistics	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
493022	Automotive Glass Installers and Repairers	Transportation, Distribution and Logistics	Career Cluster
493023	Automotive Service Technicians and Mechanics	Green Economy Sectors; Transportation, Distribution and Logistics	Regional Demand
493031	Bus and Truck Mechanics and Diesel Engine Specialists	Transportation, Distribution and Logistics	Career Cluster
493041	Farm Equipment Mechanics	Agriculture, Food and Natural Resources	Career Cluster
493042	Mobile Heavy Equipment Mechanics, Except Engines	Transportation, Distribution and Logistics	Career Cluster
493043	Rail Car Repairers	Transportation, Distribution and Logistics	Career Cluster
493051	Motorboat Mechanics	Transportation, Distribution and Logistics	Career Cluster
493052	Motorcycle Mechanics	Transportation, Distribution and Logistics	Career Cluster
493053	Outdoor Power Equipment and Other Small Engine Mechanics	Manufacturing	Career Cluster
493091	Bicycle Repairers	Transportation, Distribution and Logistics	Career Cluster
493092	Recreational Vehicle Service Technicians	Transportation, Distribution and Logistics	Career Cluster
493093	Tire Repairers and Changers	Transportation, Distribution and Logistics	Career Cluster
499021	Heating and Air Conditioning Mechanics and Installers	Green Economy Sectors	Career Cluster
499041	Industrial Machinery Mechanics	Green Economy Sectors; Manufacturing	Career Cluster
499042	Maintenance and Repair Workers, General	Green Economy Sectors; Manufacturing	Career Cluster
499043	Maintenance Workers, Machinery	Manufacturing	Career Cluster
499044	Millwrights	Green Economy Sectors; Manufacturing	Career Cluster
499051	Electrical Power-Line Installers and Repairers	Green Economy Sectors	Career Cluster
499062	Medical Equipment Repairers	Manufacturing	Career Cluster
499063	Musical Instrument Repairers and Tuners	Manufacturing	Career Cluster
499064	Watch Repairers	Manufacturing	Career Cluster
499091	Coin, Vending, and Amusement Machine Servicers and Repairers	Manufacturing	Career Cluster
499092	Commercial Divers	Agriculture, Food and Natural Resources	Career Cluster
499093	Fabric Menders, Except Garment	Manufacturing	Career Cluster
499094	Locksmiths and Safe Repairers	Manufacturing	Career Cluster
499097	Signal and Track Switch Repairers	Transportation, Distribution and Logistics	Career Cluster
499098	Helpers--Installation, Maintenance, and Repair Workers	Green Economy Sectors	Career Cluster
499099	Geothermal Technicians	Green Economy Sectors	Career Cluster
511011	First-Line Supervisors/Managers of Production and Operating Workers	Green Economy Sectors; Manufacturing	Career Cluster
512011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512021	Coil Winders, Tapers, and Finishers	Manufacturing	Career Cluster
512022	Electrical and Electronic Equipment Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512023	Electromechanical Equipment Assemblers	Manufacturing	Career Cluster
512031	Engine and Other Machine Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512041	Structural Metal Fabricators and Fitters	Green Economy Sectors	Career Cluster
512091	Fiberglass Laminators and Fabricators	Manufacturing	Career Cluster
512092	Team Assemblers	Green Economy Sectors; Manufacturing	Regional Demand
512093	Timing Device Assemblers, Adjusters, and Calibrators	Manufacturing	Career Cluster
513021	Butchers and Meat Cutters	Agriculture, Food and Natural Resources	Career Cluster
513022	Meat, Poultry, and Fish Cutters and Trimmers	Agriculture, Food and Natural Resources	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
513023	Slaughterers and Meat Packers	Agriculture, Food and Natural Resources	Career Cluster
513091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	Agriculture, Food and Natural Resources	Career Cluster
513092	Food Batchmakers	Agriculture, Food and Natural Resources	Career Cluster
513093	Food Cooking Machine Operators and Tenders	Agriculture, Food and Natural Resources	Career Cluster
514011	Computer-Controlled Machine Tool Operators, Metal and Plastic	Green Economy Sectors; Manufacturing	Career Cluster
514012	Numerical Tool and Process Control Programmers	Manufacturing	Career Cluster
514021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	Green Economy Sectors; Manufacturing	Career Cluster
514032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Green Economy Sectors; Manufacturing	Career Cluster
514033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514041	Machinists	Green Economy Sectors	Career Cluster
514051	Metal-Refining Furnace Operators and Tenders	Manufacturing	Career Cluster
514052	Pourers and Casters, Metal	Manufacturing	Career Cluster
514061	Model Makers, Metal and Plastic	Manufacturing	Career Cluster
514062	Patternmakers, Metal and Plastic	Manufacturing	Career Cluster
514071	Foundry Mold and Coremakers	Manufacturing	Career Cluster
514072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514111	Tool and Die Makers	Manufacturing	Career Cluster
514121	Welders, Cutters, Solderers, and Brazers	Green Economy Sectors; Manufacturing	Career Cluster
514122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
514191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514192	Lay-Out Workers, Metal and Plastic	Manufacturing	Career Cluster
514193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514194	Tool Grinders, Filers, and Sharpeners	Manufacturing	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
516031	Sewing Machine Operators	Manufacturing	Career Cluster
516041	Shoe and Leather Workers and Repairers	Manufacturing	Career Cluster
516042	Shoe Machine Operators and Tenders	Manufacturing	Career Cluster
516051	Sewers, Hand	Manufacturing	Career Cluster
516061	Textile Bleaching and Dyeing Machine Operators and Tenders	Manufacturing	Career Cluster
516062	Textile Cutting Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
516063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
516064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
516091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	Manufacturing	Career Cluster
516092	Fabric and Apparel Patternmakers	Manufacturing	Career Cluster
516093	Upholsterers	Manufacturing	Career Cluster
517011	Cabinetmakers and Bench Carpenters	Manufacturing	Career Cluster
517021	Furniture Finishers	Manufacturing	Career Cluster
517031	Model Makers, Wood	Manufacturing	Career Cluster
517032	Patternmakers, Wood	Manufacturing	Career Cluster
517041	Sawing Machine Setters, Operators, and Tenders, Wood	Agriculture, Food and Natural Resources	Career Cluster
517042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	Manufacturing	Career Cluster
518011	Nuclear Power Reactor Operators	Green Economy Sectors; Manufacturing	Career Cluster
518012	Power Distributors and Dispatchers	Green Economy Sectors; Manufacturing	Career Cluster
518013	Power Plant Operators	Green Economy Sectors; Manufacturing	Career Cluster
518021	Stationary Engineers and Boiler Operators	Green Economy Sectors	Career Cluster
518031	Water and Liquid Waste Treatment Plant and System Operators	Agriculture, Food and Natural Resources	Career Cluster
518091	Chemical Plant and System Operators	Green Economy Sectors; Manufacturing	Career Cluster
518092	Gas Plant Operators	Agriculture, Food and Natural Resources	Career Cluster
518093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	Agriculture, Food and Natural Resources	Career Cluster
518099	Biofuels Processing Technicians	Green Economy Sectors; Manufacturing	Career Cluster
519011	Chemical Equipment Operators and Tenders	Green Economy Sectors; Manufacturing	Career Cluster
519012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	Green Economy Sectors	Career Cluster
519021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519022	Grinding and Polishing Workers, Hand	Manufacturing	Career Cluster
519023	Mixing and Blending Machine Setters, Operators, and Tenders	Green Economy Sectors; Manufacturing	Career Cluster
519031	Cutters and Trimmers, Hand	Manufacturing	Career Cluster
519032	Cutting and Slicing Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	Manufacturing	Career Cluster
519061	Inspectors, Testers, Sorters, Samplers, and Weighers	Green Economy Sectors; Manufacturing	Career Cluster

# Demand Occupation List

## Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
519071	Jewelers and Precious Stone and Metal Workers	Manufacturing	Career Cluster
519081	Dental Laboratory Technicians	Health Science	Career Cluster
519082	Medical Appliance Technicians	Manufacturing	Career Cluster
519083	Ophthalmic Laboratory Technicians	Health Science	Career Cluster
519111	Packaging and Filling Machine Operators and Tenders	Manufacturing	Career Cluster
519121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519122	Painters, Transportation Equipment	Manufacturing	Career Cluster
519123	Painting, Coating, and Decorating Workers	Manufacturing	Career Cluster
519131	Photographic Process Workers	Manufacturing	Career Cluster
519132	Photographic Processing Machine Operators	Manufacturing	Career Cluster
519141	Semiconductor Processors	Manufacturing	Career Cluster
519191	Cementing and Gluing Machine Operators and Tenders	Manufacturing	Career Cluster
519192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	Manufacturing	Career Cluster
519193	Cooling and Freezing Equipment Operators and Tenders	Manufacturing	Career Cluster
519194	Etchers and Engravers	Manufacturing	Career Cluster
519195	Molders, Shapers, and Casters, Except Metal and Plastic	Manufacturing	Career Cluster
519196	Paper Goods Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519197	Tire Builders	Manufacturing	Career Cluster
519198	Helpers--Production Workers	Manufacturing	Career Cluster
519199	Recycling and Reclamation Workers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
531011	Aircraft Cargo Handling Supervisors	Transportation, Distribution and Logistics	Career Cluster
531021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	Agriculture, Food and Natural Resources; Green Economy Sectors	State Wide
531031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	Transportation, Distribution and Logistics	Career Cluster
532011	Airline Pilots, Copilots, and Flight Engineers	Transportation, Distribution and Logistics	Career Cluster
532012	Commercial Pilots	Transportation, Distribution and Logistics	Career Cluster
532021	Air Traffic Controllers	Transportation, Distribution and Logistics	Career Cluster
532022	Airfield Operations Specialists	Transportation, Distribution and Logistics	Career Cluster
533011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	Transportation, Distribution and Logistics	Career Cluster
533021	Bus Drivers, Transit and Intercity	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
533022	Bus Drivers, School	Transportation, Distribution and Logistics	Career Cluster
533032	Truck Drivers, Heavy and Tractor-Trailer	Green Economy Sectors; Transportation, Distribution and Logistics	Regional Demand
533033	Truck Drivers, Light or Delivery Services	Transportation, Distribution and Logistics	Career Cluster
533041	Taxi Drivers and Chauffeurs	Transportation, Distribution and Logistics	Career Cluster



## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
534011	Locomotive Engineers	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
534012	Locomotive Firers	Transportation, Distribution and Logistics	Career Cluster
534013	Rail Yard Engineers, Dinkey Operators, and Hostlers	Transportation, Distribution and Logistics	Career Cluster
534021	Railroad Brake, Signal, and Switch Operators	Transportation, Distribution and Logistics	Career Cluster
534031	Railroad Conductors and Yardmasters	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
534041	Subway and Streetcar Operators	Transportation, Distribution and Logistics	Career Cluster
535011	Sailors and Marine Oilers	Transportation, Distribution and Logistics	Career Cluster
535021	Captains, Mates, and Pilots of Water Vessels	Transportation, Distribution and Logistics	Career Cluster
535022	Motorboat Operators	Transportation, Distribution and Logistics	Career Cluster
535031	Ship Engineers	Transportation, Distribution and Logistics	Career Cluster
536011	Bridge and Lock Tenders	Transportation, Distribution and Logistics	Career Cluster
536041	Traffic Technicians	Transportation, Distribution and Logistics	Career Cluster
536051	Aviation Inspectors	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
537033	Loading Machine Operators, Underground Mining	Agriculture, Food and Natural Resources	Career Cluster
537051	Industrial Truck and Tractor Operators	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
537061	Cleaners of Vehicles and Equipment	Transportation, Distribution and Logistics	Career Cluster
537062	Laborers and Freight, Stock, and Material Movers, Hand	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
537063	Machine Feeders and Offbearers	Manufacturing	Career Cluster
537064	Packers and Packagers, Hand	Transportation, Distribution and Logistics	Career Cluster
537071	Gas Compressor and Gas Pumping Station Operators	Agriculture, Food and Natural Resources	Career Cluster
537072	Pump Operators, Except Wellhead Pumpers	Agriculture, Food and Natural Resources	Career Cluster
537073	Wellhead Pumpers	Agriculture, Food and Natural Resources	Career Cluster
537081	Refuse and Recyclable Material Collectors	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
537111	Shuttle Car Operators	Agriculture, Food and Natural Resources	Career Cluster
537121	Tank Car, Truck, and Ship Loaders	Transportation, Distribution and Logistics	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
111011	Chief Sustainability Officers	Green Economy Sectors	Career Cluster
111021	General and Operations Managers	Green Economy Sectors	State Wide
112011	Green Marketers	Green Economy Sectors	Career Cluster
112021	Marketing Managers	Green Economy Sectors	Career Cluster
113021	Computer and Information Systems Managers	Information Technology	Career Cluster
113031	Financial Managers, Branch or Department	Agriculture, Food and Natural Resources	Career Cluster
113051	Industrial Production Managers	Green Economy Sectors; Manufacturing	Career Cluster
113071	Transportation Managers	Green Economy Sectors; Transportation, Distribution and Logistics	State Wide
119011	Farm, Ranch, and Other Agricultural Managers	Agriculture, Food and Natural Resources	Career Cluster
119012	Farmers and Ranchers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
119021	Construction Managers	Green Economy Sectors	Career Cluster
119032	Education Administrators, Elementary and Secondary School	Other	State Wide
119041	Engineering Managers	Green Economy Sectors	Career Cluster
119111	Clinical Nurse Specialists	Health Science	Career Cluster
119121	Clinical Research Coordinators	Agriculture, Food and Natural Resources; Green Economy Sectors; Health Science	Career Cluster
119199	Supply Chain Managers	Green Economy Sectors; Transportation, Distribution and Logistics	Regional Demand
131021	Purchasing Agents and Buyers, Farm Products	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
131022	Wholesale and Retail Buyers, Except Farm Products	Green Economy Sectors	Career Cluster
131023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	Manufacturing	Career Cluster
131031	Claims Adjusters, Examiners, and Investigators	Other	State Wide
131041	Regulatory Affairs Specialists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
131073	Training and Development Specialists	Green Economy Sectors	Career Cluster
131081	Logisticians	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
131111	Management Analysts	Other	State Wide
131199	Customs Brokers	Green Economy Sectors; Transportation, Distribution and Logistics	State Wide
132011	Accountants and Auditors	Other	State Wide
132051	Financial Analysts	Green Economy Sectors	Career Cluster
132052	Personal Financial Advisors	Green Economy Sectors	Career Cluster
132099	Financial Quantitative Analysts	Green Economy Sectors	Career Cluster
151021	Computer Programmers	Information Technology	Career Cluster
151031	Computer Software Engineers, Applications	Information Technology	State Wide
151032	Computer Software Engineers, Systems Software	Green Economy Sectors; Information Technology	Career Cluster

# Demand Occupation List

## Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
151041	Computer Support Specialists	Information Technology	State Wide
151051	Computer Systems Analysts	Health Science; Information Technology	State Wide
151061	Database Administrators	Information Technology	Career Cluster
151071	Network and Computer Systems Administrators	Information Technology	State Wide
151081	Network Systems and Data Communications Analysts	Information Technology	State Wide
151099	Computer Specialists, All Other	Green Economy Sectors; Information Technology	State Wide
152041	Clinical Data Managers	Health Science	Career Cluster
152091	Mathematical Technicians	Health Science	Career Cluster
171011	Architects, Except Landscape and Naval	Green Economy Sectors	Career Cluster
171012	Landscape Architects	Green Economy Sectors	Career Cluster
171021	Cartographers and Photogrammetrists	Agriculture, Food and Natural Resources	Career Cluster
172011	Aerospace Engineers	Green Economy Sectors	State Wide
172031	Biomedical Engineers	Health Science	Career Cluster
172041	Chemical Engineers	Green Economy Sectors	Career Cluster
172051	Civil Engineers	Green Economy Sectors	State Wide
172071	Electrical Engineers	Green Economy Sectors	Career Cluster
172072	Electronics Engineers, Except Computer	Green Economy Sectors	State Wide
172081	Environmental Engineers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
172111	Industrial Safety and Health Engineers	Green Economy Sectors	Career Cluster
172112	Industrial Engineers	Green Economy Sectors	Career Cluster
172141	Mechanical Engineers	Green Economy Sectors	State Wide
172161	Nuclear Engineers	Green Economy Sectors	Career Cluster
172199	Biochemical Engineers	Green Economy Sectors	Career Cluster
173011	Architectural Drafters	Green Economy Sectors	Career Cluster
173021	Aerospace Engineering and Operations Technicians	Transportation, Distribution and Logistics	Career Cluster
173023	Electronics Engineering Technicians	Green Economy Sectors	Career Cluster
173024	Robotics Technicians	Green Economy Sectors; Manufacturing	Career Cluster
173025	Environmental Engineering Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
173026	Industrial Engineering Technicians	Green Economy Sectors; Manufacturing	Career Cluster
173027	Mechanical Engineering Technicians	Green Economy Sectors; Manufacturing	Career Cluster
173029	Photonics Technicians	Green Economy Sectors	Career Cluster
191011	Animal Scientists	Agriculture, Food and Natural Resources	Career Cluster
191012	Food Scientists and Technologists	Agriculture, Food and Natural Resources	Career Cluster
191013	Soil and Plant Scientists	Agriculture, Food and Natural Resources	Career Cluster
191020	Biologists	Health Science	Career Cluster
191023	Zoologists and Wildlife Biologists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster

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## Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
191031	Soil and Water Conservationists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
191032	Foresters	Agriculture, Food and Natural Resources	Career Cluster
191041	Epidemiologists	Health Science	Career Cluster
191042	Medical Scientists, Except Epidemiologists	Health Science	Career Cluster
192021	Atmospheric and Space Scientists	Green Economy Sectors	Career Cluster
192031	Chemists	Green Economy Sectors	State Wide
192032	Materials Scientists	Green Economy Sectors	Career Cluster
192041	Environmental Scientists and Specialists, Including Health	Green Economy Sectors	Career Cluster
192042	Geoscientists, Except Hydrologists and Geographers	Green Economy Sectors	Career Cluster
192043	Hydrologists	Green Economy Sectors	Career Cluster
192099	Remote Sensing Scientists and Technologists	Green Economy Sectors	Career Cluster
193011	Environmental Economists	Green Economy Sectors	Career Cluster
193031	Clinical Psychologists	Health Science	Career Cluster
193039	Neuropsychologists and Clinical Neuropsychologists	Health Science	Career Cluster
193051	Urban and Regional Planners	Green Economy Sectors	Career Cluster
193099	Transportation Planners	Green Economy Sectors	Career Cluster
194011	Agricultural Technicians	Green Economy Sectors	Career Cluster
194031	Chemical Technicians	Green Economy Sectors	Career Cluster
194041	Geophysical Data Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
194051	Nuclear Equipment Operation Technicians	Green Economy Sectors	Career Cluster
194091	Environmental Science and Protection Technicians, Including Health	Agriculture, Food and Natural Resources	Career Cluster
194093	Forest and Conservation Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
194099	Precision Agriculture Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
211021	Child, Family, and School Social Workers	Other	Regional Demand
211023	Mental Health and Substance Abuse Social Workers	Health Science	Career Cluster
211091	Health Educators	Health Science	Career Cluster
231011	Lawyers	Other	Regional Demand
231022	Arbitrators, Mediators, and Conciliators	Green Economy Sectors	Career Cluster
251041	Agricultural Sciences Teachers, Postsecondary	Agriculture, Food and Natural Resources	Career Cluster
252021	Elementary School Teachers, Except Special Education	Other	State Wide
252022	Middle School Teachers, Except Special and Vocational Education	Other	State Wide
252031	Secondary School Teachers, Except Special and Vocational Education	Other	State Wide
252041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	Other	Regional Demand
259021	Farm and Home Management Advisors	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
271021	Commercial and Industrial Designers	Green Economy Sectors	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
273022	Reporters and Correspondents	Green Economy Sectors	Career Cluster
273031	Public Relations Specialists	Green Economy Sectors	Career Cluster
291011	Chiropractors	Health Science	Career Cluster
291021	Dentists, General	Health Science	Career Cluster
291022	Oral and Maxillofacial Surgeons	Health Science	Career Cluster
291023	Orthodontists	Health Science	Career Cluster
291024	Prosthodontists	Health Science	Career Cluster
291031	Dietitians and Nutritionists	Health Science	Career Cluster
291041	Optometrists	Health Science	Career Cluster
291051	Pharmacists	Health Science	Career Cluster
291061	Anesthesiologists	Health Science	Career Cluster
291062	Family and General Practitioners	Health Science	Career Cluster
291063	Internists, General	Health Science	Career Cluster
291064	Obstetricians and Gynecologists	Health Science	Career Cluster
291065	Pediatricians, General	Health Science	Career Cluster
291066	Psychiatrists	Health Science	Career Cluster
291067	Surgeons	Health Science	Career Cluster
291069	Physicians and Surgeons, All Other	Health Science	Career Cluster
291071	Physician Assistants	Health Science	Career Cluster
291081	Podiatrists	Health Science	Career Cluster
291111	Registered Nurses	Health Science	Regional Demand
291121	Audiologists	Health Science	Career Cluster
291122	Occupational Therapists	Health Science	Career Cluster
291123	Physical Therapists	Health Science	Career Cluster
291124	Radiation Therapists	Health Science	Career Cluster
291125	Recreational Therapists	Health Science	Career Cluster
291126	Respiratory Therapists	Health Science	State Wide
291127	Speech-Language Pathologists	Health Science	Career Cluster
291131	Veterinarians	Agriculture, Food and Natural Resources	Career Cluster
291199	Health Diagnosing and Treating Practitioners, All Other	Health Science	Career Cluster
292011	Medical and Clinical Laboratory Technologists	Health Science	State Wide
292012	Medical and Clinical Laboratory Technicians	Health Science	Career Cluster
292021	Dental Hygienists	Health Science	State Wide
292031	Cardiovascular Technologists and Technicians	Health Science	Career Cluster
292032	Diagnostic Medical Sonographers	Health Science	Career Cluster
292033	Nuclear Medicine Technologists	Health Science	Career Cluster
292034	Radiologic Technologists and Technicians	Health Science	State Wide
292041	Emergency Medical Technicians and Paramedics	Law, Public Safety, Corrections and Security	State Wide
292051	Dietetic Technicians	Health Science	Career Cluster
292052	Pharmacy Technicians	Health Science	Career Cluster
292053	Psychiatric Technicians	Health Science	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
292054	Respiratory Therapy Technicians	Health Science	Career Cluster
292055	Surgical Technologists	Health Science	State Wide
292056	Veterinary Technologists and Technicians	Agriculture, Food and Natural Resources	Career Cluster
292061	Licensed Practical and Licensed Vocational Nurses	Health Science	Regional Demand
292071	Medical Records and Health Information Technicians	Health Science	Career Cluster
292081	Opticians, Dispensing	Health Science	Career Cluster
292091	Orthotists and Prosthetists	Health Science	Career Cluster
292099	Health Technologists and Technicians, All Other	Health Science	Career Cluster
299011	Occupational Health and Safety Specialists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
299012	Occupational Health and Safety Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
299091	Athletic Trainers	Health Science	Career Cluster
299099	Midwives	Health Science	Career Cluster
311011	Home Health Aides	Health Science	Career Cluster
311012	Nursing Aides, Orderlies, and Attendants	Health Science	Career Cluster
311013	Psychiatric Aides	Health Science	Career Cluster
312011	Occupational Therapist Assistants	Health Science	Career Cluster
312012	Occupational Therapist Aides	Health Science	Career Cluster
312021	Physical Therapist Assistants	Health Science	State Wide
312022	Physical Therapist Aides	Health Science	Career Cluster
319091	Dental Assistants	Health Science	Career Cluster
319092	Medical Assistants	Health Science	Regional Demand
319093	Medical Equipment Preparers	Health Science	Career Cluster
319094	Medical Transcriptionists	Health Science	Career Cluster
319095	Pharmacy Aides	Health Science	Career Cluster
319096	Veterinary Assistants and Laboratory Animal Caretakers	Agriculture, Food and Natural Resources	Career Cluster
319099	Healthcare Support Workers, All Other	Health Science	Career Cluster
333012	Correctional Officers and Jailers	Other	State Wide
333031	Fish and Game Wardens	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
333051	Police and Sheriff's Patrol Officers	Other	State Wide
371012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	Agriculture, Food and Natural Resources	Career Cluster
372021	Pest Control Workers	Agriculture, Food and Natural Resources	Career Cluster
373012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	Agriculture, Food and Natural Resources	Career Cluster
373013	Tree Trimmers and Pruners	Agriculture, Food and Natural Resources	Career Cluster
392021	Nonfarm Animal Caretakers	Agriculture, Food and Natural Resources	Career Cluster
396031	Flight Attendants	Transportation, Distribution and Logistics	Career Cluster
411011	First-Line Supervisors/Managers of Retail Sales Workers	Agriculture, Food and Natural Resources	Regional Demand
412022	Parts Salespersons	Agriculture, Food and Natural Resources	Career Cluster



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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
413031	Securities and Commodities Traders	Green Economy Sectors	Career Cluster
413099	Energy Brokers	Green Economy Sectors	Regional Demand
414011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	Green Economy Sectors	State Wide
414012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	Other	State Wide
431011	First-Line Supervisors/Managers of Office and Administrative Support Workers	Other	State Wide
433021	Billing and Posting Clerks and Machine Operators	Health Science	Career Cluster
433031	Bookkeeping, Accounting, and Auditing Clerks	Other	Regional Demand
434051	Patient Representatives	Green Economy Sectors	Career Cluster
435011	Cargo and Freight Agents	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
435032	Dispatchers, Except Police, Fire, and Ambulance	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
435061	Production, Planning, and Expediting Clerks	Green Economy Sectors; Manufacturing	Career Cluster
435071	Shipping, Receiving, and Traffic Clerks	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
435111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	Manufacturing	Career Cluster
436011	Executive Secretaries and Administrative Assistants	Other	State Wide
451011	First-Line Supervisors/Managers of Logging Workers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
451012	Farm Labor Contractors	Agriculture, Food and Natural Resources	Career Cluster
452011	Agricultural Inspectors	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
452021	Animal Breeders	Agriculture, Food and Natural Resources	Career Cluster
452041	Graders and Sorters, Agricultural Products	Agriculture, Food and Natural Resources	Career Cluster
452091	Agricultural Equipment Operators	Agriculture, Food and Natural Resources	Career Cluster
452092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	Agriculture, Food and Natural Resources	Career Cluster
452093	Farmworkers, Farm and Ranch Animals	Agriculture, Food and Natural Resources	Career Cluster
453011	Fishers and Related Fishing Workers	Agriculture, Food and Natural Resources	Career Cluster
453021	Hunters and Trappers	Agriculture, Food and Natural Resources	Career Cluster
454011	Forest and Conservation Workers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
454021	Fallers	Agriculture, Food and Natural Resources	Career Cluster
454022	Logging Equipment Operators	Agriculture, Food and Natural Resources	Career Cluster
454023	Log Graders and Scalers	Agriculture, Food and Natural Resources	Career Cluster
471011	Solar Energy Installation Managers	Green Economy Sectors; Manufacturing	Career Cluster
472011	Boilermakers	Other	Career Cluster
472031	Construction Carpenters	Green Economy Sectors	Regional Demand
472051	Cement Masons and Concrete Finishers	Green Economy Sectors	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
472061	Construction Laborers	Green Economy Sectors	Regional Demand
472073	Operating Engineers and Other Construction Equipment Operators	Green Economy Sectors	Career Cluster
472111	Electricians	Green Economy Sectors	State Wide
472131	Insulation Workers, Floor, Ceiling, and Wall	Green Economy Sectors	Career Cluster
472152	Pipe Fitters and Steamfitters	Green Economy Sectors	State Wide
472181	Roofers	Green Economy Sectors	Career Cluster
472211	Sheet Metal Workers	Green Economy Sectors	Career Cluster
472221	Structural Iron and Steel Workers	Green Economy Sectors	Career Cluster
473012	Helpers--Carpenters	Green Economy Sectors	Career Cluster
474011	Construction and Building Inspectors	Green Economy Sectors	Career Cluster
474041	Hazardous Materials Removal Workers	Green Economy Sectors	Career Cluster
474061	Rail-Track Laying and Maintenance Equipment Operators	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
474099	Solar Photovoltaic Installers	Green Economy Sectors	Career Cluster
475011	Derrick Operators, Oil and Gas	Agriculture, Food and Natural Resources	Career Cluster
475012	Rotary Drill Operators, Oil and Gas	Agriculture, Food and Natural Resources	Career Cluster
475013	Service Unit Operators, Oil, Gas, and Mining	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
475031	Explosives Workers, Ordnance Handling Experts, and Blasters	Agriculture, Food and Natural Resources	Career Cluster
475041	Continuous Mining Machine Operators	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
475042	Mine Cutting and Channeling Machine Operators	Agriculture, Food and Natural Resources	Career Cluster
475051	Rock Splitters, Quarry	Agriculture, Food and Natural Resources	Career Cluster
475061	Roof Bolters, Mining	Agriculture, Food and Natural Resources	Career Cluster
475071	Roustabouts, Oil and Gas	Agriculture, Food and Natural Resources	Career Cluster
475081	Helpers--Extraction Workers	Agriculture, Food and Natural Resources	Career Cluster
491011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	Green Economy Sectors; Manufacturing	State Wide
492011	Computer, Automated Teller, and Office Machine Repairers	Manufacturing	Career Cluster
492021	Radio Mechanics	Manufacturing	Career Cluster
492022	Telecommunications Equipment Installers and Repairers, Except Line Installers	Manufacturing	Career Cluster
492091	Avionics Technicians	Transportation, Distribution and Logistics	Career Cluster
492092	Electric Motor, Power Tool, and Related Repairers	Manufacturing	Career Cluster
492093	Electrical and Electronics Installers and Repairers, Transportation Equipment	Transportation, Distribution and Logistics	Career Cluster
492094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	Green Economy Sectors; Manufacturing	State Wide
492096	Electronic Equipment Installers and Repairers, Motor Vehicles	Transportation, Distribution and Logistics	Career Cluster
492097	Electronic Home Entertainment Equipment Installers and Repairers	Manufacturing	Career Cluster
492098	Security and Fire Alarm Systems Installers	Manufacturing	Career Cluster

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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
493011	Aircraft Mechanics and Service Technicians	Transportation, Distribution and Logistics	Career Cluster
493021	Automotive Body and Related Repairers	Transportation, Distribution and Logistics	Career Cluster
493022	Automotive Glass Installers and Repairers	Transportation, Distribution and Logistics	Career Cluster
493023	Automotive Service Technicians and Mechanics	Green Economy Sectors; Transportation, Distribution and Logistics	Regional Demand
493031	Bus and Truck Mechanics and Diesel Engine Specialists	Transportation, Distribution and Logistics	Career Cluster
493041	Farm Equipment Mechanics	Agriculture, Food and Natural Resources	Career Cluster
493042	Mobile Heavy Equipment Mechanics, Except Engines	Transportation, Distribution and Logistics	Career Cluster
493043	Rail Car Repairers	Transportation, Distribution and Logistics	Career Cluster
493051	Motorboat Mechanics	Transportation, Distribution and Logistics	Career Cluster
493052	Motorcycle Mechanics	Transportation, Distribution and Logistics	Career Cluster
493053	Outdoor Power Equipment and Other Small Engine Mechanics	Manufacturing	Career Cluster
493091	Bicycle Repairers	Transportation, Distribution and Logistics	Career Cluster
493092	Recreational Vehicle Service Technicians	Transportation, Distribution and Logistics	Career Cluster
493093	Tire Repairers and Changers	Transportation, Distribution and Logistics	Career Cluster
499021	Heating and Air Conditioning Mechanics and Installers	Green Economy Sectors	Career Cluster
499041	Industrial Machinery Mechanics	Green Economy Sectors; Manufacturing	Career Cluster
499042	Maintenance and Repair Workers, General	Green Economy Sectors; Manufacturing	Career Cluster
499043	Maintenance Workers, Machinery	Manufacturing	Career Cluster
499044	Millwrights	Green Economy Sectors; Manufacturing	Career Cluster
499051	Electrical Power-Line Installers and Repairers	Green Economy Sectors	Career Cluster
499062	Medical Equipment Repairers	Manufacturing	Career Cluster
499063	Musical Instrument Repairers and Tuners	Manufacturing	Career Cluster
499064	Watch Repairers	Manufacturing	Career Cluster
499091	Coin, Vending, and Amusement Machine Servicers and Repairers	Manufacturing	Career Cluster
499092	Commercial Divers	Agriculture, Food and Natural Resources	Career Cluster
499093	Fabric Menders, Except Garment	Manufacturing	Career Cluster
499094	Locksmiths and Safe Repairers	Manufacturing	Career Cluster
499097	Signal and Track Switch Repairers	Transportation, Distribution and Logistics	Career Cluster
499098	Helpers--Installation, Maintenance, and Repair Workers	Green Economy Sectors	Career Cluster
499099	Geothermal Technicians	Green Economy Sectors	Career Cluster
511011	First-Line Supervisors/Managers of Production and Operating Workers	Green Economy Sectors; Manufacturing	Career Cluster
512011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512021	Coil Winders, Tapers, and Finishers	Manufacturing	Career Cluster
512022	Electrical and Electronic Equipment Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512023	Electromechanical Equipment Assemblers	Manufacturing	Career Cluster
512031	Engine and Other Machine Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512041	Structural Metal Fabricators and Fitters	Green Economy Sectors	Career Cluster
512091	Fiberglass Laminators and Fabricators	Manufacturing	Career Cluster
512092	Team Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512093	Timing Device Assemblers, Adjusters, and Calibrators	Manufacturing	Career Cluster

## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
513021	Butchers and Meat Cutters	Agriculture, Food and Natural Resources	Career Cluster
513022	Meat, Poultry, and Fish Cutters and Trimmers	Agriculture, Food and Natural Resources	Career Cluster
513023	Slaughterers and Meat Packers	Agriculture, Food and Natural Resources	Career Cluster
513091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	Agriculture, Food and Natural Resources	Career Cluster
513092	Food Batchmakers	Agriculture, Food and Natural Resources	Career Cluster
513093	Food Cooking Machine Operators and Tenders	Agriculture, Food and Natural Resources	Career Cluster
514011	Computer-Controlled Machine Tool Operators, Metal and Plastic	Green Economy Sectors; Manufacturing	Career Cluster
514012	Numerical Tool and Process Control Programmers	Manufacturing	Career Cluster
514021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	Green Economy Sectors; Manufacturing	Career Cluster
514032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Green Economy Sectors; Manufacturing	Career Cluster
514033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514041	Machinists	Green Economy Sectors	Career Cluster
514051	Metal-Refining Furnace Operators and Tenders	Manufacturing	Career Cluster
514052	Pourers and Casters, Metal	Manufacturing	Career Cluster
514061	Model Makers, Metal and Plastic	Manufacturing	Career Cluster
514062	Patternmakers, Metal and Plastic	Manufacturing	Career Cluster
514071	Foundry Mold and Coremakers	Manufacturing	Career Cluster
514072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514111	Tool and Die Makers	Manufacturing	Career Cluster
514121	Welders, Cutters, Solderers, and Brazers	Green Economy Sectors; Manufacturing	Career Cluster
514122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
514191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514192	Lay-Out Workers, Metal and Plastic	Manufacturing	Career Cluster

# Demand Occupation List

## Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
514193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514194	Tool Grinders, Filers, and Sharpeners	Manufacturing	Career Cluster
516031	Sewing Machine Operators	Manufacturing	Career Cluster
516041	Shoe and Leather Workers and Repairers	Manufacturing	Career Cluster
516042	Shoe Machine Operators and Tenders	Manufacturing	Career Cluster
516051	Sewers, Hand	Manufacturing	Career Cluster
516061	Textile Bleaching and Dyeing Machine Operators and Tenders	Manufacturing	Career Cluster
516062	Textile Cutting Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
516063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
516064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
516091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	Manufacturing	Career Cluster
516092	Fabric and Apparel Patternmakers	Manufacturing	Career Cluster
516093	Upholsterers	Manufacturing	Career Cluster
517011	Cabinetmakers and Bench Carpenters	Manufacturing	Career Cluster
517021	Furniture Finishers	Manufacturing	Career Cluster
517031	Model Makers, Wood	Manufacturing	Career Cluster
517032	Patternmakers, Wood	Manufacturing	Career Cluster
517041	Sawing Machine Setters, Operators, and Tenders, Wood	Agriculture, Food and Natural Resources	Career Cluster
517042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	Manufacturing	Career Cluster
518011	Nuclear Power Reactor Operators	Green Economy Sectors; Manufacturing	Career Cluster
518012	Power Distributors and Dispatchers	Green Economy Sectors; Manufacturing	Career Cluster
518013	Power Plant Operators	Green Economy Sectors; Manufacturing	Career Cluster
518021	Stationary Engineers and Boiler Operators	Green Economy Sectors	Career Cluster
518031	Water and Liquid Waste Treatment Plant and System Operators	Agriculture, Food and Natural Resources	Career Cluster
518091	Chemical Plant and System Operators	Green Economy Sectors; Manufacturing	Career Cluster
518092	Gas Plant Operators	Agriculture, Food and Natural Resources	Career Cluster
518093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	Agriculture, Food and Natural Resources	Career Cluster
518099	Biofuels Processing Technicians	Green Economy Sectors; Manufacturing	Career Cluster
519011	Chemical Equipment Operators and Tenders	Green Economy Sectors; Manufacturing	Career Cluster
519012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	Green Economy Sectors	Career Cluster
519021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519022	Grinding and Polishing Workers, Hand	Manufacturing	Career Cluster
519023	Mixing and Blending Machine Setters, Operators, and Tenders	Green Economy Sectors; Manufacturing	Career Cluster
519031	Cutters and Trimmers, Hand	Manufacturing	Career Cluster
519032	Cutting and Slicing Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster

## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
519041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	Manufacturing	Career Cluster
519061	Inspectors, Testers, Sorters, Samplers, and Weighers	Green Economy Sectors; Manufacturing	Career Cluster
519071	Jewelers and Precious Stone and Metal Workers	Manufacturing	Career Cluster
519081	Dental Laboratory Technicians	Health Science	Career Cluster
519082	Medical Appliance Technicians	Manufacturing	Career Cluster
519083	Ophthalmic Laboratory Technicians	Health Science	Career Cluster
519111	Packaging and Filling Machine Operators and Tenders	Manufacturing	Career Cluster
519121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519122	Painters, Transportation Equipment	Manufacturing	Career Cluster
519123	Painting, Coating, and Decorating Workers	Manufacturing	Career Cluster
519131	Photographic Process Workers	Manufacturing	Career Cluster
519132	Photographic Processing Machine Operators	Manufacturing	Career Cluster
519141	Semiconductor Processors	Manufacturing	Career Cluster
519191	Cementing and Gluing Machine Operators and Tenders	Manufacturing	Career Cluster
519192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	Manufacturing	Career Cluster
519193	Cooling and Freezing Equipment Operators and Tenders	Manufacturing	Career Cluster
519194	Etchers and Engravers	Manufacturing	Career Cluster
519195	Molders, Shapers, and Casters, Except Metal and Plastic	Manufacturing	Career Cluster
519196	Paper Goods Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519197	Tire Builders	Manufacturing	Career Cluster
519198	Helpers--Production Workers	Manufacturing	Career Cluster
519199	Recycling and Reclamation Workers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
531011	Aircraft Cargo Handling Supervisors	Transportation, Distribution and Logistics	Career Cluster
531021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	Agriculture, Food and Natural Resources; Green Economy Sectors	State Wide
531031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	Transportation, Distribution and Logistics	Career Cluster
532011	Airline Pilots, Copilots, and Flight Engineers	Transportation, Distribution and Logistics	Career Cluster
532012	Commercial Pilots	Transportation, Distribution and Logistics	Career Cluster
532021	Air Traffic Controllers	Transportation, Distribution and Logistics	Career Cluster
532022	Airfield Operations Specialists	Transportation, Distribution and Logistics	Career Cluster
533011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	Transportation, Distribution and Logistics	Career Cluster
533021	Bus Drivers, Transit and Intercity	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
533022	Bus Drivers, School	Transportation, Distribution and Logistics	Career Cluster



**Demand Occupation List**  
**Career Cluster and Regional Demand**

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
533032	Truck Drivers, Heavy and Tractor-Trailer	Green Economy Sectors; Transportation, Distribution and Logistics	Regional Demand
533033	Truck Drivers, Light or Delivery Services	Transportation, Distribution and Logistics	Career Cluster
533041	Taxi Drivers and Chauffeurs	Transportation, Distribution and Logistics	Career Cluster
534011	Locomotive Engineers	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
534012	Locomotive Firers	Transportation, Distribution and Logistics	Career Cluster
534013	Rail Yard Engineers, Dinkey Operators, and Hostlers	Transportation, Distribution and Logistics	Career Cluster
534021	Railroad Brake, Signal, and Switch Operators	Transportation, Distribution and Logistics	Career Cluster
534031	Railroad Conductors and Yardmasters	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
534041	Subway and Streetcar Operators	Transportation, Distribution and Logistics	Career Cluster
535011	Sailors and Marine Oilers	Transportation, Distribution and Logistics	Career Cluster
535021	Captains, Mates, and Pilots of Water Vessels	Transportation, Distribution and Logistics	Career Cluster
535022	Motorboat Operators	Transportation, Distribution and Logistics	Career Cluster
535031	Ship Engineers	Transportation, Distribution and Logistics	Career Cluster
536011	Bridge and Lock Tenders	Transportation, Distribution and Logistics	Career Cluster
536041	Traffic Technicians	Transportation, Distribution and Logistics	Career Cluster
536051	Aviation Inspectors	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
537033	Loading Machine Operators, Underground Mining	Agriculture, Food and Natural Resources	Career Cluster
537051	Industrial Truck and Tractor Operators	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
537061	Cleaners of Vehicles and Equipment	Transportation, Distribution and Logistics	Career Cluster
537062	Laborers and Freight, Stock, and Material Movers, Hand	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
537063	Machine Feeders and Offbearers	Manufacturing	Career Cluster
537064	Packers and Packagers, Hand	Transportation, Distribution and Logistics	Career Cluster
537071	Gas Compressor and Gas Pumping Station Operators	Agriculture, Food and Natural Resources	Career Cluster
537072	Pump Operators, Except Wellhead Pumps	Agriculture, Food and Natural Resources	Career Cluster
537073	Wellhead Pumps	Agriculture, Food and Natural Resources	Career Cluster
537081	Refuse and Recyclable Material Collectors	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
537111	Shuttle Car Operators	Agriculture, Food and Natural Resources	Career Cluster
537121	Tank Car, Truck, and Ship Loaders	Transportation, Distribution and Logistics	Career Cluster

## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
111011	Chief Sustainability Officers	Green Economy Sectors	Career Cluster
111021	General and Operations Managers	Green Economy Sectors	State Wide
112011	Green Marketers	Green Economy Sectors	Career Cluster
112021	Marketing Managers	Green Economy Sectors	Career Cluster
113021	Computer and Information Systems Managers	Information Technology	Career Cluster
113031	Financial Managers, Branch or Department	Agriculture, Food and Natural Resources	Career Cluster
113051	Industrial Production Managers	Green Economy Sectors; Manufacturing	Career Cluster
113071	Transportation Managers	Green Economy Sectors; Transportation, Distribution and Logistics	State Wide
119011	Farm, Ranch, and Other Agricultural Managers	Agriculture, Food and Natural Resources	Career Cluster
119012	Farmers and Ranchers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
119021	Construction Managers	Green Economy Sectors	Career Cluster
119032	Education Administrators, Elementary and Secondary School	Other	State Wide
119041	Engineering Managers	Green Economy Sectors	Career Cluster
119111	Clinical Nurse Specialists	Health Science	Career Cluster
119121	Clinical Research Coordinators	Agriculture, Food and Natural Resources; Green Economy Sectors; Health Science	Career Cluster
119199	Supply Chain Managers	Green Economy Sectors; Transportation, Distribution and Logistics	Regional Demand
131021	Purchasing Agents and Buyers, Farm Products	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
131022	Wholesale and Retail Buyers, Except Farm Products	Green Economy Sectors	Career Cluster
131023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	Manufacturing	Career Cluster
131031	Claims Adjusters, Examiners, and Investigators	Other	State Wide
131041	Regulatory Affairs Specialists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
131073	Training and Development Specialists	Green Economy Sectors	Career Cluster
131081	Logisticians	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
131111	Management Analysts	Other	State Wide
131199	Customs Brokers	Green Economy Sectors; Transportation, Distribution and Logistics	State Wide
132011	Accountants and Auditors	Other	State Wide
132051	Financial Analysts	Green Economy Sectors	Career Cluster
132052	Personal Financial Advisors	Green Economy Sectors	Career Cluster
132099	Financial Quantitative Analysts	Green Economy Sectors	Career Cluster
151021	Computer Programmers	Information Technology	Career Cluster
151031	Computer Software Engineers, Applications	Information Technology	State Wide
151032	Computer Software Engineers, Systems Software	Green Economy Sectors; Information Technology	Career Cluster

## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
151041	Computer Support Specialists	Information Technology	State Wide
151051	Computer Systems Analysts	Health Science; Information Technology	State Wide
151061	Database Administrators	Information Technology	Career Cluster
151071	Network and Computer Systems Administrators	Information Technology	State Wide
151081	Network Systems and Data Communications Analysts	Information Technology	State Wide
151099	Computer Specialists, All Other	Green Economy Sectors; Information Technology	State Wide
152041	Clinical Data Managers	Health Science	Career Cluster
152091	Mathematical Technicians	Health Science	Career Cluster
171011	Architects, Except Landscape and Naval	Green Economy Sectors	Career Cluster
171012	Landscape Architects	Green Economy Sectors	Career Cluster
171021	Cartographers and Photogrammetrists	Agriculture, Food and Natural Resources	Career Cluster
172011	Aerospace Engineers	Green Economy Sectors	State Wide
172031	Biomedical Engineers	Health Science	Career Cluster
172041	Chemical Engineers	Green Economy Sectors	Career Cluster
172051	Civil Engineers	Green Economy Sectors	State Wide
172071	Electrical Engineers	Green Economy Sectors	Career Cluster
172072	Electronics Engineers, Except Computer	Green Economy Sectors	State Wide
172081	Environmental Engineers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
172111	Industrial Safety and Health Engineers	Green Economy Sectors	Career Cluster
172112	Industrial Engineers	Green Economy Sectors	Career Cluster
172141	Mechanical Engineers	Green Economy Sectors	State Wide
172161	Nuclear Engineers	Green Economy Sectors	Career Cluster
172199	Biochemical Engineers	Green Economy Sectors	Career Cluster
173011	Architectural Drafters	Green Economy Sectors	Career Cluster
173021	Aerospace Engineering and Operations Technicians	Transportation, Distribution and Logistics	Career Cluster
173023	Electronics Engineering Technicians	Green Economy Sectors	Career Cluster
173024	Robotics Technicians	Green Economy Sectors; Manufacturing	Career Cluster
173025	Environmental Engineering Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
173026	Industrial Engineering Technicians	Green Economy Sectors; Manufacturing	Career Cluster
173027	Mechanical Engineering Technicians	Green Economy Sectors; Manufacturing	Career Cluster
173029	Photonics Technicians	Green Economy Sectors	Career Cluster
191011	Animal Scientists	Agriculture, Food and Natural Resources	Career Cluster
191012	Food Scientists and Technologists	Agriculture, Food and Natural Resources	Career Cluster
191013	Soil and Plant Scientists	Agriculture, Food and Natural Resources	Career Cluster
191020	Biologists	Health Science	Career Cluster
191023	Zoologists and Wildlife Biologists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster

## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
191031	Soil and Water Conservationists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
191032	Foresters	Agriculture, Food and Natural Resources	Career Cluster
191041	Epidemiologists	Health Science	Career Cluster
191042	Medical Scientists, Except Epidemiologists	Health Science	Career Cluster
192021	Atmospheric and Space Scientists	Green Economy Sectors	Career Cluster
192031	Chemists	Green Economy Sectors	State Wide
192032	Materials Scientists	Green Economy Sectors	Career Cluster
192041	Environmental Scientists and Specialists, Including Health	Green Economy Sectors	Career Cluster
192042	Geoscientists, Except Hydrologists and Geographers	Green Economy Sectors	Career Cluster
192043	Hydrologists	Green Economy Sectors	Career Cluster
192099	Remote Sensing Scientists and Technologists	Green Economy Sectors	Career Cluster
193011	Environmental Economists	Green Economy Sectors	Career Cluster
193031	Clinical Psychologists	Health Science	Career Cluster
193039	Neuropsychologists and Clinical Neuropsychologists	Health Science	Career Cluster
193051	Urban and Regional Planners	Green Economy Sectors	Career Cluster
193099	Transportation Planners	Green Economy Sectors	Career Cluster
194011	Agricultural Technicians	Green Economy Sectors	Career Cluster
194031	Chemical Technicians	Green Economy Sectors	Career Cluster
194041	Geophysical Data Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
194051	Nuclear Equipment Operation Technicians	Green Economy Sectors	Career Cluster
194091	Environmental Science and Protection Technicians, Including Health	Agriculture, Food and Natural Resources	Career Cluster
194093	Forest and Conservation Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
194099	Precision Agriculture Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
211023	Mental Health and Substance Abuse Social Workers	Health Science	Career Cluster
211091	Health Educators	Health Science	Career Cluster
231022	Arbitrators, Mediators, and Conciliators	Green Economy Sectors	Career Cluster
251041	Agricultural Sciences Teachers, Postsecondary	Agriculture, Food and Natural Resources	Career Cluster
252021	Elementary School Teachers, Except Special Education	Other	State Wide
252022	Middle School Teachers, Except Special and Vocational Education	Other	State Wide
252031	Secondary School Teachers, Except Special and Vocational Education	Other	State Wide
259021	Farm and Home Management Advisors	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
271021	Commercial and Industrial Designers	Green Economy Sectors	Career Cluster
273022	Reporters and Correspondents	Green Economy Sectors	Career Cluster
273031	Public Relations Specialists	Green Economy Sectors	Career Cluster
291011	Chiropractors	Health Science	Career Cluster
291021	Dentists, General	Health Science	Career Cluster

## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
291022	Oral and Maxillofacial Surgeons	Health Science	Career Cluster
291023	Orthodontists	Health Science	Career Cluster
291024	Prosthodontists	Health Science	Career Cluster
291031	Dietitians and Nutritionists	Health Science	Career Cluster
291041	Optometrists	Health Science	Career Cluster
291051	Pharmacists	Health Science	Career Cluster
291061	Anesthesiologists	Health Science	Career Cluster
291062	Family and General Practitioners	Health Science	Career Cluster
291063	Internists, General	Health Science	Career Cluster
291064	Obstetricians and Gynecologists	Health Science	Career Cluster
291065	Pediatricians, General	Health Science	Career Cluster
291066	Psychiatrists	Health Science	Career Cluster
291067	Surgeons	Health Science	Career Cluster
291069	Physicians and Surgeons, All Other	Health Science	Career Cluster
291071	Physician Assistants	Health Science	Career Cluster
291081	Podiatrists	Health Science	Career Cluster
291111	Registered Nurses	Health Science	Regional Demand
291121	Audiologists	Health Science	Career Cluster
291122	Occupational Therapists	Health Science	Career Cluster
291123	Physical Therapists	Health Science	Career Cluster
291124	Radiation Therapists	Health Science	Career Cluster
291125	Recreational Therapists	Health Science	Career Cluster
291126	Respiratory Therapists	Health Science	State Wide
291127	Speech-Language Pathologists	Health Science	Career Cluster
291131	Veterinarians	Agriculture, Food and Natural Resources	Career Cluster
291199	Health Diagnosing and Treating Practitioners, All Other	Health Science	Career Cluster
292011	Medical and Clinical Laboratory Technologists	Health Science	State Wide
292012	Medical and Clinical Laboratory Technicians	Health Science	Career Cluster
292021	Dental Hygienists	Health Science	State Wide
292031	Cardiovascular Technologists and Technicians	Health Science	Career Cluster
292032	Diagnostic Medical Sonographers	Health Science	Career Cluster
292033	Nuclear Medicine Technologists	Health Science	Career Cluster
292034	Radiologic Technologists and Technicians	Health Science	State Wide
292041	Emergency Medical Technicians and Paramedics	Law, Public Safety, Corrections and Security	State Wide
292051	Dietetic Technicians	Health Science	Career Cluster
292052	Pharmacy Technicians	Health Science	Career Cluster
292053	Psychiatric Technicians	Health Science	Career Cluster
292054	Respiratory Therapy Technicians	Health Science	Career Cluster
292055	Surgical Technologists	Health Science	State Wide
292056	Veterinary Technologists and Technicians	Agriculture, Food and Natural Resources	Career Cluster
292061	Licensed Practical and Licensed Vocational Nurses	Health Science	Regional Demand

## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
292071	Medical Records and Health Information Technicians	Health Science	Career Cluster
292081	Opticians, Dispensing	Health Science	Career Cluster
292091	Orthotists and Prosthetists	Health Science	Career Cluster
292099	Health Technologists and Technicians, All Other	Health Science	Career Cluster
299011	Occupational Health and Safety Specialists	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
299012	Occupational Health and Safety Technicians	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
299091	Athletic Trainers	Health Science	Career Cluster
299099	Midwives	Health Science	Career Cluster
311011	Home Health Aides	Health Science	Career Cluster
311012	Nursing Aides, Orderlies, and Attendants	Health Science	Career Cluster
311013	Psychiatric Aides	Health Science	Career Cluster
312011	Occupational Therapist Assistants	Health Science	Career Cluster
312012	Occupational Therapist Aides	Health Science	Career Cluster
312021	Physical Therapist Assistants	Health Science	State Wide
312022	Physical Therapist Aides	Health Science	Career Cluster
319091	Dental Assistants	Health Science	Career Cluster
319092	Medical Assistants	Health Science	Career Cluster
319093	Medical Equipment Preparers	Health Science	Career Cluster
319094	Medical Transcriptionists	Health Science	Career Cluster
319095	Pharmacy Aides	Health Science	Career Cluster
319096	Veterinary Assistants and Laboratory Animal Caretakers	Agriculture, Food and Natural Resources	Career Cluster
319099	Healthcare Support Workers, All Other	Health Science	Career Cluster
333012	Correctional Officers and Jailers	Other	State Wide
333031	Fish and Game Wardens	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
333051	Police and Sheriff's Patrol Officers	Other	State Wide
371012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	Agriculture, Food and Natural Resources	Career Cluster
372021	Pest Control Workers	Agriculture, Food and Natural Resources	Career Cluster
373012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	Agriculture, Food and Natural Resources	Career Cluster
373013	Tree Trimmers and Pruners	Agriculture, Food and Natural Resources	Career Cluster
392021	Nonfarm Animal Caretakers	Agriculture, Food and Natural Resources	Career Cluster
396031	Flight Attendants	Transportation, Distribution and Logistics	Career Cluster
411011	First-Line Supervisors/Managers of Retail Sales Workers	Agriculture, Food and Natural Resources	Regional Demand
412022	Parts Salespersons	Agriculture, Food and Natural Resources	Career Cluster
413031	Securities and Commodities Traders	Green Economy Sectors	Career Cluster
413099	Energy Brokers	Green Economy Sectors	Career Cluster
414011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	Green Economy Sectors	State Wide



## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
414012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	Other	State Wide
431011	First-Line Supervisors/Managers of Office and Administrative Support Workers	Other	State Wide
433021	Billing and Posting Clerks and Machine Operators	Health Science	Career Cluster
434051	Patient Representatives	Green Economy Sectors	Career Cluster
435011	Cargo and Freight Agents	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
435032	Dispatchers, Except Police, Fire, and Ambulance	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
435061	Production, Planning, and Expediting Clerks	Green Economy Sectors; Manufacturing	Career Cluster
435071	Shipping, Receiving, and Traffic Clerks	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
435111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	Manufacturing	Career Cluster
436011	Executive Secretaries and Administrative Assistants	Other	State Wide
451011	First-Line Supervisors/Managers of Logging Workers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
451012	Farm Labor Contractors	Agriculture, Food and Natural Resources	Career Cluster
452011	Agricultural Inspectors	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
452021	Animal Breeders	Agriculture, Food and Natural Resources	Career Cluster
452041	Graders and Sorters, Agricultural Products	Agriculture, Food and Natural Resources	Career Cluster
452091	Agricultural Equipment Operators	Agriculture, Food and Natural Resources	Career Cluster
452092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	Agriculture, Food and Natural Resources	Career Cluster
452093	Farmworkers, Farm and Ranch Animals	Agriculture, Food and Natural Resources	Career Cluster
453011	Fishers and Related Fishing Workers	Agriculture, Food and Natural Resources	Career Cluster
453021	Hunters and Trappers	Agriculture, Food and Natural Resources	Career Cluster
454011	Forest and Conservation Workers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
454021	Fallers	Agriculture, Food and Natural Resources	Career Cluster
454022	Logging Equipment Operators	Agriculture, Food and Natural Resources	Career Cluster
454023	Log Graders and Scalers	Agriculture, Food and Natural Resources	Career Cluster
471011	Solar Energy Installation Managers	Green Economy Sectors; Manufacturing	Career Cluster
472011	Boilermakers	Other	Career Cluster
472031	Construction Carpenters	Green Economy Sectors	Career Cluster
472051	Cement Masons and Concrete Finishers	Green Economy Sectors	Career Cluster
472061	Construction Laborers	Green Economy Sectors	Career Cluster
472073	Operating Engineers and Other Construction Equipment Operators	Green Economy Sectors	Career Cluster
472111	Electricians	Green Economy Sectors	State Wide
472131	Insulation Workers, Floor, Ceiling, and Wall	Green Economy Sectors	Career Cluster
472152	Pipe Fitters and Steamfitters	Green Economy Sectors	State Wide

## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
472181	Roofers	Green Economy Sectors	Career Cluster
472211	Sheet Metal Workers	Green Economy Sectors	Career Cluster
472221	Structural Iron and Steel Workers	Green Economy Sectors	Career Cluster
473012	Helpers--Carpenters	Green Economy Sectors	Career Cluster
474011	Construction and Building Inspectors	Green Economy Sectors	Career Cluster
474041	Hazardous Materials Removal Workers	Green Economy Sectors	Career Cluster
474061	Rail-Track Laying and Maintenance Equipment Operators	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
474099	Solar Photovoltaic Installers	Green Economy Sectors	Career Cluster
475011	Derrick Operators, Oil and Gas	Agriculture, Food and Natural Resources	Career Cluster
475012	Rotary Drill Operators, Oil and Gas	Agriculture, Food and Natural Resources	Career Cluster
475013	Service Unit Operators, Oil, Gas, and Mining	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
475031	Explosives Workers, Ordnance Handling Experts, and Blasters	Agriculture, Food and Natural Resources	Career Cluster
475041	Continuous Mining Machine Operators	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
475042	Mine Cutting and Channeling Machine Operators	Agriculture, Food and Natural Resources	Career Cluster
475051	Rock Splitters, Quarry	Agriculture, Food and Natural Resources	Career Cluster
475061	Roof Bolters, Mining	Agriculture, Food and Natural Resources	Career Cluster
475071	Roustabouts, Oil and Gas	Agriculture, Food and Natural Resources	Career Cluster
475081	Helpers--Extraction Workers	Agriculture, Food and Natural Resources	Career Cluster
491011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	Green Economy Sectors; Manufacturing	State Wide
492011	Computer, Automated Teller, and Office Machine Repairers	Manufacturing	Career Cluster
492021	Radio Mechanics	Manufacturing	Career Cluster
492022	Telecommunications Equipment Installers and Repairers, Except Line Installers	Manufacturing	Career Cluster
492091	Avionics Technicians	Transportation, Distribution and Logistics	Career Cluster
492092	Electric Motor, Power Tool, and Related Repairers	Manufacturing	Career Cluster
492093	Electrical and Electronics Installers and Repairers, Transportation Equipment	Transportation, Distribution and Logistics	Career Cluster
492094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	Green Economy Sectors; Manufacturing	State Wide
492096	Electronic Equipment Installers and Repairers, Motor Vehicles	Transportation, Distribution and Logistics	Career Cluster
492097	Electronic Home Entertainment Equipment Installers and Repairers	Manufacturing	Career Cluster
492098	Security and Fire Alarm Systems Installers	Manufacturing	Career Cluster
493011	Aircraft Mechanics and Service Technicians	Transportation, Distribution and Logistics	Career Cluster
493021	Automotive Body and Related Repairers	Transportation, Distribution and Logistics	Career Cluster
493022	Automotive Glass Installers and Repairers	Transportation, Distribution and Logistics	Career Cluster
493023	Automotive Service Technicians and Mechanics	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster

## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
493031	Bus and Truck Mechanics and Diesel Engine Specialists	Transportation, Distribution and Logistics	Career Cluster
493041	Farm Equipment Mechanics	Agriculture, Food and Natural Resources	Career Cluster
493042	Mobile Heavy Equipment Mechanics, Except Engines	Transportation, Distribution and Logistics	Career Cluster
493043	Rail Car Repairers	Transportation, Distribution and Logistics	Career Cluster
493051	Motorboat Mechanics	Transportation, Distribution and Logistics	Career Cluster
493052	Motorcycle Mechanics	Transportation, Distribution and Logistics	Career Cluster
493053	Outdoor Power Equipment and Other Small Engine Mechanics	Manufacturing	Career Cluster
493091	Bicycle Repairers	Transportation, Distribution and Logistics	Career Cluster
493092	Recreational Vehicle Service Technicians	Transportation, Distribution and Logistics	Career Cluster
493093	Tire Repairers and Changers	Transportation, Distribution and Logistics	Career Cluster
499021	Heating and Air Conditioning Mechanics and Installers	Green Economy Sectors	Career Cluster
499041	Industrial Machinery Mechanics	Green Economy Sectors; Manufacturing	Career Cluster
499042	Maintenance and Repair Workers, General	Green Economy Sectors; Manufacturing	Career Cluster
499043	Maintenance Workers, Machinery	Manufacturing	Career Cluster
499044	Millwrights	Green Economy Sectors; Manufacturing	Career Cluster
499051	Electrical Power-Line Installers and Repairers	Green Economy Sectors	Career Cluster
499062	Medical Equipment Repairers	Manufacturing	Career Cluster
499063	Musical Instrument Repairers and Tuners	Manufacturing	Career Cluster
499064	Watch Repairers	Manufacturing	Career Cluster
499091	Coin, Vending, and Amusement Machine Servicers and Repairers	Manufacturing	Career Cluster
499092	Commercial Divers	Agriculture, Food and Natural Resources	Career Cluster
499093	Fabric Menders, Except Garment	Manufacturing	Career Cluster
499094	Locksmiths and Safe Repairers	Manufacturing	Career Cluster
499097	Signal and Track Switch Repairers	Transportation, Distribution and Logistics	Career Cluster
499098	Helpers--Installation, Maintenance, and Repair Workers	Green Economy Sectors	Career Cluster
499099	Geothermal Technicians	Green Economy Sectors	Career Cluster
511011	First-Line Supervisors/Managers of Production and Operating Workers	Green Economy Sectors; Manufacturing	Career Cluster
512011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512021	Coil Winders, Tapers, and Finishers	Manufacturing	Career Cluster
512022	Electrical and Electronic Equipment Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512023	Electromechanical Equipment Assemblers	Manufacturing	Career Cluster
512031	Engine and Other Machine Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512041	Structural Metal Fabricators and Fitters	Green Economy Sectors	Career Cluster
512091	Fiberglass Laminators and Fabricators	Manufacturing	Career Cluster
512092	Team Assemblers	Green Economy Sectors; Manufacturing	Career Cluster
512093	Timing Device Assemblers, Adjusters, and Calibrators	Manufacturing	Career Cluster
513021	Butchers and Meat Cutters	Agriculture, Food and Natural Resources	Career Cluster
513022	Meat, Poultry, and Fish Cutters and Trimmers	Agriculture, Food and Natural Resources	Career Cluster
513023	Slaughterers and Meat Packers	Agriculture, Food and Natural Resources	Career Cluster

## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
513091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	Agriculture, Food and Natural Resources	Career Cluster
513092	Food Batchmakers	Agriculture, Food and Natural Resources	Career Cluster
513093	Food Cooking Machine Operators and Tenders	Agriculture, Food and Natural Resources	Career Cluster
514011	Computer-Controlled Machine Tool Operators, Metal and Plastic	Green Economy Sectors; Manufacturing	Career Cluster
514012	Numerical Tool and Process Control Programmers	Manufacturing	Career Cluster
514021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	Green Economy Sectors; Manufacturing	Career Cluster
514032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Green Economy Sectors; Manufacturing	Career Cluster
514033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514041	Machinists	Green Economy Sectors	Career Cluster
514051	Metal-Refining Furnace Operators and Tenders	Manufacturing	Career Cluster
514052	Pourers and Casters, Metal	Manufacturing	Career Cluster
514061	Model Makers, Metal and Plastic	Manufacturing	Career Cluster
514062	Patternmakers, Metal and Plastic	Manufacturing	Career Cluster
514071	Foundry Mold and Coremakers	Manufacturing	Career Cluster
514072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514111	Tool and Die Makers	Manufacturing	Career Cluster
514121	Welders, Cutters, Solderers, and Brazers	Green Economy Sectors; Manufacturing	Career Cluster
514122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
514191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514192	Lay-Out Workers, Metal and Plastic	Manufacturing	Career Cluster
514193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	Manufacturing	Career Cluster
514194	Tool Grinders, Filers, and Sharpeners	Manufacturing	Career Cluster
516031	Sewing Machine Operators	Manufacturing	Career Cluster

## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
516041	Shoe and Leather Workers and Repairers	Manufacturing	Career Cluster
516042	Shoe Machine Operators and Tenders	Manufacturing	Career Cluster
516051	Sewers, Hand	Manufacturing	Career Cluster
516061	Textile Bleaching and Dyeing Machine Operators and Tenders	Manufacturing	Career Cluster
516062	Textile Cutting Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
516063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
516064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
516091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	Manufacturing	Career Cluster
516092	Fabric and Apparel Patternmakers	Manufacturing	Career Cluster
516093	Upholsterers	Manufacturing	Career Cluster
517011	Cabinetmakers and Bench Carpenters	Manufacturing	Career Cluster
517021	Furniture Finishers	Manufacturing	Career Cluster
517031	Model Makers, Wood	Manufacturing	Career Cluster
517032	Patternmakers, Wood	Manufacturing	Career Cluster
517041	Sawing Machine Setters, Operators, and Tenders, Wood	Agriculture, Food and Natural Resources	Career Cluster
517042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	Manufacturing	Career Cluster
518011	Nuclear Power Reactor Operators	Green Economy Sectors; Manufacturing	Career Cluster
518012	Power Distributors and Dispatchers	Green Economy Sectors; Manufacturing	Career Cluster
518013	Power Plant Operators	Green Economy Sectors; Manufacturing	Career Cluster
518021	Stationary Engineers and Boiler Operators	Green Economy Sectors	Career Cluster
518031	Water and Liquid Waste Treatment Plant and System Operators	Agriculture, Food and Natural Resources	Career Cluster
518091	Chemical Plant and System Operators	Green Economy Sectors; Manufacturing	Career Cluster
518092	Gas Plant Operators	Agriculture, Food and Natural Resources	Career Cluster
518093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	Agriculture, Food and Natural Resources	Career Cluster
518099	Biofuels Processing Technicians	Green Economy Sectors; Manufacturing	Career Cluster
519011	Chemical Equipment Operators and Tenders	Green Economy Sectors; Manufacturing	Career Cluster
519012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	Green Economy Sectors	Career Cluster
519021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519022	Grinding and Polishing Workers, Hand	Manufacturing	Career Cluster
519023	Mixing and Blending Machine Setters, Operators, and Tenders	Green Economy Sectors; Manufacturing	Career Cluster
519031	Cutters and Trimmers, Hand	Manufacturing	Career Cluster
519032	Cutting and Slicing Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	Manufacturing	Career Cluster
519061	Inspectors, Testers, Sorters, Samplers, and Weighers	Green Economy Sectors; Manufacturing	Career Cluster
519071	Jewelers and Precious Stone and Metal Workers	Manufacturing	Career Cluster

## Demand Occupation List

### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
519081	Dental Laboratory Technicians	Health Science	Career Cluster
519082	Medical Appliance Technicians	Manufacturing	Career Cluster
519083	Ophthalmic Laboratory Technicians	Health Science	Career Cluster
519111	Packaging and Filling Machine Operators and Tenders	Manufacturing	Career Cluster
519121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519122	Painters, Transportation Equipment	Manufacturing	Career Cluster
519123	Painting, Coating, and Decorating Workers	Manufacturing	Career Cluster
519131	Photographic Process Workers	Manufacturing	Career Cluster
519132	Photographic Processing Machine Operators	Manufacturing	Career Cluster
519141	Semiconductor Processors	Manufacturing	Career Cluster
519191	Cementing and Gluing Machine Operators and Tenders	Manufacturing	Career Cluster
519192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	Manufacturing	Career Cluster
519193	Cooling and Freezing Equipment Operators and Tenders	Manufacturing	Career Cluster
519194	Etchers and Engravers	Manufacturing	Career Cluster
519195	Molders, Shapers, and Casters, Except Metal and Plastic	Manufacturing	Career Cluster
519196	Paper Goods Machine Setters, Operators, and Tenders	Manufacturing	Career Cluster
519197	Tire Builders	Manufacturing	Career Cluster
519198	Helpers--Production Workers	Manufacturing	Career Cluster
519199	Recycling and Reclamation Workers	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
531011	Aircraft Cargo Handling Supervisors	Transportation, Distribution and Logistics	Career Cluster
531021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	Agriculture, Food and Natural Resources; Green Economy Sectors	State Wide
531031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	Transportation, Distribution and Logistics	Career Cluster
532011	Airline Pilots, Copilots, and Flight Engineers	Transportation, Distribution and Logistics	Career Cluster
532012	Commercial Pilots	Transportation, Distribution and Logistics	Career Cluster
532021	Air Traffic Controllers	Transportation, Distribution and Logistics	Career Cluster
532022	Airfield Operations Specialists	Transportation, Distribution and Logistics	Career Cluster
533011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	Transportation, Distribution and Logistics	Career Cluster
533021	Bus Drivers, Transit and Intercity	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
533022	Bus Drivers, School	Transportation, Distribution and Logistics	Career Cluster
533032	Truck Drivers, Heavy and Tractor-Trailer	Green Economy Sectors; Transportation, Distribution and Logistics	Regional Demand
533033	Truck Drivers, Light or Delivery Services	Transportation, Distribution and Logistics	Career Cluster
533041	Taxi Drivers and Chauffeurs	Transportation, Distribution and Logistics	Career Cluster
534011	Locomotive Engineers	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
534012	Locomotive Firers	Transportation, Distribution and Logistics	Career Cluster
534013	Rail Yard Engineers, Dinkey Operators, and Hostlers	Transportation, Distribution and Logistics	Career Cluster



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### Career Cluster and Regional Demand

O*Net Code <sup>1</sup>	O*Net Occupation <sup>2</sup>	Career Cluster <sup>3</sup>	Source <sup>4</sup>
534021	Railroad Brake, Signal, and Switch Operators	Transportation, Distribution and Logistics	Career Cluster
534031	Railroad Conductors and Yardmasters	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
534041	Subway and Streetcar Operators	Transportation, Distribution and Logistics	Career Cluster
535011	Sailors and Marine Oilers	Transportation, Distribution and Logistics	Career Cluster
535021	Captains, Mates, and Pilots of Water Vessels	Transportation, Distribution and Logistics	Career Cluster
535022	Motorboat Operators	Transportation, Distribution and Logistics	Career Cluster
535031	Ship Engineers	Transportation, Distribution and Logistics	Career Cluster
536011	Bridge and Lock Tenders	Transportation, Distribution and Logistics	Career Cluster
536041	Traffic Technicians	Transportation, Distribution and Logistics	Career Cluster
536051	Aviation Inspectors	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
537033	Loading Machine Operators, Underground Mining	Agriculture, Food and Natural Resources	Career Cluster
537051	Industrial Truck and Tractor Operators	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
537061	Cleaners of Vehicles and Equipment	Transportation, Distribution and Logistics	Career Cluster
537062	Laborers and Freight, Stock, and Material Movers, Hand	Green Economy Sectors; Transportation, Distribution and Logistics	Career Cluster
537063	Machine Feeders and Offbearers	Manufacturing	Career Cluster
537064	Packers and Packagers, Hand	Transportation, Distribution and Logistics	Career Cluster
537071	Gas Compressor and Gas Pumping Station Operators	Agriculture, Food and Natural Resources	Career Cluster
537072	Pump Operators, Except Wellhead Pumpers	Agriculture, Food and Natural Resources	Career Cluster
537073	Wellhead Pumpers	Agriculture, Food and Natural Resources	Career Cluster
537081	Refuse and Recyclable Material Collectors	Agriculture, Food and Natural Resources; Green Economy Sectors	Career Cluster
537111	Shuttle Car Operators	Agriculture, Food and Natural Resources	Career Cluster
537121	Tank Car, Truck, and Ship Loaders	Transportation, Distribution and Logistics	Career Cluster

## Demand Occupation List

### *Career Cluster and Regional Demand*

#### Footnotes

<sup>1</sup> O\*Net Code - The six-digit occupational code that identifies the occupation as allowable. All associated sub-codes (8-digit codes) are also allowable.

<sup>2</sup> O\*Net Occupation - The text title of the occupation associated with the O\*Net Code.

<sup>3</sup> Career Cluster - Indicates which of the six Illinois career clusters the occupation is associated with. "Other" indicates it is not in one of Illinois' clusters.

<sup>4</sup> Source - Indicates the criteria the occupation met for inclusion on the Demand Occupation List. The hierarchy for qualification is Regional Demand (the occupation had a entry wage equal to or greater than 90% of the Economic Development Region (EDR) negotiated wage as an average of all LWIA's in the EDR AND at least 25 annual average job openings in the EDR), State Wide (the occupation qualified for at least 5 of the Regional Demands and thus was added to all ten EDR lists), Career Cluster (the occupation is listed on at least one of the six career clusters Illinois has identified as a priority [data is available under the career clusters on the O\*Net website at <http://online.onetcenter.org/>]), and Regional Request (an LWIA received approval of a request to add an occupational code to its EDR list based on substantive data and information supporting a need in the region). **NOTE:** *Only those occupations with a Source of Regional Demand or State Wide will be eligible for incentive bonus award under the Minimum Training Expenditure policy requirements.*