



O*NET OnLine

Browse by Job Zone

Job Zones group occupations into one of five categories based on levels of education, experience, and training necessary to perform the occupation.

Four: Considerable Preparation Needed ▾

Job Zone Four: Considerable Preparation Needed [Save Table \(XLS/CSV\)](#)

Learn more about this Job Zone's level of experience, training, and education in [OnLine Help](#).

229 occupations displayed.

Sort by: [Code](#) [Occupation](#) ▲

13-2011.01	Accountants	🌟 Bright Outlook
15-2011.00	Actuaries	🌟
25-2059.01	Adapted Physical Education Specialists	🌟
25-3011.00	Adult Basic and Secondary Education and Literacy Teachers and Instructors	
11-2011.00	Advertising and Promotions Managers	
17-3021.00	Aerospace Engineering and Operations Technicians	
17-2011.00	Aerospace Engineers	🌿 Green
13-1011.00	Agents and Business Managers of Artists, Performers, and Athletes	
17-2021.00	Agricultural Engineers	
53-2011.00	Airline Pilots, Copilots, and Flight Engineers	
13-2021.02	Appraisers, Real Estate	
11-9013.03	Aquacultural Managers	🌟
17-1011.00	Architects, Except Landscape and Naval	🌿
17-3011.01	Architectural Drafters	🌿
27-1011.00	Art Directors	
19-2021.00	Atmospheric and Space Scientists	🌿
25-9011.00	Audio-Visual and Multimedia Collections Specialists	
13-2011.02	Auditors	🌟
17-2141.02	Automotive Engineers	🌟 🌿
17-2199.01	Biochemical Engineers	🌟 🌿
11-3051.03	Biofuels Production Managers	🌟 🌿
11-9041.01	Biofuels/Biodiesel Technology and Product Development Managers	🌟 🌿
43-9111.01	Bioinformatics Technicians	🌟
19-4021.00	Biological Technicians	
11-3051.04	Biomass Power Plant Managers	🌟 🌿
17-2031.00	Biomedical Engineers	🌟
27-3021.00	Broadcast News Analysts	

- 11-9199.11 [Brownfield Redevelopment Specialists and Site Managers](#) 🌟🌱
- 13-2031.00 [Budget Analysts](#)
- 13-1199.04 [Business Continuity Planners](#) 🌟
- 15-1199.08 [Business Intelligence Analysts](#) 🌟
- 13-1021.00 [Buyers and Purchasing Agents, Farm Products](#) 🌱
- 25-2023.00 [Career/Technical Education Teachers, Middle School](#)
- 25-2032.00 [Career/Technical Education Teachers, Secondary School](#)
- 17-1021.00 [Cartographers and Photogrammetrists](#) 🌟
- 17-2041.00 [Chemical Engineers](#) 🌱
- 19-2031.00 [Chemists](#) 🌱
- 21-1021.00 [Child, Family, and School Social Workers](#)
- 27-2032.00 [Choreographers](#)
- 19-4061.01 [City and Regional Planning Aides](#)
- 17-2051.00 [Civil Engineers](#) 🌟🌱
- 13-1031.01 [Claims Examiners, Property and Casualty Insurance](#)
- 15-2041.02 [Clinical Data Managers](#) 🌟
- 11-9121.01 [Clinical Research Coordinators](#) 🌟
- 27-2022.00 [Coaches and Scouts](#)
- 27-1021.00 [Commercial and Industrial Designers](#) 🌱
- 21-1094.00 [Community Health Workers](#) 🌟
- 11-3111.00 [Compensation and Benefits Managers](#)
- 13-1141.00 [Compensation, Benefits, and Job Analysis Specialists](#)
- 11-9199.02 [Compliance Managers](#) 🌟🌱
- 11-3021.00 [Computer and Information Systems Managers](#) 🌟
- 17-2061.00 [Computer Hardware Engineers](#)
- 15-1143.00 [Computer Network Architects](#)
- 15-1152.00 [Computer Network Support Specialists](#)
- 15-1131.00 [Computer Programmers](#)
- 15-1121.00 [Computer Systems Analysts](#) 🌟
- 15-1199.02 [Computer Systems Engineers/Architects](#) 🌟
- 11-9021.00 [Construction Managers](#) 🌱
- 27-3043.04 [Copy Writers](#)
- 13-1051.00 [Cost Estimators](#)
- 13-2041.00 [Credit Analysts](#)
- 13-2071.00 [Credit Counselors](#) 🌟
- 29-2011.01 [Cytogenetic Technologists](#) 🌟
- 15-1141.00 [Database Administrators](#)
- 15-1199.06 [Database Architects](#) 🌟
- 21-2021.00 [Directors, Religious Activities and Education](#)
- 27-2012.02 [Directors- Stage, Motion Pictures, Television, and Radio](#)

- 15-1199.12 [Document Management Specialists](#) 🌟
- 27-3041.00 [Editors](#)
- 11-9031.00 [Education Administrators, Preschool and Childcare Center/Program](#)
- 17-3029.02 [Electrical Engineering Technologists](#) 🌟 🍃
- 17-2071.00 [Electrical Engineers](#) 🍃
- 17-3029.03 [Electromechanical Engineering Technologists](#) 🌟 🍃
- 17-2072.00 [Electronics Engineers, Except Computer](#) 🍃
- 25-2021.00 [Elementary School Teachers, Except Special Education](#) 🌟
- 11-9161.00 [Emergency Management Directors](#)
- 41-3099.01 [Energy Brokers](#) 🌟 🍃
- 17-2199.03 [Energy Engineers](#) 🌟 🍃
- 13-1041.01 [Environmental Compliance Inspectors](#)
- 17-3025.00 [Environmental Engineering Technicians](#) 🍃
- 19-4091.00 [Environmental Science and Protection Technicians, Including Health](#) 🍃
- 19-2041.00 [Environmental Scientists and Specialists, Including Health](#) 🍃
- 13-1041.03 [Equal Opportunity Representatives and Officers](#)
- 11-9013.02 [Farm and Ranch Managers](#) 🌟 🍃
- 13-2051.00 [Financial Analysts](#) 🍃
- 13-2061.00 [Financial Examiners](#)
- 11-3031.02 [Financial Managers, Branch or Department](#) 🌟
- 17-2111.02 [Fire-Prevention and Protection Engineers](#)
- 45-1011.06 [First-Line Supervisors of Aquacultural Workers](#)
- 41-1012.00 [First-Line Supervisors of Non-Retail Sales Workers](#)
- 33-3031.00 [Fish and Game Wardens](#) 🍃
- 11-9039.02 [Fitness and Wellness Coordinators](#) 🌟
- 19-1012.00 [Food Scientists and Technologists](#)
- 19-4092.00 [Forensic Science Technicians](#) 🌟
- 19-1032.00 [Foresters](#)
- 13-2099.04 [Fraud Examiners, Investigators and Analysts](#) 🌟
- 53-6051.08 [Freight and Cargo Inspectors](#)
- 13-1131.00 [Fundraisers](#)
- 11-1021.00 [General and Operations Managers](#) 🌟 🍃
- 17-1022.01 [Geodetic Surveyors](#) 🌟
- 15-1199.05 [Geographic Information Systems Technicians](#) 🌟 🍃
- 19-4041.02 [Geological Sample Test Technicians](#) 🍃
- 19-4041.01 [Geophysical Data Technicians](#) 🍃
- 19-2042.00 [Geoscientists, Except Hydrologists and Geographers](#) 🍃
- 15-1199.04 [Geospatial Information Scientists and Technologists](#) 🌟 🍃
- 27-1024.00 [Graphic Designers](#)
- 21-1091.00 [Health Educators](#)
- 11-3121.00 [Human Resources Managers](#)

- 13-1071.00 [Human Resources Specialists](#) 🌟
- 19-2043.00 [Hydrologists](#) 🌱
- 17-3029.05 [Industrial Engineering Technologists](#) 🌟 🌱
- 17-2112.00 [Industrial Engineers](#) 🌱
- 11-3051.00 [Industrial Production Managers](#) 🌱
- 17-2111.01 [Industrial Safety and Health Engineers](#) 🌱
- 15-1121.01 [Informatics Nurse Specialists](#) 🌟
- 15-1122.00 [Information Security Analysts](#) 🌟
- 15-1199.09 [Information Technology Project Managers](#) 🌟
- 41-3021.00 [Insurance Sales Agents](#) 🌟
- 13-2053.00 [Insurance Underwriters](#)
- 33-3021.06 [Intelligence Analysts](#) 🌟
- 27-1025.00 [Interior Designers](#)
- 27-3091.00 [Interpreters and Translators](#) 🌟
- 25-2012.00 [Kindergarten Teachers, Except Special Education](#)
- 13-1075.00 [Labor Relations Specialists](#)
- 17-1012.00 [Landscape Architects](#) 🌱
- 11-1031.00 [Legislators](#)
- 25-4031.00 [Library Technicians](#)
- 13-2071.01 [Loan Counselors](#) 🌟
- 13-1081.00 [Logisticians](#)
- 13-1081.02 [Logistics Analysts](#) 🌟 🌱
- 13-1081.01 [Logistics Engineers](#) 🌟 🌱
- 11-3071.03 [Logistics Managers](#) 🌟 🌱
- 11-9199.08 [Loss Prevention Managers](#) 🌟
- 17-3029.06 [Manufacturing Engineering Technologists](#) 🌟 🌱
- 17-2199.04 [Manufacturing Engineers](#) 🌟 🌱
- 17-2121.02 [Marine Architects](#)
- 17-2121.01 [Marine Engineers](#)
- 13-1161.00 [Market Research Analysts and Marketing Specialists](#) 🌟
- 11-2021.00 [Marketing Managers](#) 🌱
- 17-2131.00 [Materials Engineers](#)
- 15-2091.00 [Mathematical Technicians](#)
- 17-2141.00 [Mechanical Engineers](#) 🌟 🌱
- 17-2199.05 [Mechatronics Engineers](#) 🌟 🌱
- 29-2011.00 [Medical and Clinical Laboratory Technologists](#) 🌟
- 13-1121.00 [Meeting, Convention, and Event Planners](#)
- 25-2022.00 [Middle School Teachers, Except Special and Career/Technical Education](#) 🌟
- 29-9099.01 [Midwives](#) 🌟
- 17-2151.00 [Mining and Geological Engineers, Including Mining Safety Engineers](#)

27-1014.00 [Multimedia Artists and Animators](#)

25-4013.00 [Museum Technicians and Conservators](#)

27-2041.01 [Music Directors](#)

29-1125.02 [Music Therapists](#) 🌟

27-2042.02 [Musicians, Instrumental](#)

15-1142.00 [Network and Computer Systems Administrators](#)

17-2161.00 [Nuclear Engineers](#) 🌱

29-9011.00 [Occupational Health and Safety Specialists](#) 🌱

13-1199.06 [Online Merchants](#) 🌟

19-1031.03 [Park Naturalists](#)

43-4051.03 [Patient Representatives](#) 🌟

13-2052.00 [Personal Financial Advisors](#) 🌟 🌱

17-2171.00 [Petroleum Engineers](#)

17-2199.07 [Photonics Engineers](#) 🌟 🌱

27-3043.05 [Poets, Lyricists and Creative Writers](#)

19-4099.02 [Precision Agriculture Technicians](#) 🌟 🌱

21-1092.00 [Probation Officers and Correctional Treatment Specialists](#)

27-2012.01 [Producers](#)

17-2111.03 [Product Safety Engineers](#)

27-2012.03 [Program Directors](#)

43-9081.00 [Proofreaders and Copy Markers](#)

11-9141.00 [Property, Real Estate, and Community Association Managers](#)

11-2031.00 [Public Relations and Fundraising Managers](#)

27-3031.00 [Public Relations Specialists](#) 🌱

13-1023.00 [Purchasing Agents, Except Wholesale, Retail, and Farm Products](#)

11-3061.00 [Purchasing Managers](#)

11-3051.01 [Quality Control Systems Managers](#) 🌟

27-3011.00 [Radio and Television Announcers](#)

17-2072.01 [Radio Frequency Identification Device Specialists](#) 🌟

19-1031.02 [Range Managers](#)

41-9021.00 [Real Estate Brokers](#)

39-9032.00 [Recreation Workers](#) 🌟

29-1125.00 [Recreational Therapists](#)

11-9199.01 [Regulatory Affairs Managers](#) 🌟 🌱

13-1041.07 [Regulatory Affairs Specialists](#) 🌟 🌱

19-4099.03 [Remote Sensing Technicians](#) 🌟 🌱

27-3022.00 [Reporters and Correspondents](#) 🌱

13-2099.02 [Risk Management Specialists](#) 🌟 🌱

17-2199.08 [Robotics Engineers](#) 🌟 🌱

41-3031.01 [Sales Agents, Securities and Commodities](#)

41-9031.00 [Sales Engineers](#)

- 11-2022.00 [Sales Managers](#) 🌟
- 41-4012.00 [Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products](#) 🌟
- 41-4011.00 [Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products](#) 🌟
- 15-1199.10 [Search Marketing Strategists](#) 🌟
- 25-2031.00 [Secondary School Teachers, Except Special and Career/Technical Education](#) 🌟
- 41-3031.03 [Securities and Commodities Traders](#) 🌟 🌿
- 13-1199.02 [Security Management Specialists](#) 🌟
- 11-9199.07 [Security Managers](#) 🌟
- 11-9151.00 [Social and Community Service Managers](#)
- 21-1093.00 [Social and Human Service Assistants](#) 🌟
- 19-4061.00 [Social Science Research Assistants](#)
- 15-1132.00 [Software Developers, Applications](#) 🌟
- 15-1133.00 [Software Developers, Systems Software](#) 🌟 🌿
- 15-1199.01 [Software Quality Assurance Engineers and Testers](#) 🌟
- 19-1031.01 [Soil and Water Conservationists](#) 🌿
- 17-2199.11 [Solar Energy Systems Engineers](#) 🌟 🌿
- 25-2052.00 [Special Education Teachers, Kindergarten and Elementary School](#)
- 25-2053.00 [Special Education Teachers, Middle School](#)
- 25-2054.00 [Special Education Teachers, Secondary School](#)
- 43-9111.00 [Statistical Assistants](#)
- 11-3071.02 [Storage and Distribution Managers](#) 🌿
- 11-9199.04 [Supply Chain Managers](#) 🌟 🌿
- 17-1022.00 [Surveyors](#)
- 13-1199.05 [Sustainability Specialists](#) 🌟 🌿
- 27-2012.04 [Talent Directors](#)
- 27-2012.05 [Technical Directors/Managers](#)
- 27-3042.00 [Technical Writers](#)
- 11-3131.00 [Training and Development Managers](#)
- 13-1151.00 [Training and Development Specialists](#) 🌿
- 17-2051.01 [Transportation Engineers](#) 🌟 🌿
- 11-3071.01 [Transportation Managers](#) 🌿
- 19-3099.01 [Transportation Planners](#) 🌟 🌿
- 25-3099.02 [Tutors](#) 🌟
- 17-2199.02 [Validation Engineers](#) 🌟 🌿
- 15-1199.11 [Video Game Designers](#) 🌟
- 11-9121.02 [Water Resource Specialists](#) 🌟 🌿
- 17-2081.01 [Water/Wastewater Engineers](#) 🌟 🌿
- 17-2199.10 [Wind Energy Engineers](#) 🌟 🌿
- 11-9199.09 [Wind Energy Operations Managers](#) 🌟 🌿
- 11-9199.10 [Wind Energy Project Managers](#) 🌟 🌿