



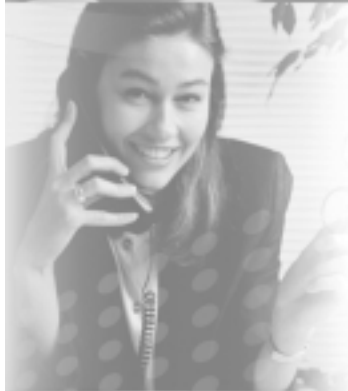
Version 3.0



# work importance locator



## O\*NET™ Occupations Master List



U.S. Department of Labor  
Employment and Training Administration



America's

Career Kit

America's Job Bank

www.ajb.org

America's Learning eXchange

www.alx.org

America's Career InfoNet

www.acinet.org

America's Service Locator

www.servicelocator.org

O\*NET OnLine

http://online.onetcenter.org

America's Workforce Network Toll-Free Help Line 1-877-US-2JOBS

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The DOL/ETA developed the O\*NET Career Exploration Tools as career counseling, career planning, and exploration tools. In order for each tool to provide an objective assessment, extensive research and development was conducted to ensure that the directions, format, items, and score reports lead to valid assessment. DOL/ETA adhered to the high standards of the American Psychological Association, the American Education Research Association, and the National Council on Measurement in Education in developing the O\*NET Career Exploration Tools. In developing the tools, fairness analyses were conducted to ensure that score results were equally valid both from a statistical and a usability perspective.

Results provided from the O\*NET Career Exploration Tools are part of a whole-person approach to the assessment process. They provide useful information that individuals can use to identify their strengths, the parts of work they like to do, and the parts of work that they may find important. Individuals can use results to identify training needs and occupations that they may wish to explore further. Individuals are strongly encouraged to use additional information about themselves with O\*NET Career Exploration results when making career decisions.

As such, the use of the O\*NET Career Exploration Tools is authorized for career exploration, career planning, and career counseling purposes only. Each O\*NET Career Exploration Tool must be used consistent with its own “User’s Guide.” No other use of these tools or any part of the tools is valid or authorized.

All users are bound by the terms of “Special Notice: User’s Agreement.” If you use any of the O\*NET Career Exploration Tools, you have agreed to be bound by the terms of “Special Notice: User’s Agreement.”

**If any of the O\*NET Career Exploration Tools is used for a purpose or purposes other than career exploration, career planning, and career counseling purposes, it is a violation of this agreement and neither the U.S. Department of Labor nor the Employment and Training Administration is liable for any misuse of the Tools.**

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sued and will be found at the National O\*NET Consortium web site in the near future at <http://www.onetcenter.org>.

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1. Since O\*NET is trademarked, users must acknowledge the use of O\*NET Career Exploration Tools in and on their products. The trademark symbol must be properly displayed when referring to O\*NET. When using the O\*NET™ name, users must use “O\*NET” as an adjective, not as noun or verb, followed by the proper generic product name. For example: “...with O\*NET Career Exploration Tools,” “...formulated from O\*NET Career Exploration Tools,” or “...includes information from the O\*NET Career Exploration Tools,” not “...includes O\*NET.” In addition, the O\*NET name must not appear in the possessive form.

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\*\* Indicates that the occupation was assigned to the group based on its second highest work value.

\*\*\* Indicates that the occupation was assigned to the group based on its third highest work value.

WORKING CONDITIONS (continued)

WORKING CONDITIONS—JOB ZONE 4 (Considerable Preparation Needed)

| O*NET-SOC# | O*NET-SOC Title                             | O*NET-SOC# | O*NET-SOC Title                              |
|------------|---|------------|--|
| 13-2011.01 | Accountants                                 | 51-9131.04 | Film Laboratory Technicians                  |
| 45-2011.00 | Agricultural Inspectors                     | 13-2061.00 | Financial Examiners                          |
| 13-2021.01 | Assessors                                   | 49-9021.01 | Heating and Air Conditioning Mechanics       |
| 13-2011.02 | Auditors                                    | 23-2092.00 | Law Clerks                                   |
| 13-2031.00 | Budget Analysts                             | 23-2011.00 | Paralegals and Legal Assistants              |
| 49-9061.00 | Camera and Photographic Equipment Repairers | 51-5022.02 | Paste-Up Workers                             |
| 13-1051.00 | Cost Estimators                             | 11-9131.00 | Postmasters and Mail Superintendents         |
| 49-2011.02 | Data Processing Equipment Repairers         | 11-3061.00 | Purchasing Managers                          |
| 43-9031.00 | Desktop Publishers                          | 49-9063.03 | Reed or Wind Instrument Repairers and Tuners |
| 51-5022.09 | Electronic Masking System Operators         | 51-5022.05 | Scanner Operators                            |

WORKING CONDITIONS—JOB ZONE 5 (Extensive Preparation Needed)

| O*NET-SOC# | O*NET-SOC Title   | O*NET-SOC# | O*NET-SOC Title  |
|------------|---|------------|--|
| 15-2011.00 | Actuaries   | 51-5021.00 | Job Printers   |
| 23-1021.00 | Administrative Law Judges, Adjudicators, and Hearing Officers**           | 23-1023.00 | Judges, Magistrate Judges, and Magistrates***            |
| 23-1022.00 | Arbitrators, Mediators, and Conciliators**                                | 53-6051.03 | Marine Cargo Inspectors**                                |
| 19-1021.01 | Biochemists***  | 51-5023.02 | Offset Lithographic Press Setters and Set-Up Operators** |
| 19-1021.02 | Biophysicists***  | 19-2012.00 | Physicists***  |
| 29-1011.00 | Chiropractors***  | 51-5022.11 | Plate Finishers**  |
| 19-3031.03 | Counseling Psychologists***   | 11-1011.02 | Private Sector Executives***                             |
| 51-5022.08 | Dot Etchers   | 29-1066.00 | Psychiatrists***   |
| 49-2095.00 | Electrical and Electronics Repairers, Powerhouse, Substation, and Relay** | 11-3031.01 | Treasurers, Controllers, and Chief Financial Officers**  |
| 51-5022.10 | Electrotypers and Stereotypers**  | 29-1131.00 | Veterinarians***   |

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\*\*\* Indicates that the occupation was assigned to the group based on its third highest work value.

WORKING CONDITIONS

WORKING CONDITIONS—JOB ZONE 1 (Little or No Preparation Needed)

| O*NET-SOC# | O*NET-SOC Title  | O*NET-SOC# | O*NET-SOC Title  |
|------------|--|------------|--|
| 43-3021.03 | Billing, Posting, and Calculating Machine Operators**                    | 43-3061.00 | Procurement Clerks**   |
| 51-5011.02 | Bindery Machine Operators and Tenders**                                  | 51-9061.05 | Production Inspectors, Testers, Graders, Sorters, Samplers, Weighers** |
| 53-3021.00 | Bus Drivers, Transit and Intercity**                                     | 49-9045.00 | Refractory Materials Repairers, Except Brickmasons**                   |
| 39-9011.00 | Child Care Workers**   | 51-9141.00 | Semiconductor Processors**   |
| 43-4041.01 | Credit Authorizers**   | 51-6031.01 | Sewing Machine Operators, Garment**                                    |
| 43-4041.02 | Credit Checkers**  | 51-6031.02 | Sewing Machine Operators, Non-Garment**                                |
| 41-9091.00 | Door-To-Door Sales Workers, News and Street Vendors, and Related Workers | 43-2011.00 | Switchboard Operators, Including Answering Service**                   |
| 43-9051.02 | Mail Clerks, Except Mail Machine Operators and Postal Service**          | 41-9041.00 | Telemarketers  |
| 49-9043.00 | Maintenance Workers, Machinery**   | 53-3032.01 | Truck Drivers, Heavy   |
| 41-9012.00 | Models   | 53-3033.00 | Truck Drivers, Light or Delivery Services**                            |
| 43-5052.00 | Postal Service Mail Carriers**   |            |  |

WORKING CONDITIONS—JOB ZONE 2 (Some Preparation Needed)

| O*NET-SOC# | O*NET-SOC Title  | O*NET-SOC# | O*NET-SOC Title                                     |
|------------|--|------------|---|
| 43-3021.02 | Billing, Cost, and Rate Clerks                               | 51-9082.00 | Medical Appliance Technicians**                     |
| 43-3031.00 | Bookkeeping, Accounting, and Auditing Clerks                 | 43-4031.02 | Municipal Clerks**                                  |
| 43-4011.00 | Brokerage Clerks   | 43-3051.00 | Payroll and Timekeeping Clerks**                    |
| 51-8091.00 | Chemical Plant and System Operators**                        | 29-2052.00 | Pharmacy Technicians**                              |
| 49-9091.00 | Coin, Vending, and Amusement Machine Servicers and Repairers | 51-9131.03 | Photographic Hand Developers                        |
| 19-4011.02 | Food Science Technicians                                     | 51-5023.01 | Precision Printing Workers**                        |
| 51-7021.00 | Furniture Finishers  | 43-9081.00 | Proofreaders and Copy Markers**                     |
| 51-9071.06 | Gem and Diamond Workers**                                    | 41-4011.03 | Sales Representatives, Electrical/Electronic**      |
| 49-2092.06 | Hand and Portable Power Tool Repairers                       | 43-6014.00 | Secretaries, Except Legal, Medical, and Executive** |
| 43-4161.00 | Human Resources Assistants, Except Payroll and Timekeeping** | 43-9111.00 | Statistical Assistants                              |
|            |  | 23-2093.01 | Title Searchers**                                   |

WORKING CONDITIONS—JOB ZONE 3 (Medium Preparation Needed)

| O*NET-SOC# | O*NET-SOC Title  | O*NET-SOC# | O*NET-SOC Title                                    |
|------------|--|------------|--|
| 51-9071.04 | Bench Workers, Jewelry   | 49-9062.00 | Medical Equipment Repairers                        |
| 51-9081.00 | Dental Laboratory Technicians                                      | 29-2071.00 | Medical Records and Health Information Technicians |
| 49-2092.01 | Electric Home Appliance and Power Tool Repairers                   | 51-9071.03 | Model and Mold Makers, Jewelry                     |
| 49-2092.02 | Electric Motor and Switch Assemblers and Repairers                 | 51-4012.00 | Numerical Tool and Process Control Programmers     |
| 49-2097.00 | Electronic Home Entertainment Equipment Installers and Repairers   | 49-9063.04 | Percussion Instrument Repairers and Tuners         |
| 19-4091.00 | Environmental Science and Protection Technicians, Including Health | 51-9131.02 | Photographic Reproduction Technicians              |
| 49-9041.00 | Industrial Machinery Mechanics                                     | 51-9083.01 | Precision Lens Grinders and Polishers              |
| 49-9063.01 | Keyboard Instrument Repairers and Tuners                           | 49-2021.00 | Radio Mechanics                                    |
| 43-6012.00 | Legal Secretaries  | 47-2031.04 | Ship Carpenters and Joiners                        |
| 49-9094.00 | Locksmiths and Safe Repairers                                      | 51-6052.01 | Shop and Alteration Tailors                        |
|            |  | 49-9063.02 | Stringed Instrument Repairers and Tuners           |
|            |  | 49-9064.00 | Watch Repairers                                    |

Work Importance Locator

O\*NET™ Occupations Master List, v. 3.0

Table of Contents

|                              |    |
|------------------------------|----|
| Achievement . . . . .        | 1  |
| Independence . . . . .       | 5  |
| Recognition . . . . .        | 8  |
| Relationships . . . . .      | 10 |
| Support . . . . .            | 13 |
| Working Conditions . . . . . | 18 |

To help you explore careers, occupations have been listed for each Work Value/Job Zone category. Most of the occupations have been assigned to the groups based on their highest work value. In some cases, however, you will notice \*\* beside the occupational title. This means that the occupation was assigned to the group based on its second highest work value. In other cases, you will notice \*\*\* beside the occupational title. This means that the occupation was assigned to the group based on its third highest work value. Data are not currently available for 74 O\*NET-SOC occupations. These occupations do not appear in this list.

Special Notice: Proper Use of Work Importance Locator Results

**Work Importance Locator** results **should be used** for career exploration and vocational counseling purposes only. Results are designed to assist clients in identifying their work values and using them to identify occupations that may satisfy what is most important to them in an occupation.

**Work Importance Locator** results **should not be used** for employment or hiring decisions. Employers, educational programs, or other job related programs should not use **Work Importance Locator** results in applicant screening for jobs or training programs. The relationship between results on the **Work Importance Locator** and success in particular jobs or training programs has not been determined.

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SUPPORT (continued)

SUPPORT—JOB ZONE 5 (Extensive Preparation Needed)

| O*NET-SOC# | O*NET-SOC Title   | O*NET-SOC# | O*NET-SOC Title  |
|------------|---|------------|--|
| 51-5022.08 | Dot Etchers***  | 51-5021.00 | Job Printers**   |
| 49-2095.00 | Electrical and Electronics Repairers, Powerhouse, Substation, and Relay | 53-6051.03 | Marine Cargo Inspectors                                |
| 51-5022.10 | Electrotypers and Stereotypers  | 51-5023.02 | Offset Lithographic Press Setters and Set-Up Operators |
| 25-1191.00 | Graduate Teaching Assistants***   | 51-5022.11 | Plate Finishers  |

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SUPPORT (continued)

SUPPORT—JOB ZONE 3 (CONTINUED)

| O*NET-SOC# | O*NET-SOC Title   | O*NET-SOC# | O*NET-SOC Title  |
|------------|---|------------|--|
| 53-4012.00 | Locomotive Firers   | 47-2171.00 | Reinforcing Iron and Rebar Workers   |
| 49-9042.00 | Maintenance and Repair Workers, General   | 49-9096.00 | Riggers  |
| 51-9061.01 | Materials Inspectors  | 47-5012.00 | Rotary Drill Operators, Oil and Gas  |
| 53-5021.02 | Mates- Ship, Boat, and Barge  | 51-5023.06 | Screen Printing Machine Setters and Set-Up Operators                               |
| 49-9011.00 | Mechanical Door Repairers   | 47-2211.00 | Sheet Metal Workers  |
| 43-6013.00 | Medical Secretaries   | 51-8021.02 | Stationary Engineers   |
| 51-4035.00 | Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic              | 47-2221.00 | Structural Iron and Steel Workers  |
| 51-4193.03 | Nonelectrolytic Plating and Coating Machine Setters and Set-Up Operators, Metal and Plastic | 53-7121.00 | Tank Car, Truck, and Ship Loaders  |
| 19-4051.01 | Nuclear Equipment Operation Technicians   | 49-2022.04 | Telecommunications Facility Examiners  |
| 19-4051.02 | Nuclear Monitoring Technicians  | 49-9052.00 | Telecommunications Line Installers and Repairers                                   |
| 49-2011.03 | Office Machine and Cash Register Servicers  | 51-6062.00 | Textile Cutting Machine Setters, Operators, and Tenders                            |
| 47-2073.02 | Operating Engineers   | 51-6063.00 | Textile Knitting and Weaving Machine Setters, Operators, and Tenders               |
| 13-1071.02 | Personnel Recruiters  | 51-6064.00 | Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders |
| 51-8093.01 | Petroleum Pump System Operators   | 23-2093.02 | Title Examiners and Abstractors  |
| 33-3021.02 | Police Identification and Records Officers  | 51-4194.00 | Tool Grinders, Filers, and Sharpeners  |
| 51-9061.03 | Precision Devices Inspectors and Testers  | 49-9012.02 | Valve and Regulator Repairers  |
| 51-6011.02 | Precision Dyers   | 51-4122.01 | Welding Machine Setters and Set-Up Operators                                       |
| 51-9195.01 | Precision Mold and Pattern Casters, except Nonferrous Metals                                | 47-5021.02 | Well and Core Drill Operators  |
| 21-1092.00 | Probation Officers and Correctional Treatment Specialists                                   |            |  |

SUPPORT—JOB ZONE 4 (Considerable Preparation Needed)

| O*NET-SOC# | O*NET-SOC Title                                     | O*NET-SOC# | O*NET-SOC Title  |
|------------|---|------------|--|
| 53-6051.01 | Aviation Inspectors                                 | 51-9061.02 | Mechanical Inspectors  |
| 49-2091.00 | Avionics Technicians                                | 51-2041.01 | Metal Fabricators, Structural Metal Products                           |
| 47-2011.00 | Boilermakers  | 49-9044.00 | Millwrights  |
| 51-5012.00 | Bookbinders   | 51-8011.00 | Nuclear Power Reactor Operators  |
| 17-3023.02 | Calibration and Instrumentation Technicians         | 51-9083.02 | Optical Instrument Assemblers  |
| 47-2081.01 | Ceiling Tile Installers                             | 51-4062.00 | Patternmakers, Metal and Plastic                                       |
| 49-2022.01 | Central Office and PBX Installers and Repairers     | 51-8093.02 | Petroleum Refinery and Control Panel Operators                         |
| 13-1031.01 | Claims Examiners, Property and Casualty Insurance   | 51-8012.00 | Power Distributors and Dispatchers                                     |
| 13-2041.00 | Credit Analysts                                     | 51-8013.01 | Power Generating Plant Operators, Except Auxiliary Equipment Operators |
| 49-9051.00 | Electrical Power-Line Installers and Repairers      | 51-9195.02 | Precision Pattern and Die Casters, Nonferrous Metals                   |
| 17-3024.00 | Electro-Mechanical Technicians                      | 13-1041.05 | Pressure Vessel Inspectors   |
| 47-4021.00 | Elevator Installers and Repairers                   | 53-6051.02 | Public Transportation Inspectors                                       |
| 51-5023.08 | Engraver Set-Up Operators                           | 53-4031.00 | Railroad Conductors and Yardmasters                                    |
| 13-1041.03 | Equal Opportunity Representatives and Officers      | 49-9021.02 | Refrigeration Mechanics  |
| 43-6011.00 | Executive Secretaries and Administrative Assistants | 47-5013.00 | Service Unit Operators, Oil, Gas, and Mining                           |
| 51-2041.02 | Fitters, Structural Metal- Precision                | 49-9097.00 | Signal and Track Switch Repairers                                      |
| 49-9031.02 | Gas Appliance Repairers                             | 49-2022.05 | Station Installers and Repairers, Telephone                            |
| 53-7071.02 | Gas Compressor Operators                            | 17-3031.01 | Surveying Technicians  |
| 51-5022.01 | Hand Compositors and Typesetters                    | 13-2081.00 | Tax Examiners, Collectors, and Revenue Agents                          |
| 13-1032.00 | Insurance Appraisers, Auto Damage                   | 51-4111.00 | Tool and Die Makers  |
| 13-2053.00 | Insurance Underwriters                              | 53-6041.00 | Traffic Technicians  |
| 13-2071.00 | Loan Counselors                                     | 49-2092.04 | Transformer Repairers  |
| 13-2072.00 | Loan Officers                                       | 51-4121.03 | Welder-Fitters   |
| 53-4011.00 | Locomotive Engineers                                | 53-7073.00 | Wellhead Pumps   |
| 51-4041.00 | Machinists  |            |  |

ACHIEVEMENT

ACHIEVEMENT—JOB ZONE 1 (Little or No Preparation Needed)

| O*NET-SOC# | O*NET-SOC Title   | O*NET-SOC# | O*NET-SOC Title   |
|------------|---|------------|---|
| 53-3011.00 | Ambulance Drivers and Attendants, Except Emergency Medical Technicians*** | 41-9012.00 | Models***   |
| 51-9194.05 | Etchers, Hand**   | 51-9123.00 | Painting, Coating, and Decorating Workers**                             |
| 45-2093.00 | Farmworkers, Farm and Ranch Animals***                                    | 51-5023.09 | Printing Press Machine Operators and Tenders**                          |
| 45-4011.00 | Forest and Conservation Workers   | 51-9061.05 | Production Inspectors, Testers, Graders, Sorters, Samplers, Weighers*** |
| 45-2092.02 | General Farmworkers***  | 51-9141.00 | Semiconductor Processors***   |
| 31-1011.00 | Home Health Aides***  | 53-3033.00 | Truck Drivers, Light or Delivery Services***                            |

ACHIEVEMENT—JOB ZONE 2 (Some Preparation Needed)

| O*NET-SOC# | O*NET-SOC Title                                   | O*NET-SOC# | O*NET-SOC Title  |
|------------|---|------------|--|
| 45-2091.00 | Agricultural Equipment Operators                  | 33-9021.00 | Private Detectives and Investigators   |
| 49-3023.02 | Automotive Specialty Technicians                  | 27-3011.00 | Radio and Television Announcers  |
| 47-2031.03 | Carpenter Assemblers and Repairers                | 41-4011.01 | Sales Representatives, Agricultural  |
| 49-9092.00 | Commercial Divers                                 | 41-4011.03 | Sales Representatives, Electrical/Electronic   |
| 29-2041.00 | Emergency Medical Technicians and Paramedics      | 41-4011.04 | Sales Representatives, Mechanical Equipment and Supplies                                     |
| 51-6092.00 | Fabric and Apparel Patternmakers                  | 41-4012.00 | Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products |
| 33-2021.01 | Fire Inspectors                                   | 33-3051.03 | Sheriffs and Deputy Sheriffs   |
| 27-1023.00 | Floral Designers                                  | 51-6041.00 | Shoe and Leather Workers and Repairers   |
| 33-2011.02 | Forest Fire Fighters                              | 27-2042.01 | Singers  |
| 33-2022.00 | Forest Fire Inspectors and Prevention Specialists | 47-2044.00 | Tile and Marble Setters  |
| 51-9071.06 | Gem and Diamond Workers                           | 51-2093.00 | Timing Device Assemblers, Adjusters, and Calibrators   |
| 39-5091.00 | Makeup Artists, Theatrical and Performance        | 33-3052.00 | Transit and Railroad Police  |
| 29-2012.00 | Medical and Clinical Laboratory Technicians       |            |  |
| 51-9082.00 | Medical Appliance Technicians                     |            |  |
| 49-3052.00 | Motorcycle Mechanics                              |            |  |
| 33-2011.01 | Municipal Fire Fighters                           |            |  |

ACHIEVEMENT—JOB ZONE 3 (Medium Preparation Needed)

| O*NET-SOC# | O*NET-SOC Title   | O*NET-SOC# | O*NET-SOC Title   |
|------------|---|------------|---|
| 27-2011.00 | Actors  | 51-9194.02 | Engravers/Carvers   |
| 41-3011.00 | Advertising Sales Agents  | 13-1041.01 | Environmental Compliance Inspectors                         |
| 49-3011.03 | Aircraft Body and Bonded Structure Repairers                              | 49-3041.00 | Farm Equipment Mechanics                                    |
| 27-2021.00 | Athletes and Sports Competitors   | 27-1022.00 | Fashion Designers   |
| 49-3021.00 | Automotive Body and Related Repairers                                     | 39-1021.00 | First-Line Supervisors/Managers of Personal Service Workers |
| 49-3023.01 | Automotive Master Mechanics   | 33-3051.02 | Highway Patrol Pilots                                       |
| 47-2021.00 | Brickmasons and Blockmasons   | 17-3026.00 | Industrial Engineering Technicians                          |
| 49-3031.00 | Bus and Truck Mechanics and Diesel Engine Specialists                     | 13-1031.02 | Insurance Adjusters, Examiners, and Investigators           |
| 51-7011.00 | Cabinetmakers and Bench Carpenters  | 41-3021.00 | Insurance Sales Agents                                      |
| 27-3043.03 | Caption Writers   | 27-3091.00 | Interpreters and Translators                                |
| 19-4031.00 | Chemical Technicians  | 17-3031.02 | Mapping Technicians   |
| 17-3011.02 | Civil Drafters  | 27-1026.00 | Merchandise Displayers and Window Trimmers                  |
| 13-1072.00 | Compensation, Benefits, and Job Analysis Specialists                      | 49-3051.00 | Motorboat Mechanics   |
| 49-2094.00 | Electrical and Electronics Repairers, Commercial and Industrial Equipment | 25-4013.00 | Museum Technicians and Conservators                         |
| 47-2111.00 | Electricians  | 29-2091.00 | Orthotists and Prosthetists                                 |
| 17-3012.01 | Electronic Drafters   | 49-3053.00 | Outdoor Power Equipment and Other Small Engine Mechanics    |

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\*\*\* Indicates that the occupation was assigned to the group based on its third highest work value.

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ACHIEVEMENT (continued)

ACHIEVEMENT—JOB ZONE 3 (CONTINUED)

| O*NET-SOC# | O*NET-SOC Title                                  | O*NET-SOC# | O*NET-SOC Title                                    |
|------------|--|------------|--|
| 27-4021.02 | Photographers, Scientific                        | 47-2031.02 | Rough Carpenters                                   |
| 51-9131.01 | Photographic Retouchers and Restorers            | 41-4011.02 | Sales Representatives, Chemical and Pharmaceutical |
| 33-3051.01 | Police Patrol Officers                           | 51-9071.02 | Silversmiths                                       |
| 51-9194.01 | Precision Etchers and Engravers, Hand or Machine | 27-1013.02 | Sketch Artists                                     |
| 27-4021.01 | Professional Photographers                       | 27-4014.00 | Sound Engineering Technicians                      |
| 27-3012.00 | Public Address System and Other Announcers       | 51-9195.03 | Stone Cutters and Carvers                          |
| 27-4013.00 | Radio Operators                                  | 49-9063.02 | Stringed Instrument Repairers and Tuners           |
| 49-3043.00 | Rail Car Repairers                               | 27-2023.00 | Umpires, Referees, and Other Sports Officials      |

ACHIEVEMENT—JOB ZONE 4 (Considerable Preparation Needed)

| O*NET-SOC# | O*NET-SOC Title  | O*NET-SOC# | O*NET-SOC Title   |
|------------|--|------------|---|
| 25-3011.00 | Adult Literacy, Remedial Education, and GED Teachers and Instructors           | 11-9032.00 | Education Administrators, Elementary and Secondary School         |
| 11-2011.00 | Advertising and Promotions Managers  | 11-9031.00 | Education Administrators, Preschool and Child Care Center/Program |
| 17-3021.00 | Aerospace Engineering and Operations Technicians                               | 19-3031.01 | Educational Psychologists   |
| 53-2021.00 | Air Traffic Controllers  | 21-1012.00 | Educational, Vocational, and School Counselors                    |
| 49-3011.02 | Aircraft Engine Specialists  | 17-3012.02 | Electrical Drafters   |
| 49-3011.01 | Airframe-and-Power-Plant Mechanics   | 17-3023.03 | Electrical Engineering Technicians                                |
| 53-2011.00 | Airline Pilots, Copilots, and Flight Engineers                                 | 17-3023.01 | Electronics Engineering Technicians                               |
| 17-1011.00 | Architects, Except Landscape and Naval   | 25-2021.00 | Elementary School Teachers, Except Special Education              |
| 17-3011.01 | Architectural Drafters   | 19-1041.00 | Epidemiologists   |
| 27-1011.00 | Art Directors  | 27-1027.02 | Exhibit Designers   |
| 19-2021.00 | Atmospheric and Space Scientists   | 25-9021.00 | Farm and Home Management Advisors                                 |
| 29-1121.00 | Audiologists   | 11-3031.02 | Financial Managers, Branch or Department                          |
| 47-2031.05 | Boat Builders and Shipwrights  | 33-2021.02 | Fire Investigators  |
| 27-3021.00 | Broadcast News Analysts  | 33-1012.00 | First-Line Supervisors/Managers of Police and Detectives          |
| 27-4012.00 | Broadcast Technicians  | 19-4092.00 | Forensic Science Technicians                                      |
| 27-4031.00 | Camera Operators, Television, Video, and Motion Picture                        | 51-9195.04 | Glass Blowers, Molders, Benders, and Finishers                    |
| 17-1021.00 | Cartographers and Photogrammetrists  | 11-1011.01 | Government Service Executives                                     |
| 27-1013.03 | Cartoonists  | 27-1024.00 | Graphic Designers   |
| 19-2031.00 | Chemists   | 11-3040.00 | Human Resources Managers  |
| 33-3021.04 | Child Support, Missing Persons, and Unemployment Insurance Fraud Investigators | 27-1025.00 | Interior Designers  |
| 21-1021.00 | Child, Family, and School Social Workers                                       | 51-9071.01 | Jewelers  |
| 17-3022.00 | Civil Engineering Technicians  | 13-1111.00 | Management Analysts   |
| 17-2051.00 | Civil Engineers  | 19-3021.00 | Market Research Analysts  |
| 27-1021.00 | Commercial and Industrial Designers  | 11-2021.00 | Marketing Managers  |
| 53-2012.00 | Commercial Pilots  | 15-3011.00 | Mathematical Technicians  |
| 11-3041.00 | Compensation and Benefits Managers   | 17-3013.00 | Mechanical Drafters   |
| 17-2061.00 | Computer Hardware Engineers  | 17-3027.00 | Mechanical Engineering Technicians                                |
| 15-1021.00 | Computer Programmers   | 29-2011.00 | Medical and Clinical Laboratory Technologists                     |
| 15-1031.00 | Computer Software Engineers, Applications                                      | 21-1022.00 | Medical and Public Health Social Workers                          |
| 15-1032.00 | Computer Software Engineers, Systems Software                                  | 19-1042.00 | Medical Scientists, Except Epidemiologists                        |
| 15-1041.00 | Computer Support Specialists   | 21-1023.00 | Mental Health and Substance Abuse Social Workers                  |
| 47-2031.01 | Construction Carpenters  | 21-1014.00 | Mental Health Counselors  |
| 27-3043.02 | Creative Writers   | 25-2022.00 | Middle School Teachers, Except Special and Vocational Education   |
| 33-3021.03 | Criminal Investigators and Special Agents                                      | 49-3042.00 | Mobile Heavy Equipment Mechanics, Except Engines                  |
| 27-2031.00 | Dancers  | 51-4061.00 | Model Makers, Metal and Plastic                                   |
| 29-1031.00 | Dietitians and Nutritionists   |            |   |
| 27-3041.00 | Editors  |            |   |

SUPPORT (continued)

SUPPORT—JOB ZONE 2 (CONTINUED)

| O*NET-SOC# | O*NET-SOC Title   | O*NET-SOC# | O*NET-SOC Title   |
|------------|---|------------|---|
| 51-4031.03 | Press and Press Brake Machine Setters and Set-Up Operators, Metal and Plastic | 51-3023.00 | Slaughterers and Meat Packers                                   |
| 43-5061.00 | Production, Planning, and Expediting Clerks                                   | 21-1093.00 | Social and Human Service Assistants                             |
| 43-9081.00 | Proofreaders and Copy Markers   | 51-4122.03 | Soldering and Brazing Machine Setters and Set-Up Operators      |
| 53-7072.00 | Pump Operators, Except Wellhead Pumps   | 43-3021.01 | Statement Clerks  |
| 51-4031.02 | Punching Machine Setters and Set-Up Operators, Metal and Plastic              | 43-5081.03 | Stock Clerks- Stockroom, Warehouse, or Storage Yard             |
| 53-4013.00 | Rail Yard Engineers, Dinkey Operators, and Hostlers                           | 51-9032.02 | Stone Sawyers   |
| 53-6051.04 | Railroad Inspectors   | 53-4041.00 | Subway and Streetcar Operators                                  |
| 49-3092.00 | Recreational Vehicle Service Technicians                                      | 47-2082.00 | Tapers  |
| 43-4181.02 | Reservation and Transportation Ticket Agents                                  | 13-2082.00 | Tax Preparers   |
| 41-2031.00 | Retail Salespersons   | 23-2093.01 | Title Searchers   |
| 51-4023.00 | Rolling Machine Setters, Operators, and Tenders, Metal and Plastic            | 53-3032.02 | Tractor-Trailer Truck Drivers                                   |
| 47-5061.00 | Roof Bolters, Mining  | 53-4021.01 | Train Crew Members  |
| 47-5071.00 | Roustabouts, Oil and Gas  | 43-4181.01 | Travel Clerks   |
| 51-7041.02 | Sawing Machine Operators and Tenders  | 51-5022.12 | Typesetting and Composing Machine Operators and Tenders         |
| 51-7041.01 | Sawing Machine Setters and Set-Up Operators                                   | 51-8031.00 | Water and Liquid Waste Treatment Plant and System Operators     |
| 51-4031.01 | Sawing Machine Tool Setters and Set-Up Operators, Metal and Plastic           | 51-4121.02 | Welders and Cutters   |
| 43-6014.00 | Secretaries, Except Legal, Medical, and Executive                             | 51-4122.02 | Welding Machine Operators and Tenders                           |
| 47-4071.00 | Septic Tank Servicers and Sewer Pipe Cleaners                                 | 51-7042.01 | Woodworking Machine Setters and Set-Up Operators, Except Sawing |
| 51-4031.04 | Shear and Slitter Machine Setters and Set-Up Operators, Metal and Plastic     | 43-9022.00 | Word Processors and Typists                                     |
| 53-7111.00 | Shuttle Car Operators   |            |   |

SUPPORT—JOB ZONE 3 (Medium Preparation Needed)

| O*NET-SOC# | O*NET-SOC Title  | O*NET-SOC# | O*NET-SOC Title   |
|------------|--|------------|---|
| 51-2011.03 | Aircraft Rigging Assemblers  | 49-2096.00 | Electronic Equipment Installers and Repairers, Motor Vehicles                     |
| 51-2011.01 | Aircraft Structure Assemblers, Precision   | 51-5023.07 | Embossing Machine Set-Up Operators  |
| 51-2011.02 | Aircraft Systems Assemblers, Precision   | 51-2031.00 | Engine and Other Machine Assemblers   |
| 49-2011.01 | Automatic Teller Machine Servicers   | 51-9194.00 | Engravers, Hand   |
| 51-3011.01 | Bakers, Bread and Pastry   | 51-3092.00 | Food Batchmakers  |
| 51-3011.02 | Bakers, Manufacturing  | 51-8092.02 | Gas Distribution Plant Operators  |
| 51-4072.05 | Casting Machine Set-Up Operators   | 51-8093.03 | Gaugers   |
| 19-4061.01 | City Planning Aides  | 19-4041.01 | Geological Data Technicians   |
| 51-4081.01 | Combination Machine Tool Setters and Set-Up Operators, Metal and Plastic                 | 19-4041.02 | Geological Sample Test Technicians  |
| 49-2022.03 | Communication Equipment Mechanics, Installers, and Repairers                             | 13-1041.04 | Government Property Inspectors and Investigators                                  |
| 43-9011.00 | Computer Operators   | 51-4033.01 | Grinding, Honing, Lapping, and Deburring Machine Set-Up Operators                 |
| 43-4031.01 | Court Clerks   | 51-4191.01 | Heating Equipment Setters and Set-Up Operators, Metal and Plastic                 |
| 51-5023.04 | Design Printing Machine Setters and Set-Up Operators                                     | 33-3021.05 | Immigration and Customs Inspectors  |
| 49-9012.01 | Electric Meter Installers and Repairers  | 47-2131.00 | Insulation Workers, Floor, Ceiling, and Wall                                      |
| 51-2022.00 | Electrical and Electronic Equipment Assemblers   | 47-2132.00 | Insulation Workers, Mechanical  |
| 51-9061.04 | Electrical and Electronic Inspectors and Testers   | 51-4034.00 | Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic |
| 49-2093.00 | Electrical and Electronics Installers and Repairers, Transportation Equipment            | 51-4192.00 | Lay-Out Workers, Metal and Plastic  |
| 51-4193.01 | Electrolytic Plating and Coating Machine Setters and Set-Up Operators, Metal and Plastic | 43-6012.00 | Legal Secretaries   |
| 51-2023.00 | Electromechanical Equipment Assemblers   | 51-5023.03 | Letterpress Setters and Set-Up Operators  |
|            |  | 13-1041.02 | Licensing Examiners and Inspectors  |



SUPPORT (continued)

SUPPORT—JOB ZONE 2 (Some Preparation Needed)

| O*NET-SOC# | O*NET-SOC Title   | O*NET-SOC# | O*NET-SOC Title  |
|------------|---|------------|--|
| 53-5011.01 | Able Seamen   | 39-3012.00 | Gaming and Sports Book Writers and Runners   |
| 43-4051.01 | Adjustment Clerks   | 39-3011.00 | Gaming Dealers   |
| 19-4011.01 | Agricultural Technicians  | 51-8092.01 | Gas Processing Plant Operators   |
| 33-9011.00 | Animal Control Workers  | 53-7071.01 | Gas Pumping Station Operators  |
| 49-3022.00 | Automotive Glass Installers and Repairers   | 47-2073.01 | Grader, Bulldozer, and Scraper Operators   |
| 51-8013.02 | Auxiliary Equipment Operators, Power  | 53-7062.02 | Grips and Set-Up Workers, Motion Picture Sets, Studios, and Stages                       |
| 49-2092.03 | Battery Repairers   | 51-4191.02 | Heat Treating, Annealing, and Tempering Machine Operators and Tenders, Metal and Plastic |
| 43-3011.00 | Bill and Account Collectors   | 51-4191.03 | Heaters, Metal and Plastic   |
| 51-5011.01 | Bindery Machine Setters and Set-Up Operators  | 47-3013.00 | Helpers—Electricians   |
| 19-4021.00 | Biological Technicians  | 43-4081.00 | Hotel, Motel, and Resort Desk Clerks   |
| 51-8021.01 | Boiler Operators and Tenders, Low Pressure  | 43-4161.00 | Human Resources Assistants, Except Payroll and Timekeeping                               |
| 47-2031.06 | Brattice Builders   | 43-9041.01 | Insurance Claims Clerks  |
| 51-4121.05 | Brazers   | 43-9041.02 | Insurance Policy Processing Clerks   |
| 53-6011.00 | Bridge and Lock Tenders   | 47-4041.01 | Irradiated-Fuel Handlers   |
| 51-4033.02 | Buffing and Polishing Set-Up Operators  | 43-4031.03 | License Clerks   |
| 53-3022.00 | Bus Drivers, School   | 53-7033.00 | Loading Machine Operators, Underground Mining  |
| 43-5011.00 | Cargo and Freight Agents  | 43-4131.00 | Loan Interviewers and Clerks   |
| 51-9011.01 | Chemical Equipment Controllers and Operators  | 45-4023.00 | Log Graders and Scalars  |
| 51-9011.02 | Chemical Equipment Tenders  | 45-4022.01 | Logging Tractor Operators  |
| 51-8091.00 | Chemical Plant and System Operators   | 49-9095.00 | Manufactured Building and Mobile Home Installers   |
| 43-4061.01 | Claims Takers, Unemployment Benefits  | 31-9093.00 | Medical Equipment Preparers  |
| 51-9121.01 | Coating, Painting, and Spraying Machine Setters and Set-Up Operators                | 51-4072.03 | Metal Molding, Coremaking, and Casting Machine Setters and Set-Up Operators              |
| 51-2021.00 | Coil Winders, Tapers, and Finishers   | 51-4051.00 | Metal-Refining Furnace Operators and Tenders   |
| 51-4081.02 | Combination Machine Tool Operators and Tenders, Metal and Plastic                   | 49-9012.03 | Meter Mechanics  |
| 47-5021.01 | Construction Drillers   | 47-5042.00 | Mine Cutting and Channeling Machine Operators  |
| 47-2061.00 | Construction Laborers   | 51-9195.06 | Mold Makers, Hand  |
| 47-5041.00 | Continuous Mining Machine Operators   | 51-9195.07 | Molding and Casting Workers  |
| 33-3012.00 | Correctional Officers and Jailers   | 39-3021.00 | Motion Picture Projectionists  |
| 43-4021.00 | Correspondence Clerks   | 53-6051.05 | Motor Vehicle Inspectors   |
| 53-7021.00 | Crane and Tower Operators   | 43-4031.02 | Municipal Clerks   |
| 43-4051.02 | Customer Service Representatives, Utilities   | 43-4141.00 | New Accounts Clerks  |
| 43-9021.00 | Data Entry Keyers   | 51-4011.01 | Numerical Control Machine Tool Operators and Tenders, Metal and Plastic                  |
| 47-5011.00 | Derrick Operators, Oil and Gas  | 43-4151.00 | Order Clerks   |
| 43-5032.00 | Dispatchers, Except Police, Fire, and Ambulance                                     | 43-5081.04 | Order Fillers, Wholesale and Retail Sales  |
| 53-7032.02 | Dragline Operators  | 53-5011.02 | Ordinary Seamen and Marine Oilers  |
| 53-7031.00 | Dredge Operators  | 51-9122.00 | Painters, Transportation Equipment   |
| 51-4032.00 | Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic | 51-9196.00 | Paper Goods Machine Setters, Operators, and Tenders                                      |
| 47-2081.02 | Drywall Installers  | 41-2022.00 | Parts Salespersons   |
| 49-2092.05 | Electrical Parts Reconditioners   | 47-2071.00 | Paving, Surfacing, and Tamping Equipment Operators                                       |
| 51-4193.02 | Electrolytic Plating and Coating Machine Operators and Tenders, Metal and Plastic   | 43-3051.00 | Payroll and Timekeeping Clerks   |
| 53-7032.01 | Excavating and Loading Machine Operators  | 37-2021.00 | Pest Control Workers   |
| 47-5031.00 | Explosives Workers, Ordnance Handling Experts, and Blasters                         | 51-5022.13 | Photoengraving and Lithographing Machine Operators and Tenders                           |
| 51-4021.00 | Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic    | 51-9132.00 | Photographic Processing Machine Operators  |
| 51-9041.01 | Extruding, Forming, Pressing, and Compacting Machine Setters and Set-Up Operators   | 47-2151.00 | Pipelayers   |
| 51-9032.01 | Fiber Product Cutting Machine Setters and Set-Up Operators                          | 51-4072.01 | Plastic Molding and Casting Machine Setters and Set-Up Operators                         |
| 51-4022.00 | Forging Machine Setters, Operators, and Tenders, Metal and Plastic                  | 43-5031.00 | Police, Fire, and Ambulance Dispatchers  |
| 51-4071.00 | Foundry Mold and Coremakers   | 43-5051.00 | Postal Service Clerks  |
| 49-2022.02 | Frame Wiers, Central Office   | 51-5023.01 | Precision Printing Workers   |
| 53-6051.06 | Freight Inspectors  |            |  |

ACHIEVEMENT (continued)

ACHIEVEMENT—JOB ZONE 4 (CONTINUED)

| O*NET-SOC# | O*NET-SOC Title  | O*NET-SOC# | O*NET-SOC Title  |
|------------|--|------------|--|
| 51-7031.00 | Model Makers, Wood   | 29-2034.01 | Radiologic Technologists   |
| 33-1021.01 | Municipal Fire Fighting and Prevention Supervisors             | 29-1111.00 | Registered Nurses  |
| 27-2041.02 | Music Arrangers and Orchestrators                              | 27-3022.00 | Reporters and Correspondents   |
| 15-1081.00 | Network Systems and Data Communications Analysts               | 25-2031.00 | Secondary School Teachers, Except Special and Vocational Education         |
| 29-2033.00 | Nuclear Medicine Technologists                                 | 25-3021.00 | Self-Enrichment Education Teachers   |
| 29-1122.00 | Occupational Therapists  | 11-9151.00 | Social and Community Service Managers                                      |
| 29-2081.00 | Opticians, Dispensing  | 25-2042.00 | Special Education Teachers, Middle School                                  |
| 29-1041.00 | Optometrists   | 25-2041.00 | Special Education Teachers, Preschool, Kindergarten, and Elementary School |
| 27-1013.01 | Painters and Illustrators                                      | 25-2043.00 | Special Education Teachers, Secondary School                               |
| 51-7032.00 | Patternmakers, Wood  | 29-1127.00 | Speech-Language Pathologists   |
| 51-9071.05 | Pewter Casters and Finishers                                   | 15-2041.00 | Statisticians  |
| 29-1051.00 | Pharmacists  | 47-2022.00 | Stonemasons  |
| 51-5022.03 | Photoengravers   | 21-1011.00 | Substance Abuse and Behavioral Disorder Counselors                         |
| 29-1123.00 | Physical Therapists  | 17-1022.00 | Surveyors  |
| 29-1071.00 | Physician Assistants   | 11-3042.00 | Training and Development Managers  |
| 47-2152.01 | Pipe Fitters   | 19-3051.00 | Urban and Regional Planners  |
| 29-1081.00 | Podiatrists  | 25-1194.00 | Vocational Education Teachers, Postsecondary                               |
| 27-3043.01 | Poets and Lyricists  | 25-2023.00 | Vocational Education Teachers, Middle School                               |
| 33-3021.01 | Police Detectives  | 25-2032.00 | Vocational Education Teachers, Secondary School                            |
| 27-3031.00 | Public Relations Specialists                                   |            |  |
| 13-1023.00 | Purchasing Agents, Except Wholesale, Retail, and Farm Products |            |  |

ACHIEVEMENT—JOB ZONE 5 (Extensive Preparation Needed)

| O*NET-SOC# | O*NET-SOC Title  | O*NET-SOC# | O*NET-SOC Title  |
|------------|--|------------|--|
| 17-2011.00 | Aerospace Engineers  | 19-2041.00 | Environmental Scientists and Specialists, Including Health |
| 25-1041.00 | Agricultural Sciences Teachers, Postsecondary              | 29-1062.00 | Family and General Practitioners                           |
| 29-1061.00 | Anesthesiologists  | 25-1124.00 | Foreign Language and Literature Teachers, Postsecondary    |
| 25-1061.00 | Anthropology and Archeology Teachers, Postsecondary        | 25-1043.00 | Forestry and Conservation Science Teachers, Postsecondary  |
| 25-4011.00 | Archivists   | 19-2042.01 | Geologists   |
| 25-1062.00 | Area, Ethnic, and Cultural Studies Teachers, Postsecondary | 21-1091.00 | Health Educators   |
| 25-1121.00 | Art, Drama, and Music Teachers, Postsecondary              | 25-1071.00 | Health Specialties Teachers, Postsecondary                 |
| 29-9091.00 | Athletic Trainers  | 25-1125.00 | History Teachers, Postsecondary                            |
| 25-1042.00 | Biological Science Teachers, Postsecondary                 | 29-1063.00 | Internists, General  |
| 19-1020.01 | Biologists   | 17-1012.00 | Landscape Architects                                       |
| 17-2041.00 | Chemical Engineers   | 23-1011.00 | Lawyers  |
| 25-1052.00 | Chemistry Teachers, Postsecondary                          | 17-2121.02 | Marine Architects  |
| 29-1011.00 | Chiropractors  | 17-2121.01 | Marine Engineers   |
| 21-2011.00 | Clergy   | 25-1022.00 | Mathematical Science Teachers, Postsecondary               |
| 25-1021.00 | Computer Science Teachers, Postsecondary                   | 15-2021.00 | Mathematicians   |
| 19-3031.03 | Counseling Psychologists                                   | 27-2041.01 | Music Directors  |
| 29-1021.00 | Dentists, General  | 27-2042.02 | Musicians, Instrumental                                    |
| 21-2021.00 | Directors, Religious Activities and Education              | 17-2161.00 | Nuclear Engineers  |
| 25-1063.00 | Economics Teachers, Postsecondary                          | 25-1072.00 | Nursing Instructors and Teachers, Postsecondary            |
| 19-3011.00 | Economists   | 29-1064.00 | Obstetricians and Gynecologists                            |
| 11-9033.00 | Education Administrators, Postsecondary                    | 29-1022.00 | Oral and Maxillofacial Surgeons                            |
| 25-1032.00 | Engineering Teachers, Postsecondary                        | 29-1023.00 | Orthodontists  |
| 25-1123.00 | English Language and Literature Teachers, Postsecondary    | 29-1065.00 | Pediatricians, General                                     |

\*\* Indicates that the occupation was assigned to the group based on its second highest work value.  
\*\*\* Indicates that the occupation was assigned to the group based on its third highest work value.

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\*\*\* Indicates that the occupation was assigned to the group based on its third highest work value.

ACHIEVEMENT (continued)

ACHIEVEMENT—JOB ZONE 5 (CONTINUED)

| O*NET-SOC# | O*NET-SOC Title                           | O*NET-SOC# | O*NET-SOC Title                                       |
|------------|---|------------|---|
| 17-2171.00 | Petroleum Engineers                       | 27-1013.04 | Sculptors   |
| 19-2012.00 | Physicists                                | 27-1027.01 | Set Designers   |
| 25-1054.00 | Physics Teachers, Postsecondary           | 53-5031.00 | Ship Engineers  |
| 25-1065.00 | Political Science Teachers, Postsecondary | 25-1067.00 | Sociology Teachers, Postsecondary                     |
| 17-2111.03 | Product Safety Engineers                  | 29-1067.00 | Surgeons  |
| 29-1024.00 | Prosthodontists                           | 27-3042.00 | Technical Writers                                     |
| 29-1066.00 | Psychiatrists                             | 11-3031.01 | Treasurers, Controllers, and Chief Financial Officers |
| 25-1066.00 | Psychology Teachers, Postsecondary        | 29-1131.00 | Veterinarians   |
| 41-9031.00 | Sales Engineers                           | 19-1023.00 | Zoologists and Wildlife Biologists                    |

SUPPORT

SUPPORT—JOB ZONE 1 (Little or No Preparation Needed)

| O*NET-SOC# | O*NET-SOC Title  | O*NET-SOC# | O*NET-SOC Title   |
|------------|--|------------|---|
| 33-3011.00 | Bailiffs   | 43-5081.02 | Marking Clerks  |
| 43-3021.03 | Billing, Posting, and Calculating Machine Operators                            | 51-3022.00 | Meat, Poultry, and Fish Cutters and Trimmers  |
| 51-5011.02 | Bindery Machine Operators and Tenders  | 51-4072.04 | Metal Molding, Coremaking, and Casting Machine Operators and Tenders                                |
| 53-3021.00 | Bus Drivers, Transit and Intercity   | 43-5041.00 | Meter Readers, Utilities  |
| 41-2011.00 | Cashiers   | 51-9023.00 | Mixing and Blending Machine Setters, Operators, and Tenders   |
| 51-9191.00 | Cementing and Gluing Machine Operators and Tenders                             | 51-4193.04 | Nonelectrolytic Plating and Coating Machine Operators and Tenders, Metal and Plastic                |
| 43-2021.02 | Central Office Operators   | 39-2021.00 | Nonfarm Animal Caretakers   |
| 51-9192.00 | Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders          | 45-2092.01 | Nursery Workers   |
| 51-9121.02 | Coating, Painting, and Spraying Machine Operators and Tenders                  | 43-9061.00 | Office Clerks, General  |
| 53-7011.00 | Conveyor Operators and Tenders   | 51-9111.00 | Packaging and Filling Machine Operators and Tenders   |
| 51-9193.00 | Cooling and Freezing Equipment Operators and Tenders                           | 53-7064.00 | Packers and Packagers, Hand   |
| 43-4041.01 | Credit Authorizers   | 51-9123.00 | Painting, Coating, and Decorating Workers   |
| 43-4041.02 | Credit Checkers  | 51-9194.04 | Pantograph Engravers  |
| 51-9021.00 | Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders      | 33-3041.00 | Parking Enforcement Workers   |
| 51-9031.00 | Cutters and Trimmers, Hand   | 51-4072.02 | Plastic Molding and Casting Machine Operators and Tenders   |
| 51-9032.04 | Cutting and Slicing Machine Operators and Tenders                              | 43-5052.00 | Postal Service Mail Carriers  |
| 43-2021.01 | Directory Assistance Operators   | 51-4052.00 | Pourers and Casters, Metal  |
| 53-3031.00 | Driver/Sales Workers   | 51-6021.02 | Pressing Machine Operators and Tenders- Textile, Garment, and Related Materials                     |
| 43-9071.01 | Duplicating Machine Operators  | 51-5023.09 | Printing Press Machine Operators and Tenders  |
| 51-9194.05 | Etchers, Hand  | 43-3061.00 | Procurement Clerks  |
| 51-6091.01 | Extruding and Forming Machine Operators and Tenders, Synthetic or Glass Fibers | 51-9198.02 | Production Helpers  |
| 51-9041.02 | Extruding, Forming, Pressing, and Compacting Machine Operators and Tenders     | 51-9061.05 | Production Inspectors, Testers, Graders, Sorters, Samplers, Weighers                                |
| 49-9093.00 | Fabric Menders, Except Garment   | 53-4021.02 | Railroad Yard Workers   |
| 45-4021.00 | Fallers  | 47-4061.00 | Rail-Track Laying and Maintenance Equipment Operators   |
| 43-4071.00 | File Clerks  | 43-4171.00 | Receptionists and Information Clerks  |
| 51-3091.00 | Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders    | 49-9045.00 | Refractory Materials Repairers, Except Brickmasons  |
| 51-3093.00 | Food Cooking Machine Operators and Tenders                                     | 53-7081.00 | Refuse and Recyclable Material Collectors   |
| 53-7062.03 | Freight, Stock, and Material Movers, Hand                                      | 33-9032.00 | Security Guards   |
| 51-9051.00 | Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders                   | 51-9141.00 | Semiconductor Processors  |
| 51-9032.03 | Glass Cutting Machine Setters and Set-Up Operators                             | 51-9012.00 | Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders |
| 45-2041.00 | Graders and Sorters, Agricultural Products                                     | 51-6031.01 | Sewing Machine Operators, Garment   |
| 51-9022.00 | Grinding and Polishing Workers, Hand   | 51-6031.02 | Sewing Machine Operators, Non-Garment   |
| 47-5081.00 | Helpers—Extraction Workers   | 43-5071.00 | Shipping, Receiving, and Traffic Clerks   |
| 49-9098.00 | Helpers—Installation, Maintenance, and Repair Workers                          | 51-6042.00 | Shoe Machine Operators and Tenders  |
| 47-4051.00 | Highway Maintenance Workers  | 51-4121.04 | Solderers   |
| 53-7041.00 | Hoist and Winch Operators  | 51-4122.04 | Soldering and Brazing Machine Operators and Tenders   |
| 53-7051.00 | Industrial Truck and Tractor Operators   | 53-7062.01 | Stevedores, Except Equipment Operators  |
| 43-4111.00 | Interviewers, Except Eligibility and Loan                                      | 43-5081.01 | Stock Clerks, Sales Floor   |
| 51-6011.03 | Laundry and Drycleaning Machine Operators and Tenders, Except Pressing         | 43-2011.00 | Switchboard Operators, Including Answering Service  |
| 43-4121.00 | Library Assistants, Clerical   | 51-6061.00 | Textile Bleaching and Dyeing Machine Operators and Tenders  |
| 53-7063.00 | Machine Feeders and Offbearers   | 51-9197.00 | Tire Builders   |
| 43-9051.02 | Mail Clerks, Except Mail Machine Operators and Postal Service                  | 53-3033.00 | Truck Drivers, Light or Delivery Services   |
| 43-9051.01 | Mail Machine Operators, Preparation and Handling                               | 43-5111.00 | Weighers, Measurers, Checkers, and Samplers, Recordkeeping  |
| 49-9043.00 | Maintenance Workers, Machinery   | 51-4121.01 | Welders, Production   |
| 51-5023.05 | Marking and Identification Printing Machine Setters and Set-Up Operators       | 51-7042.02 | Woodworking Machine Operators and Tenders, Except Sawing  |

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RELATIONSHIPS (continued)

RELATIONSHIPS—JOB ZONE 5 (Extensive Preparation Needed)

| O*NET-SOC# | O*NET-SOC Title   | O*NET-SOC# | O*NET-SOC Title  |
|------------|---|------------|--|
| 25-1041.00 | Agricultural Sciences Teachers, Postsecondary***              | 25-1043.00 | Forestry and Conservation Science Teachers, Postsecondary*** |
| 29-1061.00 | Anesthesiologists**   |            |  |
| 25-1061.00 | Anthropology and Archeology Teachers, Postsecondary***        | 25-1191.00 | Graduate Teaching Assistants                                 |
|            |   | 21-1091.00 | Health Educators**   |
| 25-1062.00 | Area, Ethnic, and Cultural Studies Teachers, Postsecondary*** | 25-1071.00 | Health Specialties Teachers, Postsecondary***                |
|            |   | 25-1125.00 | History Teachers, Postsecondary***                           |
| 25-1121.00 | Art, Drama, and Music Teachers, Postsecondary***              | 29-1063.00 | Internists, General***                                       |
| 29-9091.00 | Athletic Trainers   | 25-1072.00 | Nursing Instructors and Teachers, Postsecondary***           |
| 25-1042.00 | Biological Science Teachers, Postsecondary***                 |            |  |
| 25-1052.00 | Chemistry Teachers, Postsecondary***                          | 29-1064.00 | Obstetricians and Gynecologists***                           |
| 29-1021.00 | Dentists, General***  | 29-1022.00 | Oral and Maxillofacial Surgeons***                           |
| 25-1063.00 | Economics Teachers, Postsecondary***                          | 29-1023.00 | Orthodontists***   |
| 25-1123.00 | English Language and Literature Teachers, Postsecondary***    | 29-1065.00 | Pediatricians, General***                                    |
|            |   | 25-1054.00 | Physics Teachers, Postsecondary***                           |
| 29-1062.00 | Family and General Practitioners***                           | 25-1065.00 | Political Science Teachers, Postsecondary***                 |
| 25-1124.00 | Foreign Language and Literature Teachers, Postsecondary***    | 25-1066.00 | Psychology Teachers, Postsecondary***                        |
|            |   | 25-1067.00 | Sociology Teachers, Postsecondary***                         |

INDEPENDENCE

INDEPENDENCE—JOB ZONE 1 (Little or No Preparation Needed)

| O*NET-SOC# | O*NET-SOC Title   | O*NET-SOC# | O*NET-SOC Title               |
|------------|---|------------|-------------------------------|
| 39-9011.00 | Child Care Workers***   | 39-5092.00 | Manicurists and Pedicurists** |
| 41-9091.00 | Door-to-Door Sales Workers, News and Street Vendors, and Related Workers*** | 41-9041.00 | Telemarketers***              |
| 45-3011.00 | Fishers and Related Fishing Workers**                                       | 53-3032.01 | Truck Drivers, Heavy***       |

INDEPENDENCE—JOB ZONE 2 (Some Preparation Needed)

| O*NET-SOC# | O*NET-SOC Title                                     | O*NET-SOC# | O*NET-SOC Title  |
|------------|---|------------|--|
| 45-2091.00 | Agricultural Equipment Operators**                  | 41-4011.01 | Sales Representatives, Agricultural**  |
| 49-3091.00 | Bicycle Repairers**                                 | 41-4011.03 | Sales Representatives, Electrical/Electronic**   |
| 27-1023.00 | Floral Designers**                                  | 41-4011.04 | Sales Representatives, Mechanical Equipment and Supplies**                                   |
| 33-2022.00 | Forest Fire Inspectors and Prevention Specialists** |            |  |
| 51-7021.00 | Furniture Finishers**                               | 41-4012.00 | Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products |
| 45-3021.00 | Hunters and Trappers                                |            |  |
| 39-5091.00 | Makeup Artists, Theatrical and Performance***       | 27-2042.01 | Singers**  |
| 53-5022.00 | Motorboat Operators                                 | 33-3052.00 | Transit and Railroad Police**  |
| 33-9021.00 | Private Detectives and Investigators**              | 41-3041.00 | Travel Agents**  |
| 27-3011.00 | Radio and Television Announcers**                   | 39-6022.00 | Travel Guides**  |
| 53-6051.04 | Railroad Inspectors***                              |            |  |
| 41-9022.00 | Real Estate Sales Agents                            |            |  |

INDEPENDENCE—JOB ZONE 3 (Medium Preparation Needed)

| O*NET-SOC# | O*NET-SOC Title  | O*NET-SOC# | O*NET-SOC Title   |
|------------|--|------------|---|
| 13-1011.00 | Agents and Business Managers of Artists, Performers, and Athletes                      | 35-1012.00 | First-Line Supervisors/Managers of Food Preparation and Serving Workers                             |
| 45-2021.00 | Animal Breeders  | 53-1021.00 | First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand                     |
| 39-2011.00 | Animal Trainers  |            |   |
| 15-1051.00 | Computer Systems Analysts  | 41-1012.00 | First-Line Supervisors/Managers of Non-Retail Sales Workers   |
| 47-4011.00 | Construction and Building Inspectors   | 39-1021.00 | First-Line Supervisors/Managers of Personal Service Workers   |
| 51-9194.03 | Etchers  | 51-1011.00 | First-Line Supervisors/Managers of Production and Operating Workers                                 |
| 11-9012.00 | Farmers and Ranchers   | 41-1011.00 | First-Line Supervisors/Managers of Retail Sales Workers   |
| 45-1011.01 | First-Line Supervisors and Manager/Supervisors - Agricultural Crop Workers             | 53-1031.00 | First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators |
| 45-1011.03 | First-Line Supervisors and Manager/Supervisors - Animal Care Workers, Except Livestock |            |   |
| 45-1011.02 | First-Line Supervisors and Manager/Supervisors - Animal Husbandry Workers              | 33-3031.00 | Fish and Game Wardens   |
| 47-1011.02 | First-Line Supervisors and Manager/Supervisors- Extractive Workers                     | 39-9031.00 | Fitness Trainers and Aerobics Instructors   |
| 45-1011.06 | First-Line Supervisors and Manager/Supervisors - Fishery Workers                       | 11-9071.00 | Gaming Managers   |
| 45-1011.04 | First-Line Supervisors and Manager/Supervisors - Horticultural Workers                 | 39-1011.00 | Gaming Supervisors  |
| 37-1012.02 | First-Line Supervisors and Manager/Supervisors - Landscaping Workers                   | 37-1011.02 | Janitorial Supervisors  |
| 43-1011.02 | First-Line Supervisors, Administrative Support   | 11-9081.00 | Lodging Managers  |
| 43-1011.01 | First-Line Supervisors, Customer Service   | 51-5022.07 | Platemakers   |
|            |  | 41-3031.02 | Sales Agents, Financial Services  |

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INDEPENDENCE (continued)

INDEPENDENCE—JOB ZONE 3 (CONTINUED)

| O*NET-SOC# | O*NET-SOC Title                    | O*NET-SOC# | O*NET-SOC Title                                   |
|------------|------------------------------------|------------|---|
| 41-4011.06 | Sales Representatives, Instruments | 27-2012.04 | Talent Directors                                  |
| 41-4011.05 | Sales Representatives, Medical     | 51-6093.00 | Upholsterers                                      |
| 51-9071.02 | Silversmiths                       | 13-1022.00 | Wholesale and Retail Buyers, Except Farm Products |
| 19-3041.00 | Sociologists                       |            |   |

INDEPENDENCE—JOB ZONE 4 (Considerable Preparation Needed)

| O*NET-SOC# | O*NET-SOC Title   | O*NET-SOC# | O*NET-SOC Title  |
|------------|---|------------|--|
| 11-3011.00 | Administrative Services Managers  | 11-1011.01 | Government Service Executives                                      |
| 11-9011.02 | Agricultural Crop Farm Managers   | 19-3093.00 | Historians   |
| 19-3091.01 | Anthropologists   | 17-2112.00 | Industrial Engineers   |
| 13-2021.02 | Appraisers, Real Estate   | 11-3051.00 | Industrial Production Managers                                     |
| 19-3091.02 | Archeologists   | 17-2111.01 | Industrial Safety and Health Engineers                             |
| 51-5022.04 | Camera Operators  | 25-2012.00 | Kindergarten Teachers, Except Special Education                    |
| 35-1011.00 | Chefs and Head Cooks  | 37-1012.01 | Lawn Service Managers  |
| 19-3031.02 | Clinical Psychologists  | 19-2032.00 | Materials Scientists   |
| 15-1071.01 | Computer Security Specialists   | 17-2141.00 | Mechanical Engineers   |
| 11-9021.00 | Construction Managers   | 11-9111.00 | Medical and Health Services Managers                               |
| 27-3043.04 | Copy Writers  | 13-1121.00 | Meeting and Convention Planners                                    |
| 13-1041.06 | Coroners  | 17-2151.00 | Mining and Geological Engineers, Including Mining Safety Engineers |
| 39-3092.00 | Costume Attendants  | 11-9011.01 | Nursery and Greenhouse Managers                                    |
| 25-4012.00 | Curators  | 15-2031.00 | Operations Research Analysts                                       |
| 51-6052.02 | Custom Tailors  | 19-1031.03 | Park Naturalists   |
| 15-1061.00 | Database Administrators   | 51-9195.05 | Potters  |
| 27-2012.02 | Directors- Stage, Motion Pictures, Television, and Radio                    | 25-2011.00 | Preschool Teachers, Except Special Education                       |
| 27-4032.00 | Film and Video Editors  | 27-2012.01 | Producers  |
| 17-2111.02 | Fire-Prevention and Protection Engineers                                    | 11-9141.00 | Property, Real Estate, and Community Association Managers          |
| 45-1011.05 | First-Line Supervisors and Manager/Supervisors - Logging Workers            | 13-1021.00 | Purchasing Agents and Buyers, Farm Products                        |
| 47-1011.01 | First-Line Supervisors and Manager/Supervisors- Construction Trades Workers | 41-3031.01 | Sales Agents, Securities and Commodities                           |
| 49-1011.00 | First-Line Supervisors/Managers of Mechanics, Installers, and Repairers     | 11-2022.00 | Sales Managers   |
| 11-9011.03 | Fish Hatchery Managers  | 53-5021.01 | Ship and Boat Captains   |
| 19-1012.00 | Food Scientists and Technologists   | 19-1031.01 | Soil Conservationists  |
| 11-9051.00 | Food Service Managers   | 11-3071.02 | Storage and Distribution Managers                                  |
| 19-1032.00 | Foresters   | 51-5022.06 | Strippers  |
| 11-9061.00 | Funeral Directors   | 27-2012.05 | Technical Directors/Managers                                       |
| 19-3092.00 | Geographers   | 13-1073.00 | Training and Development Specialists                               |
|            |   | 11-3071.01 | Transportation Managers  |

RELATIONSHIPS (continued)

RELATIONSHIPS—JOB ZONE 3 (Medium Preparation Needed)

| O*NET-SOC# | O*NET-SOC Title   | O*NET-SOC# | O*NET-SOC Title  |
|------------|---|------------|--|
| 51-3011.01 | Bakers, Bread and Pastry                                      | 29-2061.00 | Licensed Practical and Licensed Vocational Nurses      |
| 39-5011.00 | Barbers   | 31-9092.00 | Medical Assistants                                     |
| 51-3021.00 | Butchers and Meat Cutters                                     | 29-2071.00 | Medical Records and Health Information Technicians     |
| 29-2031.00 | Cardiovascular Technologists and Technicians                  | 13-2052.00 | Personal Financial Advisors                            |
| 47-2051.00 | Cement Masons and Concrete Finishers                          | 47-2152.02 | Plumbers   |
| 35-2014.00 | Cooks, Restaurant   | 29-2053.00 | Psychiatric Technicians                                |
| 31-9091.00 | Dental Assistants   | 39-9032.00 | Recreation Workers                                     |
| 29-2021.00 | Dental Hygienists   | 39-9041.00 | Residential Advisors                                   |
| 13-1071.01 | Employment Interviewers, Private or Public Employment Service | 29-1126.00 | Respiratory Therapists                                 |
| 47-2042.00 | Floor Layers, Except Carpet, Wood, and Hard Tiles             | 47-2181.00 | Roofers  |
| 47-2121.00 | Glaziers  | 29-2055.00 | Surgical Technologists                                 |
| 39-5012.00 | Hairdressers, Hairstylists, and Cosmetologists                | 25-9041.00 | Teacher Assistants                                     |
| 49-9031.01 | Home Appliance Installers                                     | 47-2053.00 | Terrazzo Workers and Finishers                         |
| 35-9031.00 | Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop      | 31-9096.00 | Veterinary Assistants and Laboratory Animal Caretakers |

RELATIONSHIPS—JOB ZONE 4 (Considerable Preparation Needed)

| O*NET-SOC# | O*NET-SOC Title                       | O*NET-SOC# | O*NET-SOC Title                        |
|------------|---------------------------------------|------------|--|
| 27-4011.00 | Audio and Video Equipment Technicians | 29-2081.00 | Opticians, Dispensing**                |
| 29-1121.00 | Audiologists**                        | 47-2141.00 | Painters, Construction and Maintenance |
| 25-9011.00 | Audio-Visual Collections Specialists  | 29-1123.00 | Physical Therapists**                  |
| 47-2041.00 | Carpet Installers                     | 29-1071.00 | Physician Assistants**                 |
| 29-2051.00 | Dietetic Technicians                  | 47-2161.00 | Plasterers and Stucco Masons           |
| 29-1031.00 | Dietitians and Nutritionists**        | 29-1124.00 | Radiation Therapists                   |
| 39-4011.00 | Embalmers                             | 29-2034.02 | Radiologic Technicians                 |
| 37-1011.01 | Housekeeping Supervisors              | 29-1125.00 | Recreational Therapists                |
| 25-4021.00 | Librarians                            | 29-1111.00 | Registered Nurses**                    |
| 29-1122.00 | Occupational Therapists**             | 29-1127.00 | Speech-Language Pathologists**         |

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RELATIONSHIPS

RELATIONSHIPS—JOB ZONE 1 (Little or No Preparation Needed)

| O*NET-SOC# | O*NET-SOC Title   | O*NET-SOC# | O*NET-SOC Title  |
|------------|---|------------|--|
| 53-3011.00 | Ambulance Drivers and Attendants, Except<br>Emergency Medical Technicians     | 47-3012.00 | Helpers—Carpenters   |
| 39-3091.00 | Amusement and Recreation Attendants   | 49-9098.00 | Helpers—Installation, Maintenance, and Repair<br>Workers                   |
| 39-6011.00 | Baggage Porters and Bellhops  | 47-3014.00 | Helpers—Painters, Paperhangers, Plasterers, and<br>Stucco Masons           |
| 35-3011.00 | Bartenders  | 31-1011.00 | Home Health Aides  |
| 39-9011.00 | Child Care Workers  | 37-2011.00 | Janitors and Cleaners, Except Maids and<br>Housekeeping Cleaners           |
| 53-7061.00 | Cleaners of Vehicles and Equipment  | 37-3011.00 | Landscaping and Groundskeeping Workers                                     |
| 35-3021.00 | Combined Food Preparation and Serving Workers,<br>Including Fast Food         | 39-3093.00 | Locker Room, Coatroom, and Dressing Room<br>Attendants                     |
| 35-2015.00 | Cooks, Short Order  | 37-2012.00 | Maids and Housekeeping Cleaners  |
| 41-2021.00 | Counter and Rental Clerks   | 39-5092.00 | Manicurists and Pedicurists  |
| 35-3022.00 | Counter Attendants, Cafeteria, Food Concession,<br>and Coffee Shop            | 43-9061.00 | Office Clerks, General   |
| 43-5021.00 | Couriers and Messengers   | 53-6021.00 | Parking Lot Attendants   |
| 33-9091.00 | Crossing Guards   | 51-6021.03 | Pressers, Hand   |
| 41-9011.00 | Demonstrators and Product Promoters   | 51-9198.01 | Production Laborers  |
| 35-9011.00 | Dining Room and Cafeteria Attendants and<br>Bartender Helpers                 | 53-6031.00 | Service Station Attendants   |
| 35-9021.00 | Dishwashers   | 51-6051.00 | Sewers, Hand   |
| 45-2093.00 | Farmworkers, Farm and Ranch Animals   | 51-6011.01 | Spotters, Dry Cleaning   |
| 45-3011.00 | Fishers and Related Fishing Workers   | 53-3041.00 | Taxi Drivers and Chauffeurs  |
| 35-2021.00 | Food Preparation Workers  | 49-3093.00 | Tire Repairers and Changers  |
| 35-3041.00 | Food Servers, Nonrestaurant   | 39-6021.00 | Tour Guides and Escorts  |
| 39-4021.00 | Funeral Attendants  | 39-6032.00 | Transportation Attendants, Except Flight<br>Attendants and Baggage Porters |
| 45-2092.02 | General Farmworkers   | 39-3031.00 | Ushers, Lobby Attendants, and Ticket Takers                                |
| 47-3011.00 | Helpers—Brickmasons, Blockmasons,<br>Stonemasons, and Tile and Marble Setters | 35-3031.00 | Waiters and Waitresses   |

RELATIONSHIPS—JOB ZONE 2 (Some Preparation Needed)

| O*NET-SOC# | O*NET-SOC Title  | O*NET-SOC# | O*NET-SOC Title  |
|------------|--|------------|--|
| 49-3091.00 | Bicycle Repairers  | 37-3012.00 | Pesticide Handlers, Sprayers, and Applicators,<br>Vegetation |
| 35-2011.00 | Cooks, Fast Food   | 29-2052.00 | Pharmacy Technicians   |
| 35-2012.00 | Cooks, Institution and Cafeteria   | 31-2022.00 | Physical Therapist Aides                                     |
| 47-4031.00 | Fence Erectors   | 31-2021.00 | Physical Therapist Assistants                                |
| 39-6031.00 | Flight Attendants  | 47-2072.00 | Pile-Driver Operators  |
| 47-2043.00 | Floor Sanders and Finishers  | 47-2152.03 | Pipelaying Fitters   |
| 47-3015.00 | Helpers—Pipelayers, Plumbers, Pipefitters, and<br>Steamfitters               | 51-6021.01 | Pressers, Delicate Fabrics                                   |
| 43-4081.00 | Hotel, Motel, and Resort Desk Clerks   | 31-1013.00 | Psychiatric Aides  |
| 25-4031.00 | Library Technicians  | 47-5051.00 | Rock Splitters, Quarry                                       |
| 33-9092.00 | Lifeguards, Ski Patrol, and Other Recreational<br>Protective Service Workers | 21-1093.00 | Social and Human Service Assistants                          |
| 39-5091.00 | Makeup Artists, Theatrical and Performance                                   | 43-3071.00 | Tellers  |
| 31-1012.00 | Nursing Aides, Orderlies, and Attendants                                     | 41-3041.00 | Travel Agents  |
| 31-2012.00 | Occupational Therapist Aides   | 43-4181.01 | Travel Clerks  |
| 31-2011.00 | Occupational Therapist Assistants  | 39-6022.00 | Travel Guides  |
| 47-2142.00 | Paperhangers   | 37-3013.00 | Tree Trimmers and Pruners                                    |
| 39-9021.00 | Personal and Home Care Aides   | 43-4061.02 | Welfare Eligibility Workers and Interviewers                 |

INDEPENDENCE (continued)

INDEPENDENCE—JOB ZONE 5 (Extensive Preparation Needed)

| O*NET-SOC# | O*NET-SOC Title  | O*NET-SOC# | O*NET-SOC Title                                 |
|------------|--|------------|---|
| 23-1021.00 | Administrative Law Judges, Adjudicators, and<br>Hearing Officers | 33-1021.02 | Forest Fire Fighting and Prevention Supervisors |
| 17-2021.00 | Agricultural Engineers   | 19-2043.00 | Hydrologists                                    |
| 19-1011.00 | Animal Scientists  | 19-3032.00 | Industrial-Organizational Psychologists         |
| 23-1022.00 | Arbitrators, Mediators, and Conciliators                         | 25-9031.00 | Instructional Coordinators                      |
| 19-2011.00 | Astronomers  | 23-1023.00 | Judges, Magistrate Judges, and Magistrates      |
| 19-1021.01 | Biochemists  | 17-2131.00 | Materials Engineers                             |
| 19-1021.02 | Biophysicists  | 19-1022.00 | Microbiologists                                 |
| 27-2032.00 | Choreographers   | 11-9121.00 | Natural Sciences Managers                       |
| 27-2022.00 | Coaches and Scouts   | 29-9011.00 | Occupational Health and Safety Specialists      |
| 27-2041.03 | Composers  | 53-5021.03 | Pilots, Ship                                    |
| 11-3021.00 | Computer and Information Systems Managers                        | 19-1013.01 | Plant Scientists                                |
| 17-2071.00 | Electrical Engineers   | 19-3094.00 | Political Scientists                            |
| 17-2072.00 | Electronics Engineers, Except Computer                           | 11-1011.02 | Private Sector Executives                       |
| 11-9041.00 | Engineering Managers   | 27-2012.03 | Program Directors                               |
| 13-2051.00 | Financial Analysts   | 19-1031.02 | Range Managers                                  |
|            |  | 19-1013.02 | Soil Scientists                                 |

RECOGNITION

RECOGNITION—JOB ZONE 1 (Little or No Preparation Needed)

| O*NET-SOC# | O*NET-SOC Title |
|------------|-----------------|
| 41-9012.00 | Models**        |

RECOGNITION—JOB ZONE 2 (Some Preparation Needed)

| O*NET-SOC# | O*NET-SOC Title                            | O*NET-SOC# | O*NET-SOC Title             |
|------------|--|------------|-----------------------------|
| 53-5011.01 | Able Seamen***                             | 41-9022.00 | Real Estate Sales Agents*** |
| 43-5031.00 | Police, Fire, and Ambulance Dispatchers*** |            |                             |

RECOGNITION—JOB ZONE 3 (Medium Preparation Needed)

| O*NET-SOC# | O*NET-SOC Title   | O*NET-SOC# | O*NET-SOC Title  |
|------------|---|------------|--|
| 27-2021.00 | Athletes and Sports Competitors***  | 53-1021.00 | First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand**                      |
| 17-3012.01 | Electronic Drafters***  |            |  |
| 45-1011.01 | First-Line Supervisors and Manager/Supervisors - Agricultural Crop Workers*** | 41-1012.00 | First-Line Supervisors/Managers of Non-Retail Sales Workers**  |
| 45-1011.02 | First-Line Supervisors and Manager/Supervisors - Animal Husbandry Workers***  | 51-1011.00 | First-Line Supervisors/Managers of Production and Operating Workers***                                 |
| 47-1011.02 | First-Line Supervisors and Manager/Supervisors- Extractive Workers***         | 41-1011.00 | First-Line Supervisors/Managers of Retail Sales Workers**  |
| 45-1011.06 | First-Line Supervisors and Manager/Supervisors - Fishery Workers***           | 53-1031.00 | First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators*** |
| 45-1011.04 | First-Line Supervisors and Manager/Supervisors - Horticultural Workers***     | 33-3031.00 | Fish and Game Wardens***   |
| 37-1012.02 | First-Line Supervisors and Manager/Supervisors - Landscaping Workers***       | 19-4041.02 | Geological Sample Test Technicians***  |
| 43-1011.02 | First-Line Supervisors, Administrative Support***                             | 53-5021.02 | Mates- Ship, Boat, and Barge   |
| 43-1011.01 | First-Line Supervisors, Customer Service***                                   | 27-2012.04 | Talent Directors***  |
|            |   | 27-2023.00 | Umpires, Referees, and Other Sports Officials***   |

RECOGNITION—JOB ZONE 4 (Considerable Preparation Needed)

| O*NET-SOC# | O*NET-SOC Title   | O*NET-SOC# | O*NET-SOC Title   |
|------------|---|------------|---|
| 11-3011.00 | Administrative Services Managers**                                  | 47-1011.01 | First-Line Supervisors and Manager/Supervisors- Construction Trades Workers** |
| 53-2011.00 | Airline Pilots, Copilots, and Flight Engineers**                    |            |   |
| 53-2021.00 | Air Traffic Controllers***  | 49-1011.00 | First-Line Supervisors/Managers of Mechanics, Installers, and Repairers**     |
| 27-1011.00 | Art Directors***  |            |   |
| 17-2051.00 | Civil Engineers***  | 33-1012.00 | First-Line Supervisors/Managers of Police and Detectives***                   |
| 53-2012.00 | Commercial Pilots**   |            |   |
| 27-2012.02 | Directors- Stage, Motion Pictures, Television, and Radio***         | 17-2112.00 | Industrial Engineers***   |
| 11-9032.00 | Education Administrators, Elementary and Secondary School**         | 17-2151.00 | Mining and Geological Engineers, Including Mining Safety Engineers***         |
| 11-9031.00 | Education Administrators, Preschool and Child Care Center/Program** | 27-2012.01 | Producers***  |
| 13-2061.00 | Financial Examiners**   | 41-3031.01 | Sales Agents, Securities and Commodities***                                   |
| 11-3031.02 | Financial Managers, Branch or Department**                          | 11-2022.00 | Sales Managers**  |
|            |   | 53-5021.01 | Ship and Boat Captains***   |
|            |   | 27-2012.05 | Technical Directors/Managers***   |

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RECOGNITION (continued)

RECOGNITION—JOB ZONE 5 (Extensive Preparation Needed)

| O*NET-SOC# | O*NET-SOC Title                                    | O*NET-SOC# | O*NET-SOC Title  |
|------------|--|------------|--|
| 17-2011.00 | Aerospace Engineers***                             | 27-2041.01 | Music Directors***                                       |
| 17-2041.00 | Chemical Engineers***                              | 17-2171.00 | Petroleum Engineers***                                   |
| 27-2032.00 | Choreographers***                                  | 53-5021.03 | Pilots, Ship***  |
| 21-2011.00 | Clergy***  | 27-2012.03 | Program Directors***                                     |
| 27-2022.00 | Coaches and Scouts***                              | 27-1027.01 | Set Designers***   |
| 11-9033.00 | Education Administrators, Postsecondary**          | 53-5031.00 | Ship Engineers***  |
| 33-1021.02 | Forest Fire Fighting and Prevention Supervisors*** | 29-1067.00 | Surgeons***  |
| 25-9031.00 | Instructional Coordinators***                      | 11-3031.01 | Treasurers, Controllers, and Chief Financial Officers*** |
| 17-2121.01 | Marine Engineers***                                |            |  |

\*\* Indicates that the occupation was assigned to the group based on its second highest work value.  
\*\*\* Indicates that the occupation was assigned to the group based on its third highest work value.