

OFFICE OF MANAGEMENT AND BUDGET

1998 Standard Occupational Classification Revision

AGENCY: Office of Management and Budget, Executive Office of the President.

ACTION: Notice of solicitation of comments.

SUMMARY: Under title 44 U.S.C. 3504, the Office of Management and Budget (OMB) is seeking public comment on the Standard Occupational Classification Revision Policy Committee's (SOCRPC) final recommendations for revising the 1980 Standard Occupational Classification's (SOC) occupational units and aggregate groups presented in this notice. The SOCRPC has developed a new occupational classification system that will cover all jobs in the national economy, including occupations in the public, private, and military sectors.

All Federal agencies that collect occupational data will use the new system; similarly, all State and local government agencies are strongly encouraged to use this national system to promote a common language for categorizing occupations in the world of work. The new SOC system will be used by the Occupational Employment Statistics (OES) program of the Bureau of Labor Statistics (BLS) for gathering occupational information. It will also replace the Bureau of the Census' 1990 occupational classification system and will be used for the 2000 Census. In addition, the new SOC will serve as the framework for information being gathered through the Department of Labor's Occupational Information Network (O*NET), which is in the process of replacing the Dictionary of Occupational Titles (DOT).

In three prior **Federal Register** notices (February 28, 1995, 60 FR 10998-11002; October 5, 1995, 60 FR 52284-52286; July 7, 1997, 62 FR 36337-36409), OMB and the SOCRPC requested comment on the uses of occupational data; on the existing 1980 SOC classification principles, purpose and scope, and conceptual options; on the SOCRPC's proposed revision process; on the composition of detailed occupations; on the hierarchical structure and numbering system; and on update procedures.

The structure and numbering system recommended in this notice reflect the comments received from the July 7, 1997, notice, and represent the final recommendations the SOCRPC is making to OMB. OMB, in consultation

with the SOCRPC, will use the comments in response to this notice on the SOCRPC final recommendations to make its final decisions for the 1998 SOC and publish them in the **Federal Register**. The SOCRPC also will begin preparing the 1998 Standard Occupational Classification Manual for publication. Committee members will be completing definitions, assigning associated titles, and developing cross lists to existing systems.

This notice contains three appendices. Appendix A presents the SOCRPC's final recommendations in the form of the complete revised SOC hierarchical structure and numbering system; Appendix B provides a crosslist between the codes proposed in this notice and those proposed in the July 7, 1997, SOC **Federal Register** notice; and Appendix C lists respondents to the July 7 notice.

Request for Comments: OMB welcomes comments with respect to any topic related to occupational classification, but is specifically interested in comments concerning:

- (1) the hierarchical structure of the new SOC presented in Appendix A below, especially the minor group, broad occupation, and detailed occupation organization within the structure, and the numbering system used, and
- (2) the establishment of ongoing review and update procedures and a time frame for future revision as outlined in the "Next Steps in Process" recommendations near the end of the Supplementary Information section below. It is anticipated that the next major review and revision of the SOC will begin in 2005 in preparation for use in the 2010 Decennial Census.

DATES: To ensure consideration all comments must be in writing and received on or before October 9, 1998.

ADDRESSES: Correspondence about the adoption and implementation of the SOC as shown in this **Federal Register** notice should be sent to: Katherine K. Wallman, Chief Statistician, Office of Management and Budget, 10201 New Executive Office Building, Washington, DC 20503, telephone number: (202) 395-3093, FAX number: (202) 395-7245.

Inquiries about the definition of particular occupations or requests for electronic copies of the SOC structure should be made to Laurie Salmon, Standard Occupational Classification Revision Policy Committee, Bureau of Labor Statistics, Room 4840, Washington, DC 20212, telephone number: (202) 606-6511, FAX number: (202) 606-6645.

Electronic Availability and Comment: This document is available on the Internet from the Bureau of Labor Statistics via WWW browser and E-mail. To obtain this document via WWW browser, connect to <http://stats.bls.gov/soc/soc__home.htm>. This WWW page contains previous SOC **Federal Register** notices and related documents as well. To obtain this document via E-mail, send a message to socrevision@bls.gov.

Comments may be sent via E-mail to OMB at soc@omb.eop.gov (do not include any capital letters in the address). Comments received at this address by the date specified above will be included as part of the official record.

FOR FURTHER INFORMATION CONTACT: Paul Bugg, 10201 New Executive Office Bldg., Washington, DC 20503, E-mail address: pbugg@omb.eop.gov, telephone number: (202) 395-3093, FAX number: (202) 395-7245.

SUPPLEMENTARY INFORMATION:

Revision Process

The Standard Occupational Classification Revision Policy Committee (SOCRPC) chose the Occupational Employment Statistics (OES) occupational classification system currently used by the Bureau of Labor Statistics (BLS) to gather occupational information as the starting point for the new Standard Occupational Classification (SOC) framework. The Committee also relied heavily on the Department of Labor's Occupational Information Network (O*NET), which is in the process of replacing the Dictionary of Occupational Titles (DOT). To carry out the bulk of the revision effort, the Committee created six work groups to examine occupations in the following areas: Administrative and Clerical occupations; Science, Engineering, Law, Health, Education, and Arts occupations; Services and Sales occupations; Agriculture, Construction, Extraction, and Transportation occupations; Mechanical and Production occupations; and Military Specific occupations.

The Committee charged the work groups with ensuring that the occupations under their consideration conformed to the criteria laid out in the October 5, 1995, **Federal Register** notice:

The Classification should cover all occupations in which work is performed for pay or profit, including work performed in family-operated enterprises by family members who are not directly compensated. It should exclude occupations unique to volunteers.

The Classification should reflect the current occupational structure of the United States and have sufficient flexibility to assimilate new occupations into the structure as they become known.

While striving to reflect the current occupational structure, the Classification should maintain linkage with past systems. The importance of historical comparability should be weighed against the desire for incorporating substantive changes to occupations occurring in the work force.

Occupations should be classified based upon work performed, skills, education, training, licensing, and credentials.

Occupations should be classified in homogeneous groups that are defined so that the content of each group is clear.

Each occupation should be assigned to only one group at the lowest level of the Classification.

The employment size of an occupational group should not be the major reason for including or excluding it from separate identification.

Supervisors should be identified separately from the workers they supervise wherever possible in keeping with the real structure of the world of work. An exception should be made for professional and technical occupations where supervisors or lead workers should be classified in the appropriate group with the workers they supervise.

Apprentices and trainees should be classified with the occupations for which they are being trained, while helpers and aides should be classified separately since they are not in training for the occupation they are helping.

Comparability with the International Standard Classification of Occupations (ISCO-88) should be considered in the structure, but should not be an overriding factor.

In carrying out their reviews, the work groups carefully considered all proposals received in response to **Federal Register** notices issued by OMB and the SOCRPC.

General Characteristics of the Revised SOC

In response to comments received in reference to the July 7, 1997, **Federal Register** notice, the SOCRPC significantly modified the hierarchical structure and numbering system of the revised SOC to ensure that all detailed occupations are placed within a broad occupation. In the revised SOC, there are four levels of aggregation: (1) Major group; (2) minor group; (3) broad occupation; and (4) detailed occupation. All occupations are clustered into 23 major groups (listed below), such as

Management or Healthcare Practitioner and Technical occupations. These major groups are broken down into occupationally-specific minor groups, such as Operations Specialties Managers in the Management Occupations major group or Health Diagnosing and Treating Practitioners in the Healthcare Practitioner and Technical Occupations major group. Minor groups, in turn, are divided into broad occupations, such as Human Resources Managers or Therapists, which are further divided into detailed occupations, such as Compensation and Benefits Managers, or Physical Therapists.

Each item in the hierarchy is designated by a six-digit code. The hyphen between the second and third digit is used only for presentation clarity.

The first two digits of the new SOC code represent the major group; the third digit represents the minor group; the fourth and fifth digits represent the broad occupation; and the sixth digit represents the detailed occupation. Major group codes end with 0000 (e.g., 29-0000, Healthcare Practitioner and Technical Occupations), minor groups end with 000 (e.g., 29-1000, Health Diagnosing and Treating Practitioners), and broad occupations end with 0 (e.g., 29-1120, Therapists). All residuals ("Other," "Miscellaneous," or "All Other"), whether at the minor group, broad occupation, or detailed occupation level, will contain a 9 at the level of the residual. Minor groups that are major group residuals will end in 9000 (e.g., 11-9000, Other Management Occupations); broad occupations that are minor group residuals will end in 90 (e.g., 11-9190, Miscellaneous Management Occupations); and residual detailed occupations will end in 9 (e.g., 11-9199, Management Occupations, All Other):

11-0000 Management Occupations
11-9000 Other Management Occupations
11-9190 Miscellaneous Management Occupations
11-9199 Management Occupations, All Other

In the case where there are more than 9 broad occupations in a minor group (or more than eight, if there is no residual), the xx-x090 will be skipped (reserved for residuals), the xx-x000 will be skipped (reserved for minor groups), and the numbering system will go to xx-x110. The residual broad occupation will then be xx-x190 or xx-x290 (e.g., 51-9190, Miscellaneous Production Workers).

The proposed 1998 SOC occupational groups and detailed occupations presented in Appendix A are not always

consecutively numbered because of these coding conventions as well as to allow for the insertion of additional occupational groups in future revisions of the SOC. In addition, the coding system is designed to allow those desiring a delineation of occupations below the detailed occupation level to use a decimal point and additional digit(s) after the sixth digit. It is recommended that users needing extra detail use the structure currently being developed for O*NET. Each occupation in the revised SOC will be placed within one of these major groups:

11 Management Occupations
13 0Business and Financial Operations Occupations
15 Computer and Mathematical Occupations
17 Architecture and Engineering Occupations
19 Life, Physical, and Social Science Occupations
21 Community and Social Services Occupations
23 Legal Occupations
25 Education, Training, and Library Occupations
27 Arts, Design, Entertainment, Sports, and Media Occupations
29 Healthcare Practitioner and Technical Occupations
31 Healthcare Support Occupations
33 Protective Service Occupations
35 Food Preparation and Serving Related Occupations
37 Building and Grounds Cleaning and Maintenance Occupations
39 Personal Care and Service Occupations
41 Sales and Related Occupations
43 Office and Administrative Support Occupations
45 Farming, Fishing, and Forestry Occupations
47 Construction and Extraction Occupations
49 Installation, Maintenance, and Repair Occupations
51 Production Occupations
53 Transportation and Material Moving Occupations
55 Military Specific Occupations

The SOCRPC is proposing that two aggregates of these major groups be used for survey tabulation purposes, when needed. The proposed aggregates are as follows:

Intermediate Aggregation (11 groups)
11-13 Management, Business, and Financial Occupations
15-29 Professional and Related Occupations
31-39 Service Occupations
41 Sales and Related Occupations
43 Office and Administrative Support Occupations

- 45 Farming, Fishing, and Forestry Occupations
 - 47 Construction and Extraction Occupations
 - 49 Installation, Maintenance, and Repair Occupations
 - 51 Production Occupations
 - 53 Transportation and Material Moving Occupations
 - 55 Military Specific Occupations
 - High-level Aggregation (6 groups)
 - 11-29 Management, Professional, and Related Occupations
 - 31-39 Service Occupations
 - 41-43 Sales and Office Occupations
 - 45-49 Natural Resources, Construction, and Maintenance Occupations
 - 51-53 Production, Transportation, and Material Moving Occupations
 - 55 Military Specific Occupations
- The 1998 SOC contains 810 detailed occupations, aggregated into 449 broad occupations. These broad occupations are grouped into 98 minor groups, that are, in turn, grouped into 23 major groups.

Significant Changes and Responses to Comments

In reply to the July 7, 1997, **Federal Register** notice, the SOCRPC received over 200 responses. All recommendations were considered by the Committee, and most were implemented. The Committee received numerous comments regarding the proposed hierarchical structure. The SOCRPC significantly revised the hierarchical structure and numbering system in response to these comments; please see Appendix A for the results of this restructuring. In addition, much of the correspondence questioned where specific unlisted occupations would be classified. The publication of index items and associated titles will clarify these issues. Specific issues (e.g., additions, modifications) implemented by the work groups are listed below; revised definitions will be made available on the SOC website. See Appendix B to match codes published in this notice with the codes published in the July 7, 1997, **Federal Register** notice.

In the Management Occupations major group, the detailed occupation "Treasurers, Controllers, and Chief Financial Officers" was deleted. In addition, the definitions of "General and Operations Managers" (11-1021), "Computer and Information Systems Managers" (11-3021), "Financial Managers" (11-3031), and "Education Administrators, Postsecondary" (11-9033) were modified.

In the Business and Financial Operations Occupations major group,

the Committee disaggregated "Buyers and Purchasing Agents" into "Purchasing Agents and Buyers, Farm Products" (13-1021), "Wholesale and Retail Buyers, Except Farm Products" (13-1022), and "Purchasing Agents, Except Wholesale, Retail, and Farm Products" (13-1023). "Funeral Directors" (11-9061) was moved to the Management Occupations major group.

In the Computer and Mathematical Occupations major group, "Systems Analysts, Science and Engineering" and "System Analysts, All Other" were aggregated into "Computer Systems Analysts" (15-1051). The titles and definitions of "Computer Software Engineers, Applications" (15-1031) and "Computer Software Engineers, Systems Software" (15-1032) were modified, and "Mathematical Technicians" (15-3011) was added to the revised SOC.

In the Architecture and Engineering Occupations major group, "Architectural and Civil Drafters" and "Architectural Technicians and Technologists" were aggregated into "Architectural and Civil Drafters" (17-3011), and the definitions of "Computer Hardware Engineers" (17-2061), "Environmental Engineers" (17-2081), and "Engineering Technicians, Except Drafters, All Other" (17-3029) were modified.

In the Life, Physical, and Social Science Occupations major group, "Epidemiologists" (19-1041) was added as a detailed occupation. Medical Physicists was added as an associated title under "Medical Scientists, All Other" (19-1049), and Public Health Policy Analysts was added as an associated title under "Social Scientists and Related Workers, All Other" (19-3099).

In the Community and Social Service Occupations major group, the title of "Alcohol and Substance Abuse Counselors" was changed to "Substance Abuse and Behavioral Disorder Counselors" (21-1011) and the definition was modified. "Marriage and Family Counselors and Therapists" was retitled "Marriage and Family Therapists" (21-1013). HIV/AIDS Counselors and ASAT C.O.R.E. (American Society of Alternative Therapists Conscious, Ownership, Retrieval/Release, and Engage) Counselors were added as associated titles under "Counselors, All Other" (21-1019). The definition of "Mental Health and Substance Abuse Social Workers" (21-1023) was modified, and "Health Educators" (21-1091) was added to the revised SOC.

In the Legal Occupations major group, new minor groups for "Lawyers, Judges, and Related Workers" (23-1000) and

"Legal Support Workers" (23-2000) were created. The title and definition of "Administrative Law Judges and Hearing Officers" (23-1021) were modified, and the definitions of "Lawyers" (23-1011) and "Law Clerks" (23-2092) were also modified. The title of "Judges and Magistrates" was changed to "Judges, Magistrate Judges, and Magistrates" (23-1023). "Safety and Health Inspectors and Compliance Officers, Except Construction" was disaggregated into "Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation" (13-1031) and "Financial Examiners" (13-2061) (in the Business and Financial Operations Occupations major group); "Occupational Health and Safety Specialists" (29-9011) (in the Healthcare Practitioner and Technical Occupations major group); and "Agricultural Inspectors" (45-2011) (in the Farming, Fishing, and Forestry Occupations major group). "Construction and Building Inspectors" (47-4011) was moved to the Construction and Extraction Occupations major group.

In the Education, Training, and Library Occupations major group, "Library Technicians and Assistants" was disaggregated into "Library Technicians" (25-4031) and "Library Assistants, Clerical" (43-4121). "Library Assistants, Clerical" was then moved to the Office and Administrative Support Occupations major group. "Teacher Aides" (25-9041) was retitled "Teacher Assistants," and the definitions for "Literacy, Remedial Education, and GED Teachers and Instructors" (25-3011), "Librarians" (25-4021) and "Special Education Teachers" (25-2041) were modified. "Sports and Physical Training Instructors and Coaches" was aggregated with "Coaches and Scouts" (27-2022), in the Arts, Design, Entertainment, Sports, and Media Occupations major group, and "Educational, Vocational, and School Guidance Counselors" (21-1012) was moved to the "Community and Social Services" major group.

In the Arts, Design, Entertainment, Sports, and Media Occupations major group, new minor groups for "Art and Design Workers" (27-1000), "Entertainers and Performers, Sports and Related Workers" (27-2000), "Media and Communication Workers" (27-3000), and "Media and Communication Equipment Workers" (27-4000) were created. "Dancers and Choreographers" was disaggregated into "Dancers" (27-2031) and "Choreographers" (27-2032). "Announcers" was disaggregated into

“Radio and Television Announcers” (27–3011) and “Public Address System and Other Announcers” (27–3012).

The Health Occupations major group was disaggregated into Healthcare Practitioner and Technical Occupations (29–0000) and Healthcare Support Occupations (31–0000); see the revised structure in Appendix A for details of this disaggregation. The definition of “Cardiovascular Technologists and Technicians” (29–2031) was modified. “Health Service Coordinators” was deleted as a detailed occupation and added as an associated title under “Healthcare Practitioner and Technical occupations, All Other” (29–9099); associated titles added under this occupation were Hearing Aid Specialist, Electroneurodiagnostic Technologists, Optometric and Ophthalmic Technicians, and Dialysis Technicians. The title “Physical Therapy Assistants” was changed to “Physical Therapist Assistants” (31–2021), and the definition of “Medical Assistants” (31–9092) was modified. “Phlebotomists” was converted to an associated title under “Healthcare Support Occupations, All Other” (31–9099).

In the Protective Service Occupations major group, “United States Marshals” was deleted from the revised SOC.

In the Food Preparation and Serving Related Occupations major group, no significant changes were made since the July 7, 1997, **Federal Register** notice.

The title of the Buildings and Grounds Maintenance Occupations major group was changed to Building and Grounds Cleaning and Maintenance Occupations. “Landscaping and Groundskeeping Laborers” was retitled “Landscaping and Groundskeeping Workers” (37–3011).

In the Personal Care and Service Occupations major group, “Skin Care Specialists” (39–5094) and “Fitness Trainers and Aerobics Instructors” (39–9041) were added to the revised SOC, the definition of “Personal and Home Care Aides” (39–9031) was modified, and “Masseuses and Masseurs” was retitled “Massage Therapists” (39–9021).

In the Sales and Related Occupations major group, no significant changes were made since the July 7, 1997, **Federal Register** notice.

The title of the Office and Administration Occupations major group was changed to Office and Administrative Support Occupations. “Tellers and Customer Service Representatives, Financial Institutions” was disaggregated into “Tellers” (43–3061), “Customer Service Representatives” (43–4051), and “New Accounts Clerks” (43–4141). “Customer

Service Representatives, Except Sales and Financial” was deleted. “Court Reporters, Medical Transcriptionists, and Stenographers” was disaggregated into “Court Reporters” (23–2091) in the Legal Occupations major group, and “Medical Transcriptionists” (31–9094), in the Health Care Support Occupations major group. The definition of “Computer Operators” (43–9011) was modified. “Insurance Claims Adjusters, Examiners, and Investigators” (13–1071) and “Insurance Appraisers, Auto Damage” (13–1072) were moved to the Business and Financial Operations Occupations major group.

In the Farming, Fishing, and Forestry Occupations major group, “Veterinary Assistants and Nonfarm Animal Caretakers” was disaggregated into “Veterinary Assistants and Laboratory Animal Caretakers” and “Nonfarm Animal Caretakers.” “Veterinary Assistants and Laboratory Animal Caretakers” (31–9096) was moved to the Healthcare Support Occupations major group, while “Nonfarm Animal Caretakers” (39–2021) was moved to the Personal Care and Service Occupations major group, along with “Animal Trainers” (39–2011). “Logging Equipment Operators” (45–4022) was added to the revised SOC.

In the Construction and Extraction Occupations major group, “Construction Laborers” was retitled “Construction Craft Laborers” (47–2061). This and the following definitions were modified: “Helpers—Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters” (47–3011), “Helpers—Carpenters” (47–3012), “Helpers—Electricians” (47–3013), “Helpers—Painters, Paperhangers, Plasterers, and Stucco Masons” (47–3014), “Helpers—Pipelayers, Plumbers, Pipefitters, and Steamfitters” (47–3015), and “Helpers—Roofers” (47–3016). “Construction Equipment Operators” was disaggregated into three occupations: “Paving, Surfacing, and Tamping Equipment Operators” (47–2071), “Pile-Driver Operators” (47–2072) and “Operating Engineers and Other Construction Equipment operators” (47–2073). “Security and Fire Alarm Systems Installers” (49–2098) was moved to the Installation, Maintenance, and Repair Occupations major group.

In the Installation, Maintenance, and Repair Occupations major group, “Electrical and Electronics Installers and Repairers, Transportation Equipment” was disaggregated into “Electrical and Electronics Installers and Repairers, Transportation Equipment” (49–2093) and “Electronic Equipment Installers and Repairers, Motor Vehicles” (49–2096). “Electrical

and Electronics Repairers, Commercial and Industrial Equipment” was disaggregated into “Electrical and Electronics Repairers, Industrial Equipment” (49–2094) and “Electrical and Electronics Repairers, Powerhouse, Substation, and Relay” (49–2095). Jet-ski Mechanics was added as an associated title under “Small Engine Mechanics” (49–3033). “Biomedical Engineering Technicians” and “BMET” were added as associated titles under “Medical Equipment Repairers” (49–9062). “Commercial Divers” (49–9092) was added as a new detailed occupation.

In the Production Occupations major group, “Molders, Shapers, and Coremakers” was retitled “Foundry Mold and Coremakers” (51–4071). “Desktop Publishers” (43–9031) was moved to the Office and Administrative Support Occupations major group.

In the Transportation and Material Moving Occupations major group, the definitions of the following detailed occupations were modified: “Commercial Pilots” (53–2012), “Drivers/Sales Workers” (53–3031), “Truck Drivers, Light or Delivery Services” (53–3033), and “Industrial Truck and Tractor Operators” (53–7051). “Elevator Operators” was deleted from the revised SOC.

In the Military Specific Occupations major group, no significant changes were made since the July 7, 1997, **Federal Register** notice.

Next Steps in Process

After analyzing comments generated by this **Federal Register** notice, OMB plans to publish its final decisions for the 1998 SOC in the **Federal Register** by the end of 1998.

The SOCRPC also will begin preparing the 1998 Standard Occupational Classification Manual for publication. Committee members will be completing definitions, assigning associated titles, and developing cross lists to existing systems. The SOCRPC is planning a process for ensuring that the implementation of the 1998 SOC is comparable across Federal agencies, including regularly scheduled interagency communication to ensure that there is a smooth Federal transition to the 1998 SOC.

It has been eighteen years since the last revision of the SOC. The SOC Revision Policy Committee urges the Office of Management and Budget to establish a new standing committee, the Standard Occupational Classification Review Committee, to ensure that the 1998 SOC remains appropriate to the world of work.

The new committee should meet twice per year to review proposals for changes in the SOC, such as the definition and placement of new occupations. In addition, it should provide timely advice to the Bureau of the Census during its 2000 Census occupations coding operation, particularly with respect to the proper classification of unfamiliar job descriptions and job titles. The committee should also undertake a thorough review of the entire SOC once per decade, perhaps in conjunction with preparations for the decennial census.

Because of this broad role, we recommend that the committee consist of representatives of the following agencies:
 Department of Commerce, Bureau of the Census
 Department of Defense, Defense Manpower Data Center
 Department of Education
 Department of Health and Human Services, Bureau of Health Professions
 Department of Labor, Bureau of Labor Statistics
 Department of Labor, Employment and Training Administration

Equal Employment Opportunity Commission
 National Occupational Information Coordinating Committee
 National Science Foundation
 Office of Management and Budget (ex-officio)
 Office of Personnel Management
 We recommend that the Bureau of Labor Statistics chair the committee and staff its secretariat, and that it be given sufficient authority to carry out its secretariat duties, such as organizing working groups to make recommendations for changes.

APPENDIX A: Proposed 1998 SOC Detailed Occupations

11-0000 MANAGEMENT OCCUPATIONS

11-1000 TOP EXECUTIVES

- 11-1010 Chief Executives
 - 11-1011 Chief Executives
- 11-1020 General and Operations Managers
 - 11-1021 General and Operations Managers
- 11-1030 Legislators
 - 11-1031 Legislators

11-2000 ADVERTISING, MARKETING, PROMOTIONS, PUBLIC RELATIONS, AND SALES MANAGERS

- 11-2010 Advertising and Promotions Managers
 - 11-2011 Advertising and Promotions Managers
- 11-2020 Marketing and Sales Managers
 - 11-2021 Marketing Managers
 - 11-2022 Sales Managers
- 11-2030 Public Relations Managers
 - 11-2031 Public Relations Managers

11-3000 OPERATIONS SPECIALTIES MANAGERS

- 11-3010 Administrative Services Managers
 - 11-3011 Administrative Services Managers
- 11-3020 Computer and Information Systems Managers
 - 11-3021 Computer and Information Systems Managers
- 11-3030 Financial Managers
 - 11-3031 Financial Managers
- 11-3040 Human Resources Managers
 - 11-3041 Compensation and Benefits Managers
 - 11-3042 Training and Development Managers
 - 11-3049 Human Resources Managers, All Other
- 11-3050 Industrial Production Managers
 - 11-3051 Industrial Production Managers
- 11-3060 Purchasing Managers
 - 11-3061 Purchasing Managers
- 11-3070 Transportation, Storage, and Distribution Managers
 - 11-3071 Transportation, Storage, and Distribution Managers

11-9000 OTHER MANAGEMENT OCCUPATIONS

- 11-9010 Agricultural Managers
 - 11-9011 Farm, Ranch, and Other Agricultural Managers
 - 11-9012 Farmers and Ranchers
- 11-9020 Construction Managers
 - 11-9021 Construction Managers
- 11-9030 Education Administrators
 - 11-9031 Education Administrators, Preschool and Child Care Center/Program
 - 11-9032 Education Administrators, Elementary and Secondary School
 - 11-9033 Education Administrators, Postsecondary
 - 11-9039 Education Administrators, All Other
- 11-9040 Engineering Managers
 - 11-9041 Engineering Managers
- 11-9050 Food Service Managers
 - 11-9051 Food Service Managers
- 11-9060 Funeral Directors
 - 11-9061 Funeral Directors
- 11-9070 Lodging Managers
 - 11-9071 Lodging Managers
- 11-9080 Medical and Health Services Managers
 - 11-9081 Medical and Health Services Managers
- 11-9110 Natural Sciences Managers
 - 11-9111 Natural Sciences Managers

- 11-9120 Postmasters and Mail Superintendents
 - 11-9121 Postmasters and Mail Superintendents
- 11-9130 Property, Real Estate, and Community Association Managers
 - 11-9131 Property, Real Estate, and Community Association Managers
- 11-9140 Social and Community Service Managers
 - 11-9141 Social and Community Service Managers
- 11-9190 Miscellaneous Managers
 - 11-9199 Managers, All Other
- 13-0000 BUSINESS AND FINANCIAL OPERATIONS OCCUPATIONS
 - 13-1000 BUSINESS OPERATIONS SPECIALISTS
 - 13-1010 Agents and Business Managers of Artists, Performers, and Athletes
 - 13-1011 Agents and Business Managers of Artists, Performers, and Athletes
 - 13-1020 Buyers and Purchasing Agents
 - 13-1021 Purchasing Agents and Buyers, Farm Products
 - 13-1022 Wholesale and Retail Buyers, Except Farm Products
 - 13-1023 Purchasing Agents, Except Wholesale, Retail, and Farm Products
 - 13-1030 Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation
 - 13-1031 Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation
 - 13-1040 Cost Estimators
 - 13-1041 Cost Estimators
 - 13-1050 Emergency Management Specialists
 - 13-1051 Emergency Management Specialists
 - 13-1060 Human Resources, Training, and Labor Relations Specialists
 - 13-1061 Employment, Recruitment, and Placement Specialists
 - 13-1062 Compensation, Benefits, and Job Analysis Specialists
 - 13-1063 Training and Development Specialists
 - 13-1069 Human Resources, Training, and Labor Relations Specialists, All Other
 - 13-1070 Insurance Claims Adjusters, Appraisers, Examiners, and Investigators
 - 13-1071 Insurance Claims Adjusters, Examiners, and Investigators
 - 13-1072 Insurance Appraisers, Auto Damage
 - 13-1080 Logisticians
 - 13-1081 Logisticians
 - 13-1110 Management Analysts
 - 13-1111 Management Analysts
 - 13-1120 Meeting and Convention Planners
 - 13-1121 Meeting and Convention Planners
 - 13-1190 Miscellaneous Business Operations Specialists
 - 13-1199 Business Operations Specialists, All Other
 - 13-2000 FINANCIAL SPECIALISTS
 - 13-2010 Accountants and Auditors
 - 13-2011 Accountants and Auditors
 - 13-2020 Assessors and Real Estate Appraisers
 - 13-2021 Assessors and Real Estate Appraisers
 - 13-2030 Budget Analysts
 - 13-2031 Budget Analysts
 - 13-2040 Credit Analysts
 - 13-2041 Credit Analysts
 - 13-2050 Financial Analysts and Advisors
 - 13-2051 Financial Analysts
 - 13-2052 Personal Financial Advisors
 - 13-2053 Insurance Underwriters
 - 13-2060 Financial Examiners
 - 13-2061 Financial Examiners
 - 13-2070 Loan Counselors and Officers
 - 13-2071 Loan Counselors
 - 13-2072 Loan Officers
 - 13-2080 Tax Examiners, Collectors, Preparers, and Revenue Agents
 - 13-2081 Tax Examiners, Collectors, and Revenue Agents
 - 13-2082 Tax Preparers
 - 13-2090 Miscellaneous Financial Specialists
 - 13-2099 Financial Specialists, All Other
 - 15-0000 COMPUTER AND MATHEMATICAL OCCUPATIONS
 - 15-1000 COMPUTER SPECIALISTS
 - 15-1010 Computer and Information Scientists, Research
 - 15-1011 Computer and Information Scientists, Research
 - 15-1020 Computer Programmers
 - 15-1021 Computer Programmers
 - 15-1030 Computer Software Engineers
 - 15-1031 Computer Software Engineers, Applications
 - 15-1032 Computer Software Engineers, Systems Software
 - 15-1040 Computer Support Specialists
 - 15-1041 Computer Support Specialists
 - 15-1050 Computer Systems Analysts
 - 15-1051 Computer Systems Analysts
 - 15-1060 Database Administrators
 - 15-1061 Database Administrators

- 15-1070 Network and Computer Systems Administrators
 - 15-1071 Network and Computer Systems Administrators
- 15-1080 Network Systems and Data Communications Analysts
 - 15-1081 Network Systems and Data Communications Analysts
- 15-1090 Miscellaneous Computer Specialists
 - 15-1099 Computer Specialists, All Other
- 15-2000 MATHEMATICAL SCIENTISTS
 - 15-2010 Actuaries
 - 15-2011 Actuaries
 - 15-2020 Mathematicians
 - 15-2021 Mathematicians
 - 15-2030 Operations Researchers and Analysts
 - 15-2031 Operations Researchers and Analysts
 - 15-2040 Statisticians
 - 15-2041 Statisticians
 - 15-2090 Miscellaneous Mathematical Scientists
 - 15-2099 Mathematical Scientists, All Other
- 15-3000 MATHEMATICAL TECHNICIANS
 - 15-3010 Mathematical Technicians
 - 15-3011 Mathematical Technicians
- 17-0000 ARCHITECTURE AND ENGINEERING OCCUPATIONS
 - 17-1000 ARCHITECTS, SURVEYORS, AND CARTOGRAPHERS
 - 17-1010 Architects, Except Naval
 - 17-1011 Architects, Except Landscape and Naval
 - 17-1012 Landscape Architects
 - 17-1020 Surveyors, Cartographers, and Photogrammetrists
 - 17-1021 Cartographers and Photogrammetrists
 - 17-1022 Surveyors
 - 17-2000 ENGINEERS
 - 17-2010 Aerospace Engineers
 - 17-2011 Aerospace Engineers
 - 17-2020 Agricultural Engineers
 - 17-2021 Agricultural Engineers
 - 17-2030 Biomedical Engineers
 - 17-2031 Biomedical Engineers
 - 17-2040 Chemical Engineers
 - 17-2041 Chemical Engineers
 - 17-2050 Civil Engineers
 - 17-2051 Civil Engineers
 - 17-2060 Computer Hardware Engineers
 - 17-2061 Computer Hardware Engineers
 - 17-2070 Electrical and Electronics Engineers
 - 17-2071 Electrical Engineers
 - 17-2072 Electronics Engineers, Except Computer
 - 17-2080 Environmental Engineers
 - 17-2081 Environmental Engineers
 - 17-2110 Industrial Engineers, Including Health and Safety
 - 17-2111 Health and Safety Engineers, Except Mining Safety Engineers and Inspectors
 - 17-2112 Industrial Engineers
 - 17-2120 Marine Engineers and Naval Architects
 - 17-2121 Marine Engineers and Naval Architects
 - 17-2130 Materials Engineers
 - 17-2131 Materials Engineers
 - 17-2140 Mechanical Engineers
 - 17-2141 Mechanical Engineers
 - 17-2150 Mining and Geological Engineers, Including Mining Safety Engineers
 - 17-2151 Mining and Geological Engineers, Including Mining Safety Engineers
 - 17-2160 Nuclear Engineers
 - 17-2161 Nuclear Engineers
 - 17-2170 Petroleum Engineers
 - 17-2171 Petroleum Engineers
 - 17-2190 Miscellaneous Engineers
 - 17-2199 Engineers, All Other
 - 17-3000 DRAFTERS, ENGINEERING, AND MAPPING TECHNICIANS
 - 17-3010 Drafters
 - 17-3011 Architectural and Civil Drafters
 - 17-3012 Electrical and Electronics Drafters
 - 17-3013 Mechanical Drafters
 - 17-3019 Drafters, All Other
 - 17-3020 Engineering Technicians, Except Drafters
 - 17-3021 Aerospace Engineering and Operations Technicians
 - 17-3022 Civil Engineering Technicians
 - 17-3023 Electrical and Electronic Engineering Technicians
 - 17-3024 Electro-mechanical Technicians
 - 17-3025 Environmental Engineering Technicians
 - 17-3026 Industrial Engineering Technicians

- 17-3027 Mechanical Engineering Technicians
- 17-3029 Engineering Technicians, Except Drafters, All Other
- 17-3030 Surveying and Mapping Technicians
- 17-3031 Surveying and Mapping Technicians
- 19-0000 LIFE, PHYSICAL, AND SOCIAL SCIENCE OCCUPATIONS
- 19-1000 LIFE SCIENTISTS
- 19-1010 Agricultural and Food Scientists
- 19-1011 Animal Scientists
- 19-1012 Food Scientists and Technologists
- 19-1013 Soil and Plant Scientists
- 19-1020 Biological Scientists
- 19-1021 Biochemists and Biophysicists
- 19-1022 Microbiologists
- 19-1023 Zoologists and Wildlife Biologists
- 19-1029 Biological Scientists, All Other
- 19-1030 Conservation Scientists and Foresters
- 19-1031 Conservation Scientists
- 19-1032 Foresters
- 19-1040 Medical Scientists
- 19-1041 Epidemiologists
- 19-1049 Medical Scientists, All Other
- 19-1090 Miscellaneous Life Scientists
- 19-1099 Life Scientists, All Other
- 19-2000 PHYSICAL SCIENTISTS
- 19-2010 Astronomers and Physicists
- 19-2011 Astronomers
- 19-2012 Physicists
- 19-2020 Atmospheric and Space Scientists
- 19-2021 Atmospheric and Space Scientists
- 19-2030 Chemists and Materials Scientists
- 19-2031 Chemists
- 19-2032 Materials Scientists
- 19-2040 Environmental Scientists and Geoscientists
- 19-2041 Environmental Scientists
- 19-2042 Geoscientists, Except Hydrologists and Geographers
- 19-2043 Hydrologists
- 19-2090 Miscellaneous Physical Scientists
- 19-2099 Physical Scientists, All Other
- 19-3000 SOCIAL SCIENTISTS AND RELATED WORKERS
- 19-3010 Economists
- 19-3011 Economists
- 19-3020 Market and Survey Researchers
- 19-3021 Market Research Analysts
- 19-3022 Survey Researchers
- 19-3030 Psychologists
- 19-3031 Clinical, Counseling, and School Psychologists
- 19-3032 Industrial-organizational Psychologists
- 19-3039 Psychologists, All Other
- 19-3040 Sociologists
- 19-3041 Sociologists
- 19-3050 Urban and Regional Planners
- 19-3051 Urban and Regional Planners
- 19-3090 Miscellaneous Social Scientists and Related Workers
- 19-3091 Anthropologists and Archeologists
- 19-3092 Geographers
- 19-3093 Historians
- 19-3094 Political Scientists
- 19-3099 Social Scientists and Related Workers, All Other
- 19-4000 LIFE, PHYSICAL, AND SOCIAL SCIENCE TECHNICIANS
- 19-4010 Agricultural and Food Science Technicians
- 19-4011 Agricultural and Food Science Technicians
- 19-4020 Biological Technicians
- 19-4021 Biological Technicians
- 19-4030 Chemical Technicians
- 19-4031 Chemical Technicians
- 19-4040 Geological and Petroleum Technicians
- 19-4041 Geological and Petroleum Technicians
- 19-4050 Nuclear Technicians
- 19-4051 Nuclear Technicians
- 19-4060 Social Science Research Assistants
- 19-4061 Social Science Research Assistants
- 19-4090 Miscellaneous Life, Physical, and Social Science Technicians
- 19-4091 Environmental Science Technicians
- 19-4092 Forensic Science Technicians
- 19-4093 Forest and Conservation Technicians
- 19-4099 Life, Physical, and Social Science Technicians, All Other

- 21-0000 COMMUNITY AND SOCIAL SERVICES OCCUPATIONS
 - 21-1000 COUNSELORS, SOCIAL WORKERS, AND OTHER COMMUNITY AND SOCIAL SERVICE SPECIALISTS
 - 21-1010 Counselors
 - 21-1011 Substance Abuse and Behavioral Disorder Counselors
 - 21-1012 Educational, Vocational, and School Counselors
 - 21-1013 Marriage and Family Therapists
 - 21-1014 Mental Health Counselors
 - 21-1015 Rehabilitation Counselors
 - 21-1019 Counselors, All Other
 - 21-1020 Social Workers
 - 21-1021 Child, Family, and School Social Workers
 - 21-1022 Medical and Public Health Social Workers
 - 21-1023 Mental Health and Substance Abuse Social Workers
 - 21-1029 Social Workers, All Other
 - 21-1090 Miscellaneous Psychosocial, Community, and Behavioral Specialists
 - 21-1091 Health Educators
 - 21-1092 Probation Officers and Correctional Treatment Specialists
 - 21-1093 Social and Human Service Assistants
 - 21-1099 Psychosocial, Community, and Behavioral Specialists, All Other
 - 21-2000 RELIGIOUS WORKERS
 - 21-2010 Clergy
 - 21-2011 Clergy
 - 21-2020 Directors, Religious Activities and Education
 - 21-2021 Directors, Religious Activities and Education
 - 21-2090 Miscellaneous Religious Workers
 - 21-2099 Religious Workers, All Other
- 23-0000 LEGAL OCCUPATIONS
 - 23-1000 LAWYERS, JUDGES, AND RELATED WORKERS
 - 23-1010 Lawyers
 - 23-1011 Lawyers
 - 23-1020 Judges, Magistrates, and Other Judicial Workers
 - 23-1021 Administrative Law Judges and Hearing Officers
 - 23-1022 Arbitrators, Mediators, and Conciliators
 - 23-1023 Judges, Magistrate Judges, and Magistrates
 - 23-2000 LEGAL SUPPORT WORKERS
 - 23-2010 Paralegals and Legal Assistants
 - 23-2011 Paralegals and Legal Assistants
 - 23-2090 Miscellaneous Legal Support Workers
 - 23-2091 Court Reporters
 - 23-2092 Law Clerks
 - 23-2093 Title Examiners, Abstractors, and Searchers
 - 23-2099 Legal Support Workers, All Other
- 25-0000 EDUCATION, TRAINING, AND LIBRARY OCCUPATIONS
 - 25-1000 TEACHERS, POSTSECONDARY
 - 25-1010 Business Teachers, Postsecondary
 - 25-1011 Business Teachers, Postsecondary
 - 25-1020 Math and Computer Teachers, Postsecondary
 - 25-1021 Computer Science Teachers, Postsecondary
 - 25-1022 Mathematical Science Teachers, Postsecondary
 - 25-1030 Engineering and Architecture Teachers, Postsecondary
 - 25-1031 Architecture Teachers, Postsecondary
 - 25-1032 Engineering Teachers, Postsecondary
 - 25-1040 Life Sciences Teachers, Postsecondary
 - 25-1041 Agricultural Sciences Teachers, Postsecondary
 - 25-1042 Biological Science Teachers, Postsecondary
 - 25-1043 Forestry and Conservation Science Teachers, Postsecondary
 - 25-1050 Physical Sciences Teachers, Postsecondary
 - 25-1051 Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary
 - 25-1052 Chemistry Teachers, Postsecondary
 - 25-1053 Environmental Science Teachers, Postsecondary
 - 25-1054 Physics Teachers, Postsecondary
 - 25-1060 Social Sciences Teachers, Postsecondary
 - 25-1061 Anthropology and Archeology Teachers, Postsecondary
 - 25-1062 Area, Ethnic, and Cultural Studies Teachers, Postsecondary
 - 25-1063 Economics Teachers, Postsecondary
 - 25-1064 Geography Teachers, Postsecondary
 - 25-1065 Political Science Teachers, Postsecondary
 - 25-1066 Psychology Teachers, Postsecondary
 - 25-1067 Sociology Teachers, Postsecondary
 - 25-1069 Social Sciences Teachers, Postsecondary, All Other
 - 25-1070 Health Teachers, Postsecondary
 - 25-1071 Health Specialties Teachers, Postsecondary
 - 25-1072 Nursing Instructors and Teachers, Postsecondary
 - 25-1080 Education and Library Science Teachers, Postsecondary
 - 25-1081 Education Teachers, Postsecondary
 - 25-1082 Library Science Teachers, Postsecondary

- 25-1110 Law, Criminal Justice, and Social Services Teachers, Postsecondary
- 25-1111 Criminal Justice and Law Enforcement Teachers, Postsecondary
- 25-1112 Law Teachers, Postsecondary
- 25-1113 Social Work Teachers, Postsecondary
- 25-1120 Arts, Communications, and Humanities Teachers, Postsecondary
- 25-1121 Art, Drama, and Music Teachers, Postsecondary
- 25-1122 Communications Teachers, Postsecondary
- 25-1123 English Language and Literature Teachers, Postsecondary
- 25-1124 Foreign Language and Literature Teachers, Postsecondary
- 25-1125 History Teachers, Postsecondary
- 25-1126 Philosophy and Religion Teachers, Postsecondary
- 25-1190 Miscellaneous Postsecondary Teachers
- 25-1191 Graduate Assistants, Teaching
- 25-1192 Home Economics Teachers, Postsecondary
- 25-1193 Recreation and Fitness Studies Teachers, Postsecondary
- 25-1199 Postsecondary Teachers, All Other
- 25-2000 TEACHERS, PRIMARY, SECONDARY, AND SPECIAL EDUCATION
- 25-2010 Teachers, Preschool and Kindergarten
- 25-2011 Teachers, Preschool
- 25-2012 Teachers, Kindergarten
- 25-2020 Teachers, Elementary and Middle School
- 25-2021 Teachers, Elementary School
- 25-2022 Teachers, Middle School
- 25-2030 Teachers, Secondary School
- 25-2031 Teachers, Secondary School
- 25-2040 Special Education Teachers
- 25-2041 Special Education Teachers
- 25-3000 OTHER TEACHERS AND INSTRUCTORS
- 25-3010 Literacy, Remedial Education, and GED Teachers and Instructors
- 25-3011 Literacy, Remedial Education, and GED Teachers and Instructors
- 25-3020 Self-enrichment Education Teachers
- 25-3021 Self-enrichment Education Teachers
- 25-3030 Vocational Education and Training Teachers and Instructors
- 25-3031 Vocational Education and Training Teachers and Instructors
- 25-3090 Miscellaneous Teachers and Instructors
- 25-3099 Teachers and Instructors, All Other
- 25-4000 LIBRARIANS, CURATORS, AND ARCHIVISTS
- 25-4010 Archivists, Curators, and Museum Technicians
- 25-4011 Archivists
- 25-4012 Curators
- 25-4013 Museum Technicians and Conservators
- 25-4020 Librarians
- 25-4021 Librarians
- 25-4030 Library Technicians
- 25-4031 Library Technicians
- 25-9000 OTHER EDUCATION, TRAINING, AND LIBRARY OCCUPATIONS
- 25-9010 Audio-visual Collections Specialists
- 25-9011 Audio-visual Collections Specialists
- 25-9020 Farm and Home Management Advisors
- 25-9021 Farm and Home Management Advisors
- 25-9030 Instructional Coordinators
- 25-9031 Instructional Coordinators
- 25-9040 Teacher Assistants
- 25-9041 Teacher Assistants
- 25-9090 Miscellaneous Education, Training, and Library Workers
- 25-9099 Education, Training, and Library Workers, All Other
- 27-0000 ARTS, DESIGN, ENTERTAINMENT, SPORTS, AND MEDIA OCCUPATIONS
- 27-1000 ART AND DESIGN WORKERS
- 27-1010 Artists and Related Workers
- 27-1011 Art Directors
- 27-1012 Craft Artists
- 27-1013 Fine Artists, Including Painters, Sculptors, and Illustrators
- 27-1014 Multi-Media Artists and Animators
- 27-1019 Artists and Related Workers, All Other
- 27-1020 Designers
- 27-1021 Commercial and Industrial Designers
- 27-1022 Fashion Designers
- 27-1023 Floral Designers
- 27-1024 Graphic Designers
- 27-1025 Interior Designers
- 27-1026 Merchandise Displayers and Window Trimmers
- 27-1027 Set and Exhibit Designers
- 27-1029 Designers, All Other
- 27-2000 ENTERTAINERS AND PERFORMERS, SPORTS AND RELATED WORKERS
- 27-2010 Actors, Producers, and Directors
- 27-2011 Actors

- 27-2012 Producers and Directors
- 27-2020 Athletes, Coaches, Umpires, and Related Workers
 - 27-2021 Athletes and Sports Competitors
 - 27-2022 Coaches and Scouts
 - 27-2023 Umpires, Referees, and Other Sports Officials
- 27-2030 Dancers and Choreographers
 - 27-2031 Dancers
 - 27-2032 Choreographers
- 27-2040 Musicians, Singers, and Related Workers
 - 27-2041 Music Directors and Composers
 - 27-2042 Musicians and Singers
- 27-2090 Miscellaneous Entertainers and Performers, Sports and Related Workers
 - 27-2099 Entertainers and Performers, Sports and Related Workers, All Other
- 27-3000 MEDIA AND COMMUNICATION WORKERS
 - 27-3010 Announcers
 - 27-3011 Radio and Television Announcers
 - 27-3012 Public Address System and Other Announcers
 - 27-3020 News Analysts, Reporters and Correspondents
 - 27-3021 Broadcast News Analysts
 - 27-3022 Reporters and Correspondents
 - 27-3030 Public Relations Specialists
 - 27-3031 Public Relations Specialists
 - 27-3040 Writers and Editors
 - 27-3041 Editors
 - 27-3042 Technical Writers
 - 27-3043 Writers and Authors
 - 27-3090 Miscellaneous Media and Communication Workers
 - 27-3091 Interpreters and Translators
 - 27-3099 Media and Communication Workers, All Other
- 27-4000 MEDIA AND COMMUNICATION EQUIPMENT WORKERS
 - 27-4010 Broadcast and Sound Engineering Technicians and Radio Operators
 - 27-4011 Broadcast Technicians
 - 27-4012 Radio Operators
 - 27-4013 Sound Engineering Technicians
 - 27-4020 Photographers
 - 27-4021 Photographers
 - 27-4030 Television, Video, and Motion Picture Camera Operators and Editors
 - 27-4031 Camera Operators, Television, Video, and Motion Picture
 - 27-4032 Film and Video Editors
 - 27-4090 Miscellaneous Media and Communication Equipment Workers
 - 27-4099 Media and Communication Equipment Workers, All Other
- 29-0000 HEALTHCARE PRACTITIONERS AND TECHNICAL OCCUPATIONS
 - 29-1000 HEALTH DIAGNOSING AND TREATING PRACTITIONERS
 - 29-1010 Chiropractors
 - 29-1011 Chiropractors
 - 29-1020 Dentists
 - 29-1021 Dentists, General
 - 29-1022 Oral and Maxillofacial Surgeons
 - 29-1023 Orthodontists
 - 29-1024 Prosthodontists
 - 29-1029 Dentists, All Other Specialists
 - 29-1030 Dietitians and Nutritionists
 - 29-1031 Dietitians and Nutritionists
 - 29-1040 Optometrists
 - 29-1041 Optometrists
 - 29-1050 Pharmacists
 - 29-1051 Pharmacists
 - 29-1060 Physicians and Surgeons
 - 29-1061 Anesthesiologists
 - 29-1062 Family and General Practitioners
 - 29-1063 Internists, General
 - 29-1064 Obstetricians and Gynecologists
 - 29-1065 Pediatricians, General
 - 29-1066 Psychiatrists
 - 29-1067 Surgeons
 - 29-1069 Physicians and Surgeons, All Other
 - 29-1070 Physician Assistants
 - 29-1071 Physician Assistants
 - 29-1080 Podiatrists
 - 29-1081 Podiatrists
 - 29-1110 Registered Nurses
 - 29-1111 Registered Nurses
 - 29-1120 Therapists
 - 29-1121 Audiologists
 - 29-1122 Occupational Therapists
 - 29-1123 Physical Therapists

- 29-1124 Radiation Therapists
- 29-1125 Recreational Therapists
- 29-1126 Respiratory Therapists
- 29-1127 Speech-language Pathologists
- 29-1129 Therapists, All Other
- 29-1130 Veterinarians
 - 29-1131 Veterinarians
- 29-1190 Miscellaneous Health Diagnosing and Treating Practitioners
 - 29-1199 Health Diagnosing and Treating Practitioners, All Other
- 29-2000 HEALTH TECHNOLOGISTS AND TECHNICIANS
 - 29-2010 Clinical Laboratory Technologists and Technicians
 - 29-2011 Medical and Clinical Laboratory Technologists
 - 29-2012 Medical and Clinical Laboratory Technicians
 - 29-2020 Dental Hygienists
 - 29-2021 Dental Hygienists
 - 29-2030 Diagnostic Related Technologists and Technicians
 - 29-2031 Cardiovascular Technologists and Technicians
 - 29-2032 Diagnostic Medical Sonographers
 - 29-2033 Nuclear Medicine Technologists
 - 29-2034 Radiologic Technologists and Technicians
 - 29-2040 Emergency Medical Technicians and Paramedics
 - 29-2041 Emergency Medical Technicians and Paramedics
 - 29-2050 Health Diagnosing and Treating Practitioner Support Technicians
 - 29-2051 Dietetic Technicians
 - 29-2052 Pharmacy Technicians
 - 29-2053 Psychiatric Technicians
 - 29-2054 Respiratory Therapy Technicians
 - 29-2055 Surgical Technologists
 - 29-2056 Veterinary Technologists and Technicians
 - 29-2060 Licensed Practical and Licensed Vocational Nurses
 - 29-2061 Licensed Practical and Licensed Vocational Nurses
 - 29-2070 Medical Records and Health Information Technicians
 - 29-2071 Medical Records and Health Information Technicians
 - 29-2080 Opticians, Dispensing
 - 29-2081 Opticians, Dispensing
 - 29-2090 Miscellaneous Health Technologists and Technicians
 - 29-2091 Orthotists and Prosthetists
 - 29-2099 Health Technologists and Technicians, All Other
- 29-9000 OTHER HEALTHCARE PRACTITIONERS AND TECHNICAL OCCUPATIONS
 - 29-9010 Occupational Health and Safety Specialists and Technicians
 - 29-9011 Occupational Health and Safety Specialists
 - 29-9012 Occupational Health and Safety Technicians
 - 29-9090 Miscellaneous Healthcare Practitioners and Technical Workers, All Other
 - 29-9091 Athletic Trainers
 - 29-9099 Healthcare Practitioners and Technical Workers, All Other
- 31-0000 HEALTHCARE SUPPORT OCCUPATIONS
 - 31-1000 NURSING, PSYCHIATRIC, AND HOME HEALTH AIDES
 - 31-1010 Nursing, Psychiatric, and Home Health Aides
 - 31-1011 Home Health Aides
 - 31-1012 Nursing Aides, Orderlies, and Attendants
 - 31-1013 Psychiatric Aides
 - 31-2000 OCCUPATIONAL AND PHYSICAL THERAPIST ASSISTANTS AND AIDES
 - 31-2010 Occupational Therapist Assistants and Aides
 - 31-2011 Occupational Therapist Assistants
 - 31-2012 Occupational Therapist Aides
 - 31-2020 Physical Therapist Assistants and Aides
 - 31-2021 Physical Therapist Assistants
 - 31-2022 Physical Therapist Aides
 - 31-9000 OTHER HEALTHCARE SUPPORT OCCUPATIONS
 - 31-9090 Miscellaneous Healthcare Support Occupations
 - 31-9091 Dental Assistants
 - 31-9092 Medical Assistants
 - 31-9093 Medical Equipment Preparers
 - 31-9094 Medical Transcriptionists
 - 31-9095 Pharmacy Aides
 - 31-9096 Veterinary Assistants and Laboratory Animal Caretakers
 - 31-9099 Healthcare Support Workers, All Other
- 33-0000 PROTECTIVE SERVICE OCCUPATIONS
 - 33-1000 SUPERVISORS, PROTECTIVE SERVICE WORKERS
 - 33-1010 First-Line Supervisors/Managers, Law Enforcement Workers
 - 33-1011 First-Line Supervisors/Managers of Correctional Officers
 - 33-1012 First-Line Supervisors/Managers of Police and Detectives
 - 33-1020 First-Line Supervisors/Managers, Fire Fighting and Prevention Workers
 - 33-1021 First-Line Supervisors/Managers of Fire Fighting and Prevention Workers
 - 33-1090 Miscellaneous Supervisors, Protective Service Workers
 - 33-1099 Supervisors, Protective Service Workers, All Other

- 33-2000 FIREFIGHTING WORKERS
 - 33-2010 Fire Fighters
 - 33-2011 Fire Fighters
 - 33-2020 Fire Inspectors
 - 33-2021 Fire Inspectors and Investigators
 - 33-2022 Forest Fire Inspectors and Prevention Specialists
- 33-3000 LAW ENFORCEMENT WORKERS
 - 33-3010 Bailiffs, Correctional Officers, and Jailers
 - 33-3011 Bailiffs
 - 33-3012 Correctional Officers and Jailers
 - 33-3020 Detectives and Criminal Investigators
 - 33-3021 Detectives and Criminal Investigators
 - 33-3030 Fish and Game Wardens
 - 33-3031 Fish and Game Wardens
 - 33-3040 Parking Enforcement Workers
 - 33-3041 Parking Enforcement Workers
 - 33-3050 Police Officers
 - 33-3051 Police and Sheriff's Patrol Officers
 - 33-3052 Transit and Railroad Police
- 33-9000 OTHER PROTECTIVE SERVICE WORKERS
 - 33-9010 Animal Control Workers
 - 33-9011 Animal Control Workers
 - 33-9020 Private Detectives and Investigators
 - 33-9021 Private Detectives and Investigators
 - 33-9030 Security Guards
 - 33-9031 Security Guards
 - 33-9090 Miscellaneous Protective Service Workers
 - 33-9091 Crossing Guards
 - 33-9092 Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers
 - 33-9099 Protective Service Workers, All Other
- 35-0000 FOOD PREPARATION AND SERVING RELATED OCCUPATIONS
 - 35-1000 SUPERVISORS, FOOD PREPARATION AND FOOD SERVING WORKERS
 - 35-1010 First-Line Supervisors/Managers, Food Preparation and Food Serving Workers
 - 35-1011 Chefs and Head Cooks
 - 35-1012 First-Line Supervisors/Managers of Food Preparation and Serving Workers
 - 35-2000 COOKS AND FOOD PREPARATION WORKERS
 - 35-2010 Cooks
 - 35-2011 Cooks, Fast Food
 - 35-2012 Cooks, Institution and Cafeteria
 - 35-2013 Cooks, Private Household
 - 35-2014 Cooks, Restaurant
 - 35-2015 Cooks, Short Order
 - 35-2019 Cooks, All Other
 - 35-2020 Food Preparation Workers
 - 35-2021 Food Preparation Workers
 - 35-3000 FOOD AND BEVERAGE SERVING WORKERS
 - 35-3010 Bartenders
 - 35-3011 Bartenders
 - 35-3020 Fast Food and Counter Workers
 - 35-3021 Combined Food Preparation and Serving Workers, Including Fast Food
 - 35-3022 Counter Attendants, Cafeteria, Food Concession, and Coffee Shop
 - 35-3030 Waiters and Waitresses
 - 35-3031 Waiters and Waitresses
 - 35-3040 Food Servers, Nonrestaurant
 - 35-3041 Food Servers, Nonrestaurant
 - 35-9000 OTHER FOOD PREPARATION AND SERVING RELATED WORKERS
 - 35-9010 Dining Room and Cafeteria Attendants and Bartender Helpers
 - 35-9011 Dining Room and Cafeteria Attendants and Bartender Helpers
 - 35-9020 Dishwashers
 - 35-9021 Dishwashers
 - 35-9030 Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop
 - 35-9031 Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop
 - 35-9090 Miscellaneous Food Preparation and Serving Related Workers
 - 35-9099 Food Preparation and Serving Related Workers, All Other
- 37-0000 BUILDING AND GROUNDS CLEANING AND MAINTENANCE OCCUPATIONS
 - 37-1000 SUPERVISORS, BUILDING AND GROUNDS CLEANING AND MAINTENANCE WORKERS
 - 37-1010 First-Line Supervisors/Managers, Building and Grounds Cleaning and Maintenance Workers
 - 37-1011 First-Line Supervisors/Managers of Housekeeping and Janitorial Workers
 - 37-1012 First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers
 - 37-2000 BUILDING CLEANING AND PEST CONTROL WORKERS
 - 37-2010 Building Cleaning Workers
 - 37-2011 Janitors and Cleaners, Except Maids and Housekeeping Cleaners
 - 37-2012 Maids and Housekeeping Cleaners
 - 37-2019 Building Cleaning Workers, All Other
 - 37-2020 Pest Control Workers
 - 37-2021 Pest Control Workers

- 37-3000 GROUNDS MAINTENANCE WORKERS
 - 37-3010 Grounds Maintenance Workers
 - 37-3011 Landscaping and Groundskeeping Workers
 - 37-3012 Pesticide Handlers, Sprayers, and Applicators, Vegetation
 - 37-3013 Tree Trimmers and Pruners
 - 37-3019 Grounds Maintenance Workers, All Other
- 39-0000 PERSONAL CARE AND SERVICE OCCUPATIONS
 - 39-1000 SUPERVISORS, PERSONAL CARE AND SERVICE WORKERS
 - 39-1010 First-Line Supervisors/Managers of Gaming Workers
 - 39-1011 First-Line Supervisors/Managers of Gaming Workers
 - 39-1020 First-Line Supervisors/Managers of Personal Service Workers
 - 39-1021 First-Line Supervisors/Managers of Personal Service Workers
 - 39-2000 ANIMAL CARE AND SERVICE WORKERS
 - 39-2010 Animal Trainers
 - 39-2011 Animal Trainers
 - 39-2020 Nonfarm Animal Caretakers
 - 39-2021 Nonfarm Animal Caretakers
 - 39-3000 ENTERTAINMENT ATTENDANTS AND RELATED WORKERS
 - 39-3010 Gaming Workers
 - 39-3011 Games of Chance Attendants
 - 39-3012 Gaming Dealers
 - 39-3013 Mutuel Cashiers and Games of Chance Writers
 - 39-3020 Motion Picture Projectionists
 - 39-3021 Motion Picture Projectionists
 - 39-3030 Ushers, Lobby Attendants, and Ticket Takers
 - 39-3031 Ushers, Lobby Attendants, and Ticket Takers
 - 39-3090 Miscellaneous Entertainment Attendants and Related Workers
 - 39-3091 Amusement and Recreation Attendants
 - 39-3092 Costume Attendants
 - 39-3093 Locker Room, Coatroom, and Dressing Room Attendants
 - 39-3099 Entertainment Attendants and Related Workers, All Other
 - 39-4000 FUNERAL SERVICE WORKERS
 - 39-4010 Embalmers
 - 39-4011 Embalmers
 - 39-4020 Funeral Attendants
 - 39-4021 Funeral Attendants
 - 39-5000 PERSONAL APPEARANCE WORKERS
 - 39-5010 Barbers and Cosmetologists
 - 39-5011 Barbers
 - 39-5012 Hairdressers, Hairstylists, and Cosmetologists
 - 39-5090 Miscellaneous Personal Appearance Workers
 - 39-5091 Makeup Artists, Theatrical and Performance
 - 39-5092 Manicurists and Pedicurists
 - 39-5093 Shampoos
 - 39-5094 Skin Care Specialists
 - 39-6000 TRANSPORTATION, TOURISM, AND LODGING ATTENDANTS
 - 39-6010 Baggage Porters, Bellhops, and Concierges
 - 39-6011 Baggage Porters and Bellhops
 - 39-6012 Concierges
 - 39-6020 Tour and Travel Guides
 - 39-6021 Tour Guides and Escorts
 - 39-6022 Travel Guides
 - 39-6030 Transportation Attendants
 - 39-6031 Flight Attendants
 - 39-6032 Transportation Attendants, Except Flight Attendants and Baggage Porters
 - 39-9000 OTHER PERSONAL CARE AND SERVICE WORKERS
 - 39-9010 Child Care Workers
 - 39-9011 Child Care Workers
 - 39-9020 Massage Therapists
 - 39-9021 Massage Therapists
 - 39-9030 Personal and Home Care Aides
 - 39-9031 Personal and Home Care Aides
 - 39-9040 Recreation and Fitness Workers
 - 39-9041 Fitness Trainers and Aerobics Instructors
 - 39-9042 Recreation Workers
 - 39-9050 Residential Advisors
 - 39-9051 Residential Advisors
 - 39-9090 Miscellaneous Personal Care and Service Workers
 - 39-9099 Personal Care and Service Workers, All Other
- 41-0000 SALES AND RELATED OCCUPATIONS
 - 41-1000 SUPERVISORS, SALES WORKERS
 - 41-1010 First-Line Supervisors/Managers, Sales Workers
 - 41-1011 First-Line Supervisors/Managers of Retail Sales Workers
 - 41-1012 First-Line Supervisors/Managers of Non-Retail Sales Workers
 - 41-2000 RETAIL SALES WORKERS
 - 41-2010 Cashiers

- 41-2011 Cashiers
- 41-2020 Counter and Rental Clerks and Parts Salespersons
 - 41-2021 Counter and Rental Clerks
 - 41-2022 Parts Salespersons
- 41-2030 Retail Salespersons
 - 41-2031 Retail Salespersons
- 41-3000 SALES REPRESENTATIVES, SERVICES
 - 41-3010 Advertising Sales Agents
 - 41-3011 Advertising Sales Agents
 - 41-3020 Insurance Sales Agents
 - 41-3021 Insurance Sales Agents
 - 41-3030 Securities, Commodities, and Financial Services Sales Agents
 - 41-3031 Securities, Commodities, and Financial Services Sales Agents
 - 41-3040 Travel Agents
 - 41-3041 Travel Agents
 - 41-3090 Miscellaneous Sales Representatives, Services
 - 41-3099 Sales Representatives, Services, All Other
- 41-4000 SALES REPRESENTATIVES, WHOLESALE AND MANUFACTURING
 - 41-4010 Sales Representatives, Wholesale and Manufacturing
 - 41-4011 Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products
 - 41-4012 Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products
- 41-9000 OTHER SALES AND RELATED WORKERS
 - 41-9010 Models, Demonstrators, and Product Promoters
 - 41-9011 Demonstrators and Product Promoters
 - 41-9012 Models
 - 41-9020 Real Estate Brokers and Sales Agents
 - 41-9021 Real Estate Brokers
 - 41-9022 Real Estate Sales Agents
 - 41-9030 Sales Engineers
 - 41-9031 Sales Engineers
 - 41-9040 Telemarketers
 - 41-9041 Telemarketers
 - 41-9090 Miscellaneous Sales and Related Workers
 - 41-9091 Door-to-Door Sales Workers, News and Street Vendors, and Related Workers
 - 41-9099 Sales and Related Workers, All Other
- 43-0000 OFFICE AND ADMINISTRATIVE SUPPORT OCCUPATIONS
 - 43-1000 SUPERVISORS, OFFICE AND ADMINISTRATIVE SUPPORT WORKERS
 - 43-1010 First-Line Supervisors/Managers of Office and Administrative Support Workers
 - 43-1011 First-Line Supervisors/Managers of Office and Administrative Support Workers
 - 43-2000 COMMUNICATIONS EQUIPMENT OPERATORS
 - 43-2010 Switchboard Operators, Including Answering Service
 - 43-2011 Switchboard Operators, Including Answering Service
 - 43-2020 Telephone Operators
 - 43-2021 Telephone Operators
 - 43-2090 Miscellaneous Communications Equipment Operators
 - 43-2099 Communications Equipment Operators, All Other
 - 43-3000 FINANCIAL CLERKS
 - 43-3010 Bill and Account Collectors
 - 43-3011 Bill and Account Collectors
 - 43-3020 Billing and Posting Clerks and Machine Operators
 - 43-3021 Billing and Posting Clerks and Machine Operators
 - 43-3030 Bookkeeping, Accounting, and Auditing Clerks
 - 43-3031 Bookkeeping, Accounting, and Auditing Clerks
 - 43-3040 Payroll and Timekeeping Clerks
 - 43-3041 Payroll and Timekeeping Clerks
 - 43-3050 Procurement Clerks
 - 43-3051 Procurement Clerks
 - 43-3060 Tellers
 - 43-3061 Tellers
 - 43-4000 INFORMATION AND RECORD CLERKS
 - 43-4010 Brokerage Clerks
 - 43-4011 Brokerage Clerks
 - 43-4020 Correspondence Clerks
 - 43-4021 Correspondence Clerks
 - 43-4030 Court, Municipal, and License Clerks
 - 43-4031 Court, Municipal, and License Clerks
 - 43-4040 Credit Authorizers, Checkers, and Clerks
 - 43-4041 Credit Authorizers, Checkers, and Clerks
 - 43-4050 Customer Service Representatives
 - 43-4051 Customer Service Representatives
 - 43-4060 Eligibility Interviewers, Government Programs
 - 43-4061 Eligibility Interviewers, Government Programs
 - 43-4070 File Clerks
 - 43-4071 File Clerks
 - 43-4080 Hotel, Motel, and Resort Desk Clerks
 - 43-4081 Hotel, Motel, and Resort Desk Clerks

- 43-4110 Interviewers, Except Eligibility and Loan
- 43-4111 Interviewers, Except Eligibility and Loan
- 43-4120 Library Assistants, Clerical
- 43-4121 Library Assistants, Clerical
- 43-4130 Loan Interviewers and Clerks
- 43-4131 Loan Interviewers and Clerks
- 43-4140 New Accounts Clerks
- 43-4141 New Accounts Clerks
- 43-4150 Order Clerks
- 43-4151 Order Clerks
- 43-4160 Personnel Assistants, Except Payroll and Timekeeping
- 43-4161 Personnel Assistants, Except Payroll and Timekeeping
- 43-4170 Receptionists and Information Clerks
- 43-4171 Receptionists and Information Clerks
- 43-4180 Reservation and Transportation Ticket Agents and Travel Clerks
- 43-4181 Reservation and Transportation Ticket Agents and Travel Clerks
- 43-4190 Miscellaneous Information and Record Clerks
- 43-4199 Information and Record Clerks, All Other
- 43-5000 MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS
- 43-5010 Cargo and Freight Agents
- 43-5011 Cargo and Freight Agents
- 43-5020 Couriers and Messengers
- 43-5021 Couriers and Messengers
- 43-5030 Dispatchers
- 43-5031 Police, Fire, and Ambulance Dispatchers
- 43-5032 Dispatchers, Except Police, Fire, and Ambulance
- 43-5040 Meter Readers, Utilities
- 43-5041 Meter Readers, Utilities
- 43-5050 Postal Service Workers
- 43-5051 Postal Service Clerks
- 43-5052 Postal Service Mail Carriers
- 43-5053 Postal Service Mail Sorters, Processors, and Processing Machine Operators
- 43-5060 Production, Planning, and Expediting Clerks
- 43-5061 Production, Planning, and Expediting Clerks
- 43-5070 Shipping, Receiving, and Traffic Clerks
- 43-5071 Shipping, Receiving, and Traffic Clerks
- 43-5080 Stock Clerks and Order Fillers
- 43-5081 Stock Clerks and Order Fillers
- 43-5110 Weighers, Measurers, Checkers, and Samplers, Recordkeeping
- 43-5111 Weighers, Measurers, Checkers, and Samplers, Recordkeeping
- 43-6000 SECRETARIES AND ADMINISTRATIVE ASSISTANTS
- 43-6010 Secretaries and Administrative Assistants
- 43-6011 Executive Secretaries and Administrative Assistants
- 43-6012 Secretaries, Legal
- 43-6013 Secretaries, Medical
- 43-6019 Secretaries, All Other
- 43-9000 OTHER OFFICE AND ADMINISTRATIVE SUPPORT WORKERS
- 43-9010 Computer Operators
- 43-9011 Computer Operators
- 43-9020 Data Entry and Information Processing Workers
- 43-9021 Data Entry Keyers
- 43-9022 Word Processors and Typists
- 43-9030 Desktop Publishers
- 43-9031 Desktop Publishers
- 43-9040 Insurance Claims and Policy Processing Clerks
- 43-9041 Insurance Claims and Policy Processing Clerks
- 43-9050 Mail Clerks and Mail Machine Operators, Except Postal Service
- 43-9051 Mail Clerks and Mail Machine Operators, Except Postal Service
- 43-9060 Office Clerks, General
- 43-9061 Office Clerks, General
- 43-9070 Office Machine Operators, Except Computer
- 43-9071 Office Machine Operators, Except Computer
- 43-9080 Proofreaders and Copy Markers
- 43-9081 Proofreaders and Copy Markers
- 43-9110 Statistical Assistants
- 43-9111 Statistical Assistants
- 43-9190 Miscellaneous Office and Administrative Support Workers
- 43-9199 Office and Administrative Support Workers, All Other
- 45-0000 FARMING, FISHING, AND FORESTRY OCCUPATIONS
- 45-1000 SUPERVISORS, FARMING, FISHING, AND FORESTRY WORKERS
- 45-1010 First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers
- 45-1011 First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers
- 45-2000 AGRICULTURAL WORKERS
- 45-2010 Agricultural Inspectors
- 45-2011 Agricultural Inspectors
- 45-2020 Animal Breeders

- 45-2021 Animal Breeders
- 45-2030 Farm Labor Contractors
 - 45-2031 Farm Labor Contractors
- 45-2040 Graders and Sorters, Agricultural Products
 - 45-2041 Graders and Sorters, Agricultural Products
- 45-2090 Miscellaneous Agricultural Workers
 - 45-2091 Agricultural Equipment Operators
 - 45-2092 Farmworkers and Laborers, Crop, Nursery, and Greenhouse
 - 45-2093 Farmworkers, Farm and Ranch Animals
 - 45-2099 Agricultural Workers, All Other
- 45-3000 FISHING AND HUNTING WORKERS
 - 45-3010 Fishers and Related Fishing Workers
 - 45-3011 Fishers and Related Fishing Workers
 - 45-3020 Hunters and Trappers
 - 45-3021 Hunters and Trappers
- 45-4000 FOREST, CONSERVATION, AND LOGGING WORKERS
 - 45-4010 Forest and Conservation Workers
 - 45-4011 Forest and Conservation Workers
 - 45-4020 Logging Workers
 - 45-4021 Fallers
 - 45-4022 Logging Equipment Operators
 - 45-4023 Log Graders and Scalers
 - 45-4029 Logging Workers, All Other
- 45-9000 OTHER FARMING, FISHING, AND FORESTRY WORKERS
 - 45-9090 Miscellaneous Farming, Fishing, and Forestry Workers
 - 45-9099 Farming, Fishing, and Forestry Workers, All Other
- 47-0000 CONSTRUCTION AND EXTRACTION OCCUPATIONS
 - 47-1000 SUPERVISORS, CONSTRUCTION AND EXTRACTION WORKERS
 - 47-1010 First-Line Supervisors/Managers of Construction Trades and Extraction Workers
 - 47-1011 First-Line Supervisors/Managers of Construction Trades and Extraction Workers
 - 47-2000 CONSTRUCTION TRADES WORKERS
 - 47-2010 Boilermakers
 - 47-2011 Boilermakers
 - 47-2020 Brickmasons, Blockmasons, and Stonemasons
 - 47-2021 Brickmasons and Blockmasons
 - 47-2022 Stonemasons
 - 47-2030 Carpenters
 - 47-2031 Carpenters
 - 47-2040 Carpet, Floor, and Tile Installers and Finishers
 - 47-2041 Carpet Installers
 - 47-2042 Floor Layers, Except Carpet, Wood, and Hard Tiles
 - 47-2043 Floor Sanders and Finishers
 - 47-2044 Tile and Marble Setters
 - 47-2050 Concrete Finishers, Cement Masons, and Terrazzo Workers
 - 47-2051 Concrete Finishers and Cement Masons
 - 47-2052 Terrazzo Workers and Finishers
 - 47-2060 Construction Craft Laborers
 - 47-2061 Construction Craft Laborers
 - 47-2070 Construction Equipment Operators
 - 47-2071 Paving, Surfacing, and Tamping Equipment Operators
 - 47-2072 Pile-Driver Operators
 - 47-2073 Operating Engineers and Other Construction Equipment Operators
 - 47-2080 Drywall Installers, Ceiling Tile Installers, and Tapers
 - 47-2081 Drywall and Ceiling Tile Installers
 - 47-2082 Tapers
 - 47-2110 Electricians
 - 47-2111 Electricians
 - 47-2120 Glaziers
 - 47-2121 Glaziers
 - 47-2130 Insulation Workers
 - 47-2131 Insulation Workers, Floor, Ceiling, and Wall
 - 47-2132 Insulation Workers, Mechanical
 - 47-2140 Painters and Paperhangers
 - 47-2141 Painters, Construction and Maintenance
 - 47-2142 Paperhangers
 - 47-2150 Pipelayers, Plumbers, Pipefitters, and Steamfitters
 - 47-2151 Pipelayers
 - 47-2152 Plumbers, Pipefitters, and Steamfitters
 - 47-2160 Plasterers and Stucco Masons
 - 47-2161 Plasterers and Stucco Masons
 - 47-2170 Reinforcing Iron and Rebar Workers
 - 47-2171 Reinforcing Iron and Rebar Workers
 - 47-2180 Roofers
 - 47-2181 Roofers
 - 47-2210 Sheet Metal Workers
 - 47-2211 Sheet Metal Workers

- 47-2220 Structural Iron and Steel Workers
- 47-2221 Structural Iron and Steel Workers
- 47-3000 HELPERS, CONSTRUCTION TRADES
 - 47-3010 Helpers, Construction Trades
 - 47-3011 Helpers—Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters
 - 47-3012 Helpers—Carpenters
 - 47-3013 Helpers—Electricians
 - 47-3014 Helpers—Painters, Paperhangers, Plasterers, and Stucco Masons
 - 47-3015 Helpers—Pipelayers, Plumbers, Pipefitters, and Steamfitters
 - 47-3016 Helpers—Roofers
 - 47-3019 Helpers, Construction Trades, All Other
- 47-4000 OTHER CONSTRUCTION AND RELATED WORKERS
 - 47-4010 Construction and Building Inspectors
 - 47-4011 Construction and Building Inspectors
 - 47-4020 Elevator Installers and Repairers
 - 47-4021 Elevator Installers and Repairers
 - 47-4030 Fence Erectors
 - 47-4031 Fence Erectors
 - 47-4040 Hazardous Materials Removal Workers
 - 47-4041 Hazardous Materials Removal Workers
 - 47-4050 Highway Maintenance Workers
 - 47-4051 Highway Maintenance Workers
 - 47-4060 Rail-track Laying and Maintenance Equipment Operators
 - 47-4061 Rail-track Laying and Maintenance Equipment Operators
 - 47-4070 Septic Tank Servicers and Sewer Pipe Cleaners
 - 47-4071 Septic Tank Servicers and Sewer Pipe Cleaners
 - 47-4090 Miscellaneous Construction and Related Workers
 - 47-4099 Construction and Related Workers, All Other
- 47-5000 EXTRACTION WORKERS
 - 47-5010 Derrick, Rotary Drill, and Service Unit Operators, Oil, Gas, and Mining
 - 47-5011 Derrick Operators, Oil and Gas
 - 47-5012 Rotary Drill Operators, Oil and Gas
 - 47-5013 Service Unit Operators, Oil, Gas, and Mining
 - 47-5020 Earth Drillers, Except Oil and Gas
 - 47-5021 Earth Drillers, Except Oil and Gas
 - 47-5030 Explosives Workers, Ordnance Handling Experts, and Blasters
 - 47-5031 Explosives Workers, Ordnance Handling Experts, and Blasters
 - 47-5040 Mining Machine Operators
 - 47-5041 Continuous Mining Machine Operators
 - 47-5042 Mine Cutting and Channeling Machine Operators
 - 47-5049 Mining Machine Operators, All Other
 - 47-5050 Rock Splitters, Quarry
 - 47-5051 Rock Splitters, Quarry
 - 47-5060 Roof Bolters, Mining
 - 47-5061 Roof Bolters, Mining
 - 47-5070 Roustabouts, Oil and Gas
 - 47-5071 Roustabouts, Oil and Gas
 - 47-5080 Helpers—Extraction Workers
 - 47-5081 Helpers—Extraction Workers
 - 47-5090 Miscellaneous Extraction Workers
 - 47-5099 Extraction Workers, All Other
- 49-0000 INSTALLATION, MAINTENANCE, AND REPAIR OCCUPATIONS
 - 49-1000 SUPERVISORS OF MECHANICS, INSTALLERS, AND REPAIRERS
 - 49-1010 First-Line Supervisors/Managers of Mechanics, Installers, and Repairers
 - 49-1011 First-Line Supervisors/Managers of Mechanics, Installers, and Repairers
 - 49-2000 ELECTRICAL AND ELECTRONIC EQUIPMENT MECHANICS, INSTALLERS, AND REPAIRERS
 - 49-2010 Computer, Automated Teller, and Office Machine Repairers
 - 49-2011 Computer, Automated Teller, and Office Machine Repairers
 - 49-2020 Radio and Telecommunications Equipment Installers and Repairers
 - 49-2021 Radio Mechanics
 - 49-2022 Telecommunications Equipment Installers and Repairers, Except Line Installers
 - 49-2090 Miscellaneous Electrical and Electronic Equipment Mechanics, Installers, and Repairers
 - 49-2091 Avionics Technicians
 - 49-2092 Electric Motor, Power Tool, and Related Repairers
 - 49-2093 Electrical and Electronics Installers and Repairers, Transportation Equipment
 - 49-2094 Electrical and Electronics Repairers, Commercial and Industrial Equipment
 - 49-2095 Electrical and Electronics Repairers, Powerhouse, Substation, and Relay
 - 49-2096 Electronic Equipment Installers and Repairers, Motor Vehicles
 - 49-2097 Electronic Home Entertainment Equipment Installers and Repairers
 - 49-2098 Security and Fire Alarm Systems Installers
 - 49-3000 VEHICLE AND MOBILE EQUIPMENT MECHANICS, INSTALLERS, AND REPAIRERS
 - 49-3010 Aircraft Mechanics and Service Technicians
 - 49-3011 Aircraft Mechanics and Service Technicians
 - 49-3020 Automotive Mechanics and Repairers
 - 49-3021 Automotive Body and Related Repairers
 - 49-3022 Automotive Glass Installers and Repairers

- 49-3023 Automotive Mechanics and Service Technicians
- 49-3030 Engine Mechanics, Except Aircraft and Automotive
- 49-3031 Bus and Truck Mechanics and Diesel Engine Specialists
- 49-3032 Motorcycle Mechanics
- 49-3033 Small Engine Mechanics
- 49-3090 Miscellaneous Vehicle and Mobile Equipment Mechanics, Installers, and Repairers
 - 49-3091 Bicycle Repairers
 - 49-3092 Farm Equipment Mechanics
 - 49-3093 Mobile Heavy Equipment Mechanics, Except Engines
 - 49-3094 Rail Car Repairers
 - 49-3095 Recreational Vehicle Service Technicians
 - 49-3096 Tire Repairers and Changers
- 49-9000 OTHER INSTALLATION, MAINTENANCE, AND REPAIR OCCUPATIONS
 - 49-9010 Control and Valve Installers and Repairers
 - 49-9011 Mechanical Door Repairers
 - 49-9019 Control and Valve Installers and Repairers, All Other
 - 49-9020 Heating, Air Conditioning, and Refrigeration Mechanics and Installers
 - 49-9021 Heating, Air Conditioning, and Refrigeration Mechanics and Installers
 - 49-9030 Home Appliance Repairers
 - 49-9031 Home Appliance Repairers
 - 49-9040 Industrial Machinery Installation, Repair, and Maintenance Workers
 - 49-9041 Industrial Machinery Mechanics
 - 49-9042 Maintenance and Repair Workers, General
 - 49-9043 Maintenance Workers, Machinery
 - 49-9044 Millwrights
 - 49-9045 Refractory Materials Repairers, Except Brickmasons
 - 49-9050 Line Installers and Repairers
 - 49-9051 Electrical Power-line Installers and Repairers
 - 49-9052 Telecommunications Line Installers and Repairers
 - 49-9060 Precision Instrument and Equipment Repairers
 - 49-9061 Camera and Photographic Equipment Repairers
 - 49-9062 Medical Equipment Repairers
 - 49-9063 Musical Instrument Repairers and Tuners
 - 49-9064 Watch Repairers
 - 49-9069 Precision Instrument and Equipment Repairers, All Other
 - 49-9090 Miscellaneous Installation, Maintenance, and Repair Workers
 - 49-9091 Coin, Vending, and Amusement Machine Servicers and Repairers
 - 49-9092 Commercial Divers
 - 49-9093 Fabric Menders, Except Garment
 - 49-9094 Locksmiths and Safe Repairers
 - 49-9095 Manufactured Building and Mobile Home Installers
 - 49-9096 Riggers
 - 49-9097 Signal and Track Switch Repairers
 - 49-9098 Helpers—Installation, Maintenance, and Repair Workers
 - 49-9099 Installation, Maintenance, and Repair Workers, All Other
- 51-0000 PRODUCTION OCCUPATIONS
 - 51-1000 SUPERVISORS, PRODUCTION AND OPERATING WORKERS
 - 51-1010 First-Line Supervisors/Managers of Production and Operating Workers
 - 51-1011 First-Line Supervisors/Managers of Production and Operating Workers
 - 51-2000 ASSEMBLERS AND FABRICATORS
 - 51-2010 Aircraft Structure, Surfaces, Rigging, and Systems Assemblers
 - 51-2011 Aircraft Structure, Surfaces, Rigging, and Systems Assemblers
 - 51-2020 Electrical, Electronics, and Electromechanical Assemblers
 - 51-2021 Coil Winders, Tapers, and Finishers
 - 51-2022 Electrical and Electronic Equipment Assemblers
 - 51-2023 Electromechanical Equipment Assemblers
 - 51-2030 Engine and Other Machine Assemblers
 - 51-2031 Engine and Other Machine Assemblers
 - 51-2040 Structural Metal Fabricators and Fitters
 - 51-2041 Structural Metal Fabricators and Fitters
 - 51-2090 Miscellaneous Assemblers and Fabricators
 - 51-2091 Fiberglass Laminators and Fabricators
 - 51-2092 Team Assemblers
 - 51-2093 Timing Device Assemblers, Adjusters, and Calibrators
 - 51-2099 Assemblers and Fabricators, All Other
 - 51-3000 FOOD PROCESSING WORKERS
 - 51-3010 Bakers
 - 51-3011 Bakers
 - 51-3020 Butchers and Other Meat, Poultry, and Fish Processing Workers
 - 51-3021 Butchers and Meat Cutters
 - 51-3022 Meat, Poultry, and Fish Cutters and Trimmers
 - 51-3023 Slaughterers and Meat Packers
 - 51-3090 Miscellaneous Food Processing Workers
 - 51-3091 Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders
 - 51-3092 Food Batchmakers
 - 51-3093 Food Cooking Machine Operators and Tenders

51-4000 METALWORKERS AND PLASTIC WORKERS

51-4010 Computer Control Programmers and Operators

51-4011 Computer-controlled Machine Tool Operators, Metal and Plastic

51-4012 Numerical Tool and Process Control Programmers

51-4020 Machine Forming Setters, Operators, and Tenders, Metal and Plastic

51-4021 Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic

51-4022 Forging Machine Setters, Operators, and Tenders, Metal and Plastic

51-4023 Rolling Machine Setters, Operators, and Tenders, Metal and Plastic

51-4030 Machine Tool Cutting Setters, Operators, and Tenders, Metal and Plastic

51-4031 Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic

51-4032 Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic

51-4033 Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic

51-4034 Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic

51-4035 Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic

51-4040 Machinists

51-4041 Machinists

51-4050 Metal Furnace and Kiln Operators and Tenders

51-4051 Metal-refining Furnace Operators and Tenders

51-4052 Pourers and Casters, Metal

51-4060 Model Makers and Patternmakers, Metal and Plastic

51-4061 Model Makers, Metal and Plastic

51-4062 Patternmakers, Metal and Plastic

51-4070 Molders and Molding Machine Setters, Operators, and Tenders, Metal and Plastic

51-4071 Foundry Mold and Coremakers

51-4072 Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic

51-4080 Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic

51-4081 Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic

51-4110 Tool and Die Makers

51-4111 Tool and Die Makers

51-4120 Welding, Soldering, and Brazing Workers

51-4121 Welders, Cutters, Solderers, and Brazers

51-4122 Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders

51-4190 Miscellaneous Metalworkers and Plastic Workers

51-4191 Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic

51-4192 Lay-out Workers, Metal and Plastic

51-4193 Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic

51-4194 Tool Grinders, Filers, and Sharpeners

51-4199 Metalworkers and Plastic Workers, All Other

51-5000 PRINTING WORKERS

51-5010 Bookbinders and Bindery Workers

51-5011 Bindery Workers

51-5012 Bookbinders

51-5020 Printers

51-5021 Job Printers

51-5022 Prepress Technicians and Workers

51-5023 Printing Machine Operators

51-6000 TEXTILE, APPAREL, AND FURNISHINGS WORKERS

51-6010 Laundry and Dry-cleaning Workers

51-6011 Laundry and Dry-cleaning Workers

51-6020 Pressers, Textile, Garment, and Related Materials

51-6021 Pressers, Textile, Garment, and Related Materials

51-6030 Sewing Machine Operators

51-6031 Sewing Machine Operators

51-6040 Shoe Workers

51-6041 Shoe and Leather Workers and Repairers

51-6042 Shoe Machine Operators and Tenders

51-6050 Tailors, Dressmakers, and Sewers

51-6051 Sewers, Hand

51-6052 Tailors, Dressmakers, and Custom Sewers

51-6060 Textile Machine Setters, Operators, and Tenders

51-6061 Textile Bleaching and Dyeing Machine Operators and Tenders

51-6062 Textile Cutting Machine Setters, Operators, and Tenders

51-6063 Textile Knitting and Weaving Machine Setters, Operators, and Tenders

51-6064 Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders

51-6090 Miscellaneous Textile, Apparel, and Furnishings Workers

51-6091 Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers

51-6092 Fabric and Apparel Patternmakers

51-6093 Upholsterers

51-6099 Textile, Apparel, and Furnishings Workers, All Other

51-7000 WOODWORKERS

51-7010 Cabinetmakers and Bench Carpenters

51-7011 Cabinetmakers and Bench Carpenters

51-7020 Furniture Finishers

51-7021 Furniture Finishers

51-7030 Model Makers and Patternmakers, Wood

51-7031 Model Makers, Wood

- 51-7032 Patternmakers, Wood
- 51-7040 Woodworking Machine Setters, Operators, and Tenders
 - 51-7041 Sawing Machine Setters, Operators, and Tenders, Wood
 - 51-7042 Woodworking Machine Setters, Operators, and Tenders, Except Sawing
- 51-7090 Miscellaneous Woodworkers
 - 51-7099 Woodworkers, All Other
- 51-8000 PLANT AND SYSTEM OPERATORS
 - 51-8010 Power Plant Operators, Distributors, and Dispatchers
 - 51-8011 Nuclear Power Reactor Operators
 - 51-8012 Power Distributors and Dispatchers
 - 51-8013 Power Plant Operators
 - 51-8020 Stationary Engineers and Boiler Operators
 - 51-8021 Stationary Engineers and Boiler Operators
 - 51-8030 Water and Liquid Waste Treatment Plant and System Operators
 - 51-8031 Water and Liquid Waste Treatment Plant and System Operators
 - 51-8090 Miscellaneous Plant and System Operators
 - 51-8091 Chemical Plant and System Operators
 - 51-8092 Gas Plant Operators
 - 51-8093 Petroleum Pump System Operators, Refinery Operators, and Gaugers
 - 51-8099 Plant and System Operators, All Other
- 51-9000 OTHER PRODUCTION OCCUPATIONS
 - 51-9010 Chemical Processing Machine Setters, Operators, and Tenders
 - 51-9011 Chemical Equipment Operators and Tenders
 - 51-9012 Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders
 - 51-9020 Crushing, Grinding, Polishing, Mixing, and Blending Workers
 - 51-9021 Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders
 - 51-9022 Grinding and Polishing Workers, Hand
 - 51-9023 Mixing and Blending Machine Setters, Operators, and Tenders
 - 51-9030 Cutting Workers
 - 51-9031 Cutters and Trimmers, Hand
 - 51-9032 Cutting and Slicing Machine Setters, Operators, and Tenders
 - 51-9040 Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders
 - 51-9041 Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders
 - 51-9050 Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders
 - 51-9051 Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders
 - 51-9060 Inspectors, Testers, Sorters, Samplers, and Weighers
 - 51-9061 Inspectors, Testers, Sorters, Samplers, and Weighers
 - 51-9070 Jewelers and Precious Stone and Metal Workers
 - 51-9071 Jewelers and Precious Stone and Metal Workers
 - 51-9080 Medical, Dental, and Ophthalmic Laboratory Technicians
 - 51-9081 Dental Laboratory Technicians
 - 51-9082 Medical Appliance Technicians
 - 51-9083 Ophthalmic Laboratory Technicians
 - 51-9110 Packaging and Filling Machine Operators and Tenders
 - 51-9111 Packaging and Filling Machine Operators and Tenders
 - 51-9120 Painting Workers
 - 51-9121 Coating, Painting, and Spraying Machine Setters, Operators, and Tenders
 - 51-9122 Painters, Transportation Equipment
 - 51-9123 Painting, Coating, and Decorating Workers
 - 51-9130 Photographic Process Workers and Processing Machine Operators
 - 51-9131 Photographic Process Workers
 - 51-9132 Photographic Processing Machine Operators
 - 51-9140 Semiconductor Processors
 - 51-9141 Semiconductor Processors
 - 51-9190 Miscellaneous Production Workers
 - 51-9191 Cementing and Gluing Machine Operators and Tenders
 - 51-9192 Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders
 - 51-9193 Cooling and Freezing Equipment Operators and Tenders
 - 51-9194 Etchers and Engravers
 - 51-9195 Molders, Shapers, and Casters, Except Metal and Plastic
 - 51-9196 Paper Goods Machine Setters, Operators, and Tenders
 - 51-9197 Tire Builders
 - 51-9198 Helpers—Production Workers
 - 51-9199 Production Workers, All Other
- 53-0000 TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS
 - 53-1000 SUPERVISORS, TRANSPORTATION AND MATERIAL MOVING WORKERS
 - 53-1010 Aircraft Cargo Handling Supervisors
 - 53-1011 Aircraft Cargo Handling Supervisors
 - 53-1020 First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand
 - 53-1021 First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand
 - 53-1030 First-Line Supervisors/Managers of Transportation and Material-moving Machine and Vehicle Operators
 - 53-1031 First-Line Supervisors/Managers of Transportation and Material-moving Machine and Vehicle Operators
 - 53-2000 AIR TRANSPORTATION WORKERS
 - 53-2010 Aircraft Pilots and Flight Engineers
 - 53-2011 Airline Pilots, Copilots, and Flight Engineers
 - 53-2012 Commercial Pilots

- 53-2020 Air Traffic Controllers and Airfield Operations Specialists
 - 53-2021 Air Traffic Controllers
 - 53-2022 Airfield Operations Specialists
- 53-3000 MOTOR VEHICLE OPERATORS
 - 53-3010 Ambulance Drivers and Attendants, Except Emergency Medical Technicians
 - 53-3011 Ambulance Drivers and Attendants, Except Emergency Medical Technicians
 - 53-3020 Bus Drivers
 - 53-3021 Bus Drivers, Transit and Intercity
 - 53-3022 Bus Drivers, School
 - 53-3030 Driver/Sales Workers and Truck Drivers
 - 53-3031 Driver/Sales Workers
 - 53-3032 Truck Drivers, Heavy and Tractor-trailer
 - 53-3033 Truck Drivers, Light or Delivery Services
 - 53-3040 Taxi Drivers and Chauffeurs
 - 53-3041 Taxi Drivers and Chauffeurs
 - 53-3090 Miscellaneous Motor Vehicle Operators
 - 53-3099 Motor Vehicle Operators, All Other
- 53-4000 RAIL TRANSPORTATION WORKERS
 - 53-4010 Locomotive Engineers and Operators
 - 53-4011 Locomotive Engineers
 - 53-4012 Locomotive Firers
 - 53-4013 Rail Yard Engineers, Dinkey Operators, and Hostlers
 - 53-4020 Railroad Brake, Signal, and Switch Operators
 - 53-4021 Railroad Brake, Signal, and Switch Operators
 - 53-4030 Railroad Conductors and Yardmasters
 - 53-4031 Railroad Conductors and Yardmasters
 - 53-4040 Subway and Streetcar Operators
 - 53-4041 Subway and Streetcar Operators
 - 53-4090 Miscellaneous Rail Transportation Workers
 - 53-4099 Rail Transportation Workers, All Other
- 53-5000 WATER TRANSPORTATION WORKERS
 - 53-5010 Sailors and Marine Oilers
 - 53-5011 Sailors and Marine Oilers
 - 53-5020 Ship and Boat Captains and Operators
 - 53-5021 Captains, Mates, and Pilots of Water Vessels
 - 53-5022 Motorboat Operators
 - 53-5030 Ship Engineers
 - 53-5031 Ship Engineers
- 53-6000 OTHER TRANSPORTATION WORKERS
 - 53-6010 Bridge and Lock Tenders
 - 53-6011 Bridge and Lock Tenders
 - 53-6020 Parking Lot Attendants
 - 53-6021 Parking Lot Attendants
 - 53-6030 Service Station Attendants
 - 53-6031 Service Station Attendants
 - 53-6040 Traffic Technicians
 - 53-6041 Traffic Technicians
 - 53-6050 Transportation Inspectors
 - 53-6051 Transportation Inspectors
 - 53-6090 Miscellaneous Transportation Workers
 - 53-6099 Transportation Workers, All Other
- 53-7000 MATERIAL MOVING WORKERS
 - 53-7010 Conveyor Operators and Tenders
 - 53-7011 Conveyor Operators and Tenders
 - 53-7020 Crane and Tower Operators
 - 53-7021 Crane and Tower Operators
 - 53-7030 Dredge, Excavating, and Loading Machine Operators
 - 53-7031 Dredge Operators
 - 53-7032 Excavating and Loading Machine and Dragline Operators
 - 53-7033 Loading Machine Operators, Underground Mining
 - 53-7040 Hoist and Winch Operators
 - 53-7041 Hoist and Winch Operators
 - 53-7050 Industrial Truck and Tractor Operators
 - 53-7051 Industrial Truck and Tractor Operators
 - 53-7060 Laborers and Material Movers, Hand
 - 53-7061 Cleaners of Vehicles and Equipment
 - 53-7062 Laborers and Freight, Stock, and Material Movers, Hand
 - 53-7063 Machine Feeders and Offbearers
 - 53-7064 Packers and Packagers, Hand
 - 53-7070 Pumping Station Operators
 - 53-7071 Gas Compressor and Gas Pumping Station Operators
 - 53-7072 Pump Operators, Except Wellhead Pumps
 - 53-7073 Wellhead Pumps
 - 53-7080 Refuse and Recyclable Material Collectors
 - 53-7081 Refuse and Recyclable Material Collectors
 - 53-7110 Shuttle Car Operators

- 53-7111 Shuttle Car Operators
- 53-7120 Tank Car, Truck, and Ship Loaders
- 53-7121 Tank Car, Truck, and Ship Loaders
- 53-7190 Miscellaneous Material Moving Workers
- 53-7199 Material Moving Workers, All Other
- 55-0000 MILITARY SPECIFIC OCCUPATIONS
 - 55-1000 MILITARY OFFICER SPECIAL AND TACTICAL OPERATIONS LEADERS/MANAGERS
 - 55-1010 Military Officer Special and Tactical Operations Leaders/Managers
 - 55-1011 Air Crew Officers
 - 55-1012 Aircraft Launch and Recovery Officers
 - 55-1013 Armored Assault Vehicle Officers
 - 55-1014 Artillery and Missile Officers
 - 55-1015 Command and Control Center Officers
 - 55-1016 Infantry Officers
 - 55-1017 Special Forces Officers
 - 55-1019 Military Officer Special and Tactical Operations Leaders/Managers, All Other
 - 55-2000 FIRST-LINE ENLISTED MILITARY SUPERVISORS/MANAGERS
 - 55-2010 First-Line Enlisted Military Supervisors/Managers
 - 55-2011 First-Line Supervisors/Managers of Air Crew Members
 - 55-2012 First-Line Supervisors/Managers of Weapons Specialists/Crew Members
 - 55-2013 First-Line Supervisors/Managers of All Other Tactical Operations Specialists
 - 55-3000 MILITARY ENLISTED TACTICAL OPERATIONS AND AIR/WEAPONS SPECIALISTS AND CREW MEMBERS
 - 55-3010 Military Enlisted Tactical Operations and Air/Weapons Specialists and Crew Members
 - 55-3011 Air Crew Members
 - 55-3012 Aircraft Launch and Recovery Specialists
 - 55-3013 Armored Assault Vehicle Crew Members
 - 55-3014 Artillery and Missile Crew Members
 - 55-3015 Command and Control Center Specialists
 - 55-3016 Infantry
 - 55-3017 Radar and Sonar Technicians
 - 55-3018 Special Forces
 - 55-3019 Military Enlisted Tactical Operations and Air/Weapons Specialists and Crew Members, All Other

**APPENDIX B: SOC Code Cross List—
July 1997 SOC to July 1998 SOC**

7/1997 7/1998

11-1001	11-1011	13-1004	13-1051	17-2003	17-2031
11-1002	11-1021	13-1005	11-9061	17-2004	17-2041
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11-2001	11-3011	13-1012	13-1062	17-2006	17-2061
11-2002	11-2011	13-1013	13-1063	17-2011	17-2071
11-2003	11-3021	13-1019	13-1069	17-2012	17-2072
11-2011	11-3031	13-1021	13-1081	17-2021	17-2081
11-2012	11-3031	13-1022	13-1111	17-2031	17-2111
11-2021	11-3041	13-1023	13-1121	17-2032	17-2112
11-2022	11-3042	13-1099	13-1199	17-2041	17-2121
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11-2042	11-2022	13-2004	13-2041	17-2045	17-2161
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13-1001	13-1011	15-2002	15-2021	19-1021	19-1021
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		17-1012	17-1022	19-1041	19-1049
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		17-2002	17-2021	19-2001	19-2011

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19-2012	19-2043	21-3002	31-1011	27-2062	25-1072
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19-4005	19-4092	23-1014	21-1015	27-4012	25-4012
19-4006	19-4093	23-1019	21-1019	27-4013	25-4013
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33-7005	43-5051	41-3002	39-5012	45-2131	47-3011
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47-2013	49-2093	49-4035	51-4193	51-1001	53-1011
47-2013	49-2096	49-4036	51-4052	51-1002	53-1021
47-2014	49-2094	49-4037	51-4023	51-1003	53-1031
47-2014	49-2095	49-4038	51-2041	51-2011	53-2011
47-2015	49-2097	49-4041	51-4111	51-2012	53-2012
47-3001	49-3011	49-4042	51-4194	51-2021	53-2021
47-3002	49-3021	49-4051	51-4121	51-2022	53-2022
47-3003	49-3022	49-4052	51-4122	51-3001	53-3011
47-3004	49-3023	49-4099	51-4199	51-3011	53-3021
47-3005	49-3091	49-5001	51-5011	51-3012	53-3022
47-3006	49-3031	49-5002	51-5012	51-3021	53-3031
47-3007	49-3092	49-5003	43-9021	51-3022	53-3041
47-3008	49-3093	49-5004	51-5021	51-3031	53-3032
47-3011	49-3032	49-5005	51-5022	51-3032	53-3033
47-3012	49-3094	49-5006	51-5023	51-3099	53-3099
47-3013	49-3095	49-6001	51-6091	51-4011	53-4011
47-3014	49-3033	49-6002	51-6092	51-4012	53-4012
47-4001	49-9061	49-6003	51-6011	51-4013	53-4013
47-4002	49-9091	49-6004	51-6021	51-4021	53-4021
47-4004	49-9051	49-6005	51-6031	51-4022	53-4031
47-4005	49-9093	49-6006	51-6041	51-4023	53-4041
47-4006	49-9021	49-6007	51-6042	51-4099	53-4099
47-4007	49-9031	49-6011	51-6051	51-5001	53-6011
47-4008	49-9041	49-6012	51-6052	51-5002	53-5011
47-4011	49-9094	49-6021	51-6061	51-5011	53-5021
47-4012	49-9042	49-6022	51-6062	51-5012	53-5022
47-4013	49-9043	49-6023	51-6063	51-5021	53-5031
47-4014	49-9095	49-6024	51-6064	51-6001	53-6021
47-4015	49-9011	49-6025	51-6093	51-6002	53-6031
47-4016	49-9062	49-6099	51-6099	51-6003	53-6041
47-4017	49-9044	49-7001	51-7011	51-6004	53-6051
47-4018	49-9063	49-7002	51-7021	51-6005	53-6061
47-4022	49-9045	49-7011	51-7031	51-6099	53-6099
47-4023	49-9096	49-7012	51-7032	51-7001	53-7011
47-4024	49-9097	49-7021	51-7041	51-7002	53-7021
47-4025	49-9052	49-7022	51-7042	51-7003	53-7199
47-4026	49-3096	49-7099	51-7099	51-7011	53-7031
47-4027	49-9064	49-8001	51-8091	51-7012	53-7032
47-4028	49-9098	49-8002	51-8092	51-7013	53-7033
47-4999	49-9092	49-8003	51-8093	51-7021	53-7041
47-4999	49-9099	49-8011	51-8011	51-7022	45-4022
49-1001	51-1011	49-8012	51-8012	51-7022	53-7051
49-2001	51-2011	49-8013	51-8013	51-7023	53-7062
49-2002	51-2021	49-8021	51-8021	51-7024	53-7063
49-2011	51-2022	49-8022	51-8031	51-7031	53-7071
49-2012	51-2023	49-8099	51-8099	51-7032	53-7072
49-2021	51-2031	49-9001	51-9191	51-7033	53-7073
49-2022	51-2091	49-9002	51-9011	51-7041	53-7081
49-2023	51-2092	49-9003	51-9192	51-7042	53-7111
49-2024	51-2093	49-9004	51-9121	51-7043	53-7121
49-2099	51-2099	49-9005	51-9193	51-7044	53-7061
49-3001	51-3011	49-9006	51-9021	51-7099	53-7199
49-3011	51-3021	49-9007	51-9031	53-1001	55-1011
49-3012	51-3022	49-9008	51-9032	53-1002	55-1012
49-3013	51-3023	49-9011	51-9081	53-1003	55-1013
49-3021	51-3091	49-9012	51-9194	53-1004	55-1014
49-3022	51-3092	49-9013	51-9041	53-1005	55-1015
49-3023	51-3093	49-9014	51-9051	53-1006	55-1016
49-4001	51-4011	49-9015	51-9022	53-1007	55-1017
49-4002	51-4031	49-9016	51-9061	53-1099	55-1019
49-4003	51-4032	49-9017	51-9071	53-2001	55-2011
49-4004	51-4021	49-9018	51-9082	53-2002	55-2012
49-4005	51-4022	49-9021	51-9023	53-2003	55-2013
49-4006	51-4033	49-9022	51-9195	53-3001	55-3011
49-4007	51-4191	49-9023	51-9083	53-3002	55-3012
49-4008	51-4034	49-9024	51-9111	53-3003	55-3013

53-3004 55-3014
 53-3005 55-3015
 53-3006 55-3016
 53-3007 55-3017
 53-3008 55-3018
 53-3099 55-3019

Appendix C: Respondents to the July 7, 1997, Federal Register Notice

The SOCRPC received over 200 comments from 194 different individuals and organizations. The appendix below lists the names of individuals, employees of organizations, institutions, private companies, government agencies, and associations who commented on the July 7, 1997, Federal Register Notice.

Alameda Alliance for Health
 American Academy of Audiology
 American Association for Health Education
 American Association for Marriage and Family Therapy
 American Association for Medical Transcription
 American Association of Medical Assistants
 American College of Epidemiology
 American College of Preventive Medicine
 American Dental Hygienists Association
 American Heart Association
 American Institute of Graphic Arts
 American Institute of Physics
 American Physical Therapy Association
 American Physiological Society
 American Public Health Association
 American Society of Alternative Therapists
 American Speech-Language-Hearing Association
 American Translators Association
 Amherst Central High School
 Arizona Department of Economic Security
 Arkansas Department of Health
 Association of American Geographers
 Association of Schools of Public Health
 Association of State and Territorial Directors of Health Promotion and Public Health Education
 Baldassini, Dominique M.
 Bassett, Monica
 Beginnings
 Bendersky, Judith
 Bernards Township Health Department
 Bertallot, Andrew
 Berwitz, Clement, Jr.
 Brewster, Denise G.
 Bureau of Labor Statistics, Chicago Regional Office, National Compensation Survey
 Bureau of Labor Statistics, Office of Safety, Health, and Working Conditions
 Butte County Department of Public Health
 Bynum, Melinda
 C. Hage Associates
 California Council of Local Directors of Health Education
 California Department of Health Services, Emergency Preparedness and Injury Control Branch
 California Health and Welfare Agency
 California State University, Long Beach, Health Science Department
 Catawba County Public Health Department
 Chilton Memorial Hospital
 Coalition of National Health Education Organizations
 Connecticut Department of Labor

Construction Labor Research Council
 Consumer Electronics Manufacturers Association
 Contra Costa Health Services Department
 Council on Education for Public Health
 Dietrich, Eleanor
 Down, Susan E.
 Dunham, Patricia R.
 Durward, Dina
 East Carolina University
 East County Community Health Services
 English Nanny and Governess School, Inc.
 Ennis, Amanda
 Florida Department of Labor and Employment Security
 Forrey, Arden W.
 Fries, Sarah Tilton
 Georgia Department of Labor
 Glazer, Emily
 Guild of Professional Tour Guides of Washington, D. C.
 Guilford County Women's Health Program
 Hartley Dodge Memorial Hospital, Department of Health
 Health Education Consultant's Council
 Hewald, Ohio K.
 Hirtz, Susan
 Idaho Department of Health and Welfare
 Illinois Department of Employment Security
 Illinois State University
 International Hearing Society
 International Labor Office
 International Organization for Medical Physics
 Interstate Commission of Employment Security Agencies
 Iowa State Occupational Information Coordinating Committee
 Jacobson, Solomon G.
 Johns Hopkins University School of Hygiene and Public Health
 Johnson, Barbara L.
 Johnston, Michelle R.
 Kambas, Michael
 Kansas Human Resources
 LA Care Health Plan
 Lackey, Cheryl
 Li, Wex
 Los Angeles Department of Health Services
 Luke's-Roosevelt Hospital Center
 Madison Health Department
 Medical Center Delaware
 Michigan Jobs Commission
 Millburn, Township of, Board of Health
 Minnesota Department of Economic Security
 Minnesota Occupational Information Coordinating Committee
 Missouri Department of Labor and Industrial Relations
 Mobil
 Monroe, Diana L.
 Montana Department of Labor and Industry
 Mortenson, Helen
 National Air Transportation Association
 National Association of Social Workers
 National Association of State Personnel Executives
 National Athletic Trainers Association
 National Certification Board for Therapeutic Massage and Bodywork
 National Commission for Health Education Credentialing
 National Court Reporters Association
 National Environmental Health Association
 National Library of Medicine, Health Services Research Information

National Systems Contractors Association
 National Transportation Safety Board
 Nevada Department of Employment, Training, and Rehabilitation
 New Jersey Department of Health and Senior Services
 New Jersey Department of Labor
 New Jersey Department of Personnel
 New Jersey Graduate Program in Public Health
 New Mexico Department of Labor
 New Mexico State University
 New York Department of Labor
 North Carolina Department of Health and Human Services, Division of Health Promotion
 North Carolina Department of Health and Human Services, Office of Healthy Carolinians
 North Carolina Office of State Personnel
 O*NET—Employment and Training Administration
 O*NET North Carolina Team
 Office of Personnel Management
 Ohio Department of Health, Bureau of Health Promotion and Risk Reduction
 Panama Canal Commission
 PCA Health Plans of Texas, Inc.
 Pennsylvania Department of Labor and Industry
 Pennsylvania State University
 Pensacola Junior College
 Pinellas Workforce Development Board
 Pletka, Wade
 Private Industry Council of San Francisco
 Registry of Interpreters for the Deaf, Inc.
 Rhode Island Department of Health
 Robertson, Anna Ryan
 Rollins School of Public Health
 Rutgers University Student Health Service
 Sakora, Lea
 San Diego Workforce Partnership
 Schreiber Translations and Publishing, Inc.
 Snohomish County Community Health Center
 Snyder, George W. K., Jr.
 Society for Public Health Education, Inc.
 Society for Public Health Education, Inc., Great Lakes Chapter
 Society for Public Health Education, Inc., Greater New York Chapter
 Society for Public Health Education, Inc., New Jersey Chapter
 Society for Public Health Educators, Inc., NCA
 Society for Public Health Education, Inc., San Diego Chapter
 Society for Public Health Education, Inc., Southern California Chapter
 Society of Vascular Technology
 South Carolina Department of Health and Environmental Control, Office of Public Health Education
 South Dakota Department of Labor
 Special Libraries Association
 Special Libraries Association, New York Chapter
 Stanford Patient Education Research Center
 Stevenson, Paul S.
 Stoess, Caryn
 Sweedle, Julie
 Teachers College, Columbia University
 Tennessee Department of Employment Security
 Texas A and M University, Department of Health and Kinesiology

Texas Department of Health
Texas Workforce Commission
U.S. Department of Education, National
Institute of Student Achievement
U.S. Department of Health and Human
Services, Bureau of Health Professions
U.S. Department of Health and Human
Services, National Institute of Health,
National Heart, Lung, and Blood Institute
U.S. Department of Health and Human
Services, National Institute of Health,
National Library of Medicine
U.S. Department of Health and Human
Services, Office of Public Health and
Science
U.S. Department of Health and Human
Services, Office of the Secretary

U.S. Office of Personnel Management
U.S. Senate, Senator Thad Cochran
U.S. Senate, Senator Robert G. Torricelli
UCI Medical Center
Union Pacific Railroad
University of California at San Diego
University of California, Los Angeles
University of Central Arkansas
University of Medicine and Dentistry of New
Jersey, Environmental and Occupational
Health Sciences Institute
University of Michigan
University of Mississippi
University of North Carolina
University of North Florida
University of North Texas Health Science
Center

Vertek
Virginia Mason Medical Center
Wake County Department of Health
Webb, Karen
William Paterson University
Wisconsin Department of Workforce
Development
Wyatt, Phil
Wyoming Department of Employment
Zorrilla, Marcia M.
Donald R. Arbuckle,
*Acting Administrator and Deputy
Administrator, Office of Information and
Regulatory Affairs.*
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