

NTO (Non-Traditional Occupations) refers to the underrepresented sex within the possible occupations under to the Instructional Area Classification code.

IAC	IAC Title	NTO	Cluster Code	Cluster Title
01.01	Agricultural Business and Management	F	1	Agriculture, Food and Natural Resource
01.02	Agricultural Mechanization	F	1	Agriculture, Food and Natural Resource
01.03	Agricultural Production Operations	F	1	Agriculture, Food and Natural Resource
01.04	Agricultural and Food Products Processing Management	F	1	Agriculture, Food and Natural Resource
01.05	Agricultural and Domestic Animal Services	F	1	Agriculture, Food and Natural Resource
01.06	Applied Horticulture/Horticultural Business Services	F	1	Agriculture, Food and Natural Resource
01.07	International Agriculture	F	1	Agriculture, Food and Natural Resource
01.08	Agricultural Public Services	F	1	Agriculture, Food and Natural Resource
01.09	Animal Sciences	F	1	Agriculture, Food and Natural Resource
01.10	Food Science and Technology	F	1	Agriculture, Food and Natural Resource
01.11	Plant Sciences, General	F	1	Agriculture, Food and Natural Resource
01.12	Soil Sciences	F	1	Agriculture, Food and Natural Resource
01.99	Agriculture, Agriculture Operations and Related Sciences, Other	F	1	Agriculture, Food and Natural Resource
03.01	Natural Resources Conservation and Research	F	1	Agriculture, Food and Natural Resource
03.02	Natural Resources Management and Policy	F	1	Agriculture, Food and Natural Resource
03.03	Fishing and Fisheries Sciences and Management	F	1	Agriculture, Food and Natural Resource
03.05	Forestry	F	1	Agriculture, Food and Natural Resource
03.06	Wildlife and Wildlands Science and Management	F	1	Agriculture, Food and Natural Resource
03.99	Natural Resources and Conservation, Other	F	1	Agriculture, Food and Natural Resource
04.02	Architecture	F	2	Architecture and Construction
04.04	Environmental Design	F	2	Architecture and Construction
04.05	Interior Architecture	F	5	Education and Training
04.06	Landscape Architecture	F	2	Architecture and Construction
04.09	Architectural Technology/Technician	F	2	Architecture and Construction
04.99	Architecture and Related Services, Other	F	2	Architecture and Construction
09.01	Communication and Media Studies	F	3	Arts, Audio/Video Technology and Communications
09.04	Journalism	F	3	Arts, Audio/Video Technology and Communications
09.07	Radio, Television, and Digital Communication	F	3	Arts, Audio/Video Technology and Communications
09.09	Public Relations, Advertising, and Applied Communication, Other	F	3	Arts, Audio/Video Technology and Communications
09.99	Communication, Journalism and Related Programs, Other	F	3	Arts, Audio/Video Technology and Communications
10.01	Communications Technology/Technician	F	3	Arts, Audio/Video Technology and Communications
10.02	Audiovisual Communications Technologies/Technician	F	3	Arts, Audio/Video Technology and Communications
10.03	Graphic Communications	F	3	Arts, Audio/Video Technology and Communications
11.01	Computer and Information Sciences, General	F	5	Education and Training
11.02	Computer Programming	F	5	Education and Training
11.03	Data Processing	F	11	Information Technology
11.04	Information Science/Studies	F	5	Education and Training
11.05	Computer Systems Analysis	F	5	Education and Training

IAC	IAC Title	NTO	Cluster Code	Cluster Title
11.06	Data Entry/Microcomputer Applications	M	4	Business, Management and Administration
11.07	Computer Science	F	5	Education and Training
11.08	Computer Software and Media Applications		3	Arts, Audio/Video Technology and Communications
11.09	Computer Systems Networking and Telecommunications	F	11	Information Technology
11.10	Computer/Information Technology Administration and Management	F	11	Information Technology
11.99	Computer and Information Sciences and Support Services, Other	F	11	Information Technology
12.04	Cosmetology and Related Personal Grooming Services	M	14	Marketing Sales and Service
12.05	Culinary Arts and Related Services	F	9	Hospitality and Tourism
12.99	Personal and Culinary Services, Other	F	9	Hospitality and Tourism
13.01	Education, General		5	Education and Training
13.15	Teaching Assistants/Aides	M	5	Education and Training
13.99	Education, Other	F	5	Education and Training
14.01	Engineering, General	F	5	Education and Training
14.02	Aerospace, Aeronautical and Astronautical Engineering	F	5	Education and Training
14.03	Agricultural/Biological Engineering and Bioengineering	F	5	Education and Training
14.04	Architectural Engineering	F	5	Education and Training
14.05	Biomedical/Medical Engineering	F	5	Education and Training
14.06	Ceramic Sciences and Engineering	F	5	Education and Training
14.07	Chemical Engineering	F	5	Education and Training
14.08	Civil Engineering	F	5	Education and Training
14.09	Computer Engineering, General	F	5	Education and Training
14.10	Electrical, Electronics and Communications Engineering	F	5	Education and Training
14.11	Engineering Mechanics	F	5	Education and Training
14.12	Engineering Physics	F	5	Education and Training
14.13	Engineering Science	F	5	Education and Training
14.14	Environmental/Environmental Health Engineering	F	1	Agriculture, Food and Natural Resource
14.18	Materials Engineering	F	2	Architecture and Construction
14.19	Mechanical Engineering	F	2	Architecture and Construction
14.20	Metallurgical Engineering	F	5	Education and Training
14.21	Mining and Mineral Engineering	F	1	Agriculture, Food and Natural Resource
14.22	Naval Architecture and Marine Engineering	F	5	Education and Training
14.23	Nuclear Engineering	F	5	Education and Training
14.24	Ocean Engineering	F	5	Education and Training
14.25	Petroleum Engineering	F	5	Education and Training
14.27	Systems Engineering	F	5	Education and Training
14.28	Textile Sciences and Engineering	F	5	Education and Training
14.31	Materials Science	F	5	Education and Training
14.32	Polymer/Plastics Engineering	F	5	Education and Training
14.33	Construction Engineering	F	2	Architecture and Construction
14.34	Forest Engineering	F	5	Education and Training

IAC	IAC Title	NTO	Cluster Code	Cluster Title
14.35	Industrial Engineering	F	5	Education and Training
14.36	Manufacturing Engineering	F	2	Architecture and Construction
14.37	Operations Research		4	Business, Management and Administration
14.38	Surveying Engineering	F	5	Education and Training
14.39	Geological/Geophysical Engineering	F	5	Education and Training
14.99	Engineering, Other	F	5	Education and Training
15.01	Architectural Engineering Technology/Technicians	F	13	Manufacturing
15.02	Civil Engineering Technology/Technician	F	13	Manufacturing
15.03	Electrical and Electronic Engineering Technologies/Technicians	F	13	Manufacturing
15.04	Electromechanical and Instrumentation and Maintenance Technologies/Technicians	F	13	Manufacturing
15.05	Environmental Control Technologies/Technicians	F	2	Architecture and Construction
15.06	Industrial Production Technologies/Technicians	F	13	Manufacturing
15.07	Quality Control and Safety Technologies/Technicians	F	8	Health Science
15.08	Mechanical Engineering Related Technologies/Technicians	F	16	Transportation, Distribution, and Logistics
15.09	Mining and Petroleum Technologies/Technicians	F	1	Agriculture, Food and Natural Resource
15.10	Construction Engineering Technology/Technician	F	2	Architecture and Construction
15.11	Engineering-Related Technologies	F	2	Architecture and Construction
15.12	Computer Engineering Technologies/Technicians	F	13	Manufacturing
15.13	Drafting/Design Engineering Technologies/Technicians	F	2	Architecture and Construction
15.14	Nuclear Engineering Technology/Technician	F	15	Science, Technology, Engineering and Mathematics
15.15	Industrial Management	F	13	Manufacturing
15.99	Engineering Technologies/Technicians, Other	F	13	Manufacturing
19.01	Family and Consumer Sciences/Human Sciences, General	F	5	Education and Training
19.02	Family and Consumer Sciences/Business Services	F	5	Education and Training
19.04	Family and Consumer Sciences and Related Services	F	5	Education and Training
19.05	Foods, Nutrition, and Related Services	M	8	Health Science
19.06	Housing and Human Environments	F	5	Education and Training
19.07	Human Development, Family Studies, and Related Services	F	5	Education and Training
19.09	Apparel and Textiles	F	5	Education and Training
19.99	Family and Consumer Sciences/Human Sciences, Other	M	5	Education and Training
22.03	Legal Support Services	M	4	Business, Management and Administration
22.99	Legal Professions and Studies, Other		10	Human Services
26.01	Biology, General		5	Education and Training
26.02	Biochemistry, Biophysics and Molecular Biology		5	Education and Training
26.03	Botany/Plant Biology		5	Education and Training
26.04	Cell/Cellular Biology and Anatomical Sciences		5	Education and Training
26.05	Microbiological Sciences and Immunology		5	Education and Training
26.07	Zoology/Animal Biology		1	Agriculture, Food and Natural Resource
26.08	Genetics		5	Education and Training

IAC	IAC Title	NTO	Cluster Code	Cluster Title
26.09	Physiology, Pathology, and Related Sciences		5	Education and Training
26.10	Pharmacology and Toxicology		5	Education and Training
26.11	Bioinformatics and Bioinformatics		5	Education and Training
26.12	Biotechnology		5	Education and Training
26.13	Ecology, Evolution and Population Biology		1	Agriculture, Food and Natural Resource
26.99	Biological and Biomedical Sciences, Other		5	Education and Training
30.08	Mathematics and Computer Science		15	Science, Technology, Engineering and Mathematics
30.16	Accounting and Computer Science		4	Business, Management and Administration
30.17	Behavioral Sciences		10	Human Services
30.18	Natural Sciences		15	Science, Technology, Engineering and Mathematics
30.19	Nutrition Sciences		5	Education and Training
31.01	Parks, Recreation and Leisure Studies	M	5	Education and Training
31.03	Parks, Recreation and Leisure Facilities Management		9	Hospitality and Tourism
31.05	Health and Physical Education/Fitness		5	Education and Training
31.99	Parks, Recreation, Leisure and Fitness Studies, Other		9	Hospitality and Tourism
40.02	Astronomy and Astrophysics	F	15	Science, Technology, Engineering and Mathematics
40.05	Chemistry	F	5	Education and Training
40.08	Physics	F	5	Education and Training
40.99	Physical Sciences, Other		15	Science, Technology, Engineering and Mathematics
41.01	Biology Technician/Biotechnology Laboratory Technician		15	Science, Technology, Engineering and Mathematics
41.02	Nuclear and Industrial Radiologic Technologies/Technicians		15	Science, Technology, Engineering and Mathematics
41.03	Physical Science Technologies/Technicians		15	Science, Technology, Engineering and Mathematics
41.99	Science Technologies/Technicians, Other	F	15	Science, Technology, Engineering and Mathematics
42.01	Psychology, General		5	Education and Training
43.01	Criminal Justice and Corrections	F	5	Education and Training
43.02	Fire Protection	F	12	Law, Public Safety, Corrections and Security
44.02	Community Organization and Advocacy	M	7	Government and Public Administration
44.04	Public Administration	F	4	Business, Management and Administration
44.05	Public Policy Analysis	F	4	Business, Management and Administration
44.07	Social Work	M	5	Education and Training
44.99	Public Administration and Social Service Professions, Other	F	4	Business, Management and Administration
45.04	Criminology		10	Human Services
45.05	Demography and Population Studies		10	Human Services
45.06	Economics		5	Education and Training
45.11	Sociology		5	Education and Training
45.12	Urban Studies/Affairs		10	Human Services
46.01	Mason/Masonry	F	2	Architecture and Construction
46.02	Carpenters	F	2	Architecture and Construction
46.03	Electrical and Power Transmission Installers	F	2	Architecture and Construction
46.04	Building/Construction Finishing, Management, and Inspection	F	2	Architecture and Construction

IAC	IAC Title	NTO	Cluster Code	Cluster Title
46.05	Plumbing and Related Water Supply Services	F	2	Architecture and Construction
46.99	Construction Trades, Other	F	2	Architecture and Construction
47.01	Electrical / Electronic Maintenance and Repair Technology	F	13	Manufacturing
47.02	Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician (HAC, HACR, HVAC, HVACR)	F	2	Architecture and Construction
47.03	Heavy/Industrial Equipment Maintenance Technologies	F	2	Architecture and Construction
47.04	Precision Systems Maintenance and Repair Technologies	F	11	Information Technology
47.06	Vehicle Maintenance and Repair Technologies	F	13	Manufacturing
47.99	Mechanic and Repair Technologies/Technicians, Other	F	13	Manufacturing
48.05	Precision Metal Working	F	13	Manufacturing
48.07	Woodworking	F	13	Manufacturing
48.99	Precision Production, Other	F	3	Arts, Audio/Video Technology and Communications
49.01	Air Transportation	F	16	Transportation, Distribution, and Logistics
49.02	Ground Transportation	F	1	Agriculture, Food and Natural Resource
49.03	Marine Transportation	F	16	Transportation, Distribution, and Logistics
49.99	Transportation and Materials Moving, Other	F	16	Transportation, Distribution, and Logistics
50.04	Design and Applied Arts	F	3	Arts, Audio/Video Technology and Communications
50.06	Film/Video and Photographic Arts	F	3	Arts, Audio/Video Technology and Communications
50.07	Fine and Studio Art	F	3	Arts, Audio/Video Technology and Communications
50.09	Music	F	5	Education and Training
50.99	Visual and Performing Arts, Other	F	5	Education and Training
51.01	Chiropractic (DC)	F	5	Education and Training
51.02	Communication Disorders Sciences and Services	M	5	Education and Training
51.04	Dentistry (DDS, DMD)	F	5	Education and Training
51.05	Advanced/Graduate Dentistry and Oral Sciences	F	5	Education and Training
51.06	Dental Support Services and Allied Professions	M	5	Education and Training
51.07	Health and Medical Administrative Services	M	8	Health Science
51.08	Allied Health and Medical Assisting Services	M	8	Health Science
51.09	Allied Health Diagnostic, Intervention, and Treatment Professions	M	5	Education and Training
51.10	Clinical/Medical Laboratory Science and Allied Professions	M	5	Education and Training
51.11	Health/Medical Preparatory Programs	M	5	Education and Training
51.15	Mental and Social Health Services and Allied Professions	M	10	Human Services
51.18	Ophthalmic and Optometric Support Services and Allied Professions	M	8	Health Science
51.20	Pharmacy, Pharmaceutical Sciences, and Administration	M	5	Education and Training
51.22	Public Health	M	5	Education and Training
51.23	Rehabilitation and Therapeutic Professions	M	5	Education and Training
51.24	Veterinary Medicine (DVM)	M	5	Education and Training
51.25	Veterinary Biomedical and Clinical Sciences (Cert, MS, PhD)	M	5	Education and Training
51.26	Health Aides/Attendants/Orderlies	M	8	Health Science
51.27	Medical Illustration and Informatics	M	11	Information Technology

IAC	IAC Title	NTO	Cluster Code	Cluster Title
51.31	Dietetics and Clinical Nutrition Services	M	8	Health Science
51.38	Registered Nursing, Nursing Administration, Nursing Research and Clinical Nursing.	M	8	Health Science
51.39	Practical Nursing, Vocational Nursing and Nursing Assistants.	M	8	Health Science
52.02	Business Administration, Management and Operations	F	4	Business, Management and Administration
52.03	Accounting and Related Services	M	4	Business, Management and Administration
52.04	Business Operations Support and Assistant Services	M	4	Business, Management and Administration
52.06	Business/Managerial Economics	F	5	Education and Training
52.07	Entrepreneurial and Small Business Operations	F	4	Business, Management and Administration
52.08	Finance and Financial Management Services	F	4	Business, Management and Administration
52.09	Hospitality Administration/Management	F	9	Hospitality and Tourism
52.10	Human Resources Management and Services	F	4	Business, Management and Administration
52.11	International Business	F	4	Business, Management and Administration
52.12	Management Information Systems and Services	F	11	Information Technology
52.13	Management Sciences and Quantitative Methods	F	4	Business, Management and Administration
52.14	Marketing	F	5	Education and Training
52.16	Taxation	F	4	Business, Management and Administration
52.17	Insurance	F	5	Education and Training
52.18	General Sales, Merchandising and Related Marketing Operations	F	14	Marketing Sales and Service
52.19	Specialized Sales, Merchandising, and Related Marketing Operations	F	14	Marketing Sales and Service
52.99	Business, Management, Marketing, and Related Support Services	F	4	Business, Management and Administration

## Detailed Standard Occupational Classification (SOC) Codes

This is a listing of all Standard Occupational Classification (SOC) codes. This is a code table developed by the US Department of (Labor) to classify occupations. Please note that this code describes occupations held by individuals and does not describe the industries in which people work hold.

<b>Code</b>	<b>Job Title or Occupation</b>
<b>14</b>	<b>Management-Related Occupations</b>
	Accountants, Auditors, and Other Financial Specialists
	Accountants and Auditors
	Underwriters
	Loan Officers
	Financial Officers, Other
	Management Analysts
	Personnel, Training, and Labor Relations Specialists
	Purchasing Agents and Buyers
	Buyers: Wholesale and Retail Trade, Except Farm Products
	Purchasing Agents and Buyers, Farm Products
	Purchasing Agents and Buyers, N.E.C.
	Business and Promotion Agents
	Inspectors and Compliance Officers
	Construction Inspectors
	Inspectors and Compliance Officers, Except Construction
<b>17</b>	<b>Computer, Mathematical, and Operations Research Occupations</b>
	Computer Scientists
	Computer Systems Analysts
	Operations and Research Analysts
	Operations Researchers and Analysts
	Systems Researchers and Analysts, Except Computer
	Mathematical Scientists
	Actuaries
	Statisticians
<b>29</b>	<b>Registered Nurses</b>
<b>32</b>	<b>Writers, Artists, Performers, and Related Workers</b>
	Authors
	Designers
	Musicians and Composers
	Actors and Directors
	Painters, Sculptors, Craft-Artists, and Artist-Printmakers
	Photographers
	Dancers
<b>36</b>	<b>Health Technologists and Technicians</b>
	Clinical Laboratory Technologists and Technicians
	Dental Hygienists
	Health Record Technologists and Technicians
	Radiologic Technologists and Technicians
	Licensed Practical Nurses
	Dental Assistants
	Health Aides, Except Nursing
	Nursing Aides, Orderlies, and Attendants

<b>Code</b>	<b>Job Title or Occupation</b>
<b>3700</b>	<b>Engineering and Related Technologists and Technicians</b> Engineering Technologists and Technicians Electrical and Electronic Engineering Technologists and Technicians Industrial Engineering Technologists Mechanical Engineering Technologists & Technicians Drafting Occupations Surveying and Mapping Technicians Surveying Technicians Cartographic Technicians
<b>38</b>	<b>Science Technologists and Technicians</b> Biological Technologists and Technicians, Except Health Chemical and Nuclear Technologists and Technicians Chemical Technologists and Technicians Nuclear Technologists and Technicians Petroleum Technologists and Technicians Mathematical Technicians
<b>39</b>	<b>Technicians: Except Health, Engineering, and Science</b> Air Traffic Controllers Radio Operators Legal Technicians Programmers Programmers, Business Programmers, Scientific Programmers: Numerical, Tool, and Process Control Technical Writers
<b>41</b>	<b>Sales Occupations, Commodities</b> Sales Engineers Technical Sales Workers and Service Advisors Technical Sales Workers, Aircraft Technical Sales Workers, Agricultural Equipment and Supplies Technical Sales Workers, Electronic Equipment Technical Sales Workers: Industrial Machinery, Equipment and Supplies Technical Sales Workers: Medical and Dental Equipment and Supplies Technical Sales Workers: Chemicals & Chemical Products Sales Representatives: Commercial and Industrial Equipment and Supplies Sales Representatives, Garments and Related Textile Products Sales Representatives: Motor Vehicles and Supplies Sales Representatives; Pulp, Paper, and Paper Products Sales Representatives; Farm Products and Livestock Salespersons; Motor Vehicles, Mobile Homes, and Supplies Salespersons; Musical Instruments and Supplies Salespersons; Boats and Marine Equipment and Supplies Salespersons: Sporting Goods Salespersons: Garments and Textile Products Salespersons: Books, Stamps, Coins, and Stationery Salespersons: Furniture and Home Furnishings Salespersons, Shoes Salespersons: Radio, Television, High Fidelity and Household Appliances Salespersons: Hardware Salespersons: Cosmetics, Toiletries, and Allied Products Salespersons: Jewelry and Related Products



<b>Code</b>	<b>Job Title or Occupation</b>
<b>4100</b>	Sales Clerks Counter Clerks Cashiers News Vendors Street Vendors, Door-To-Door Salesworkers, and Related Occupations Salesperson: Parts
<b>42</b>	<b>Insurance, Securities, Real Estate &amp; Business Service Sales Occupations</b> Insurance, Real Estate, and Securities Sales Occupations Insurance Sales Occupations Real Estate Sales Occupations Securities and Financial Service Sales Occupations Business Service Sales Occupations Business Service Sales Occupations (Except Advertising) Advertising and Related Sales Occupations
<b>45</b>	<b>Supervisors; Administrative Support Occupations, Including Clerical</b> Supervisors: General Office Occupations Supervisors: Computer and Peripheral Equipment Operators Supervisors: Secretaries, Stenographers, and Typists Supervisors: Information Clerks Supervisors, Correspondence Clerks and Order Clerks Supervisors; Records Clerks Supervisors: Financial Record Processing Occupations Supervisors: Duplicating, Mail, and Other Office Machine Operators Chief Communications Operators Supervisors: Mail and Message Distribution Clerks Supervisors: Material Recording, Scheduling, and Distributing Clerks Supervisors: Adjusters, Investigators, and Collectors
<b>46</b>	<b>Clerical Occupations, Except Equipment Operators</b> Secretaries Stenographers Typists General Office Occupations Information Clerks Interviewing Clerks Hotel Clerks Reservation Agents and Transportation Ticket Clerks Receptionists Correspondence Clerks and Order Clerks Classified Ad Clerks Correspondence Clerks Order Clerks Record Clerks Personnel Clerks, Except Payroll and Timekeeping Library Clerks File Clerks Financial Record Processing Occupations Bookkeepers and Accounting and Auditing Clerks Payroll and Timekeeping Clerks Billing Clerks Cost and Rate Clerks Mail and Message Distributing Occupations Postal Clerks, Except Mail Carriers

<b>Code</b>	<b>Job Title or Occupation</b>
<b>46</b>	Mail Carriers, Post Office
	Mail Clerks, Except Post Office
	Messengers
	Material Recording, Scheduling, and Distributing Clerks
	Dispatchers
	Production and Planning Clerks
	Traffic, Shipping, and Receiving Clerks
	Stock and Inventory Clerks
	Meter Readers
	Weighers, Measurers, and Checkers
	Samplers
	Expeditors
	Adjusters, Investigators, and Collectors
	Insurance Adjusters, Examiners, and Investigators
	Investigators and Adjusters, Except Insurance
	Clerks, Social Welfare
	Bill and Account Collectors
	License Clerks
	Bank Tellers
	Proofreaders
Statistical Clerks	
Teacher Aides	
<b>48</b>	<b>Computer and Peripheral Equipment Operators</b>
	Computer Operators
	Peripheral Equipment Operators
	Data Entry Keyers
	Office Machine Operators, N.E.C.
	Communications Equipment Operators
	Telephone Operators
	Telegraphers
	Billing, Posting, and Calculating Machine Operators
	Duplicating, Mail, and Other Office Machine Operators
	Duplicating Machine Operators
	Mail Preparing and Handling Machine Operators
	<b>51</b>
Supervisors:Service Occupations, Protective	
Supervisors:Firefighting and Fire Prevention Occupations	
Supervisors: Police and Detectives	
Supervisors: Guards	
Firefighting and Fire Prevention Occupations	
Fire Inspection and Fire Prevention Occupations	
Police and Detectives	
Correctional Institution Officers	
Sheriffs, Bailiffs, and Other Law Enforcement Officers	
Guards	
Crossing Guards	
<b>52</b>	<b>Service Occupations, Except Private Household and Protective</b>
	Food and Beverage Preparation and Service Occupations
	Supervisors: Food and Beverage Preparation and Service Occupations
	Bartenders
	Waiters and Waitresses
Cooks	

<b>Code</b>	<b>Job Title or Occupation</b>
<b>52</b>	Food Counter, Fountain, and Related Occupations Kitchen Workers, Food Preparation Waiters Cleaning and Building Service Occupations, Except Private Household Supervisors: Cleaning and Building Service Workers Maids and Housemen Janitors and Cleaners Elevator Operators Pest Control Occupations Personal Service Occupations Supervisors; Personal Service Occupations Barbers Hairdressers and Cosmetologists Attendants: Amusement and Recreational Facilities Guides Ushers Public Transportation Attendants Wardrobe and Dressing Room Attendants Baggage Porters and Bellhops Welfare Service Aides Child Care Workers, Except Private Household
<b>53</b>	<b>Private Household Occupations, (see 52)</b>
<b>55</b>	<b>Farm Operators and Managers</b> Farmers: Working Proprietors General Farmers Crop, Vegetable, Fruit, and Tree Nut Farmers Livestock, Dairy, Poultry, and Fish Farmers Horticultural Specialty Farmers Farm Managers Managers: General Farm Managers: Crop, Vegetable, Fruit, and Tree Nut Farms Managers: Livestock, Dairy, Poultry, Andfish Farms Managers: Horticultural Specialty Farm Other Agricultural and Related Occupations Farm Occupations, Except Managerial Supervisors: Farm Workers General Farm Workers Field Crop and Vegetable Farm Workers (Hand) Orchard and Vineyard and Related Workers (Hand) Irrigation Workers Farm Machinery Operators Livestock Workers Marine Life Cultivation Workers Nursery Workers Related Agricultural Occupations Supervisors; Related Agricultural Workers Groundskeepers and Gardeners, Except Farm Animal Caretakers, Except Farm Graders and Sorters: Agricultural Products Inspectors: Agricultural Products
<b>57</b>	<b>Forestry and Logging Occupations</b> Supervisors: Forestry and Logging Workers

<b>Code</b>	<b>Job Title or Occupation</b>
57	Forestry Workers, Except Logging Timber Cutting and Related Occupations
58	<b>Fishers, Hunters, and Trappers</b> Fishers Hunters and Trappers
61	<b>Construction Trades</b> Brickmasons, Stonemasons, and Hard Tile Setters Carpenters Drywall Installers Electricians and Power Transmission Installers Electricians Electrical Power Installers and Repairers Painters, Paperhangers, and Plasterers Painters (Construction and Maintenance) Paperhangers Plasterers Plumbers, Pipefitters, and Steam Fitters Carpet and Soft Tile Installers Concrete and Terrazzo Finishers Glaziers Insulation Workers Paving, Surfacing and Tamping Equipment Operators Rail and Track Laying Equipment Operators Roofers Sheetmetal Duct Installers Structural Metal Workers Drillers, Earth Airhammer Operators Pile Driving Operators
64	<b>Transportation and Material Moving Occupations</b> Supervisors:Transportation and Material Moving Occupations Supervisors:Motorized Equipment Operators Supervisors:Motor Vehicle Operators Railroad Conductors and Yardmasters Supervisors:Material Moving Equipment Operators Transportation Occupations Motor Vehicle Operators Truck Drivers, Tractor-Trailer Truck Drivers, Heavy Truck Drivers, Light (Including Delivery and Route Drivers) Bus Drivers Taxicab Drivers and Chauffeurs Driver-Sales Workers Rail Transportation Occupations Locomotive Operating Occupations Railroad Brake, Signal, and Switch Operators Water Transportation Occupations Ship Captains and Mates Boat and Barge Operators Sailors and Deck Hands Marine Engineers Bridge, Lock, and Lighthouse Tenders

<b>Code</b>	<b>Job Title or Occupation</b>
<b>64</b>	<b>Transportation and Material Moving Occupations</b> Airplane Pilots and Navigators Transportation Inspectors Material Moving Occupations, Except Transportation Material Moving Equipment Operators Operating Engineers Longshore Equipment Operators Hoist and Winch Operators Crane and Tower Operators Excavating and Loading Machine Operators Grader, Dozer, Scraper Operators Industrial Truck and Tractor Equipment Operators Material Moving Equipment Operators, Miscellaneous Freight, Stock, and Material Movers, Hand Garbage Collectors Stevedores Stock Handlers and Baggers Machine Feeders and Offbearers Garage and Service Station Related Occupations Parking Lot Attendants Vehicle Washers and Equipment Cleaners
<b>67</b>	<b>Mechanics and Repairers</b> Supervisors:Mechanics and Repairers Vehicle and Mobile Equipment Mechanics and Repairers Automobile Mechanics Bus and Truck Engine, and Stationary Diesel Engine Mechanics Aircraft Engine Mechanics Small Engine Repairers Automobile Body and Related Repairers Aircraft Mechanics (Except Engine Specialists) Heavy Equipment Mechanics Farm Equipment Mechanics Industrial Machinery Repairers Machinery Maintenance Occupations Electrical and Electronic Equipment Repairers Communications Equipment Repairers Electric Motor, Transformer, and Related Repairers Electronic Repairers, Commercial and Industrial Equipment Data Processing Equipment Repairers Electronic Repairers, Home-Entertainment Equipment Household Appliance and Power Tool Repairers Telephone Line Installers and Repairers Telephone Installers and Repairers Miscellaneous Electrical and Electronic Equipment Repairers Heating, Air-Conditioning, and Refrigeration Mechanics Miscellaneous Mechanics and Repairers Camera, Watch, and Other Precision Instrument Repairers Musical Instrument Repairers and Tuners Locksmiths and Safe Repairers Office Machine Repairers Mechanical Controls and Valve Repairers Elevator Installers and Repairers Riggers Millwrights

<b>Code</b>	<b>Job Title or Occupation</b>
<b>72</b>	<b>Precision Production Occupations</b>
	Precision Metal Workers
	Tool and Die Makers
	Precision Assemblers (Metal)
	Machinists
	Boilermakers
	Precision Grinders, Filers, and Tool Sharpeners
	Pattern Makers and Model Makers (Metal)
	Lay-Out Workers (Metal)
	Precision Hand Molders and Shapers (Jewelers)
	Engravers
	Sheet Metal Workers
	Precision Metal Workers, Miscellaneous
	Precision Woodworkers
	Pattern Makers and Model Makers, Wood
	Cabinet Makers and Bench Carpenters
	Furniture Finishers
	Precision Printing Occupations
	Precision Typesetters
	Precision Lithographers and Photoengravers
	Bookbinders
	Precision Printing Occupations, Miscellaneous
	Precision Textile, Apparel, and Furnishings Workers
	Tailors and Dressmakers, Hand
	Upholsterers
	Shoemakers and Leather Workers and Repairers
	Precision Laundering, Cleaning, and Dyeing Occupations
	Apparel and Fabric Patternmakers
	Precision Apparel and Fabric Workers, Miscellaneous
	Precision Workers: Assorted Materials
	Precision Hand Molders and Shapers (Except Jewelers)
	Precision Patternmakers, Lay-Out Workers, and Cutters
	Detail Design Painters and Decorators
	Optical Goods Workers
	Dental Laboratory Technicians
	Gem and Diamond Working Occupations
	Precision Electrical and Electronic Equipment Assemblers
	Photographic Process Workers
	Precision Food Production Occupations
	Butchers and Meat Cutters
	Bakers
	Batchmakers (Candymakers, Cheesemakers, Etc.)
	Precision Food Workers, Miscellaneous
	Precision Inspectors, Testers, and Related Workers
	Precision Inspectors, Testers, and Graders
	Precision Adjusters and Calibrators
	Plant and System Operators
	Water and Sewage Treatment Plant Operators
	Gas Plant Operators
	Power Plant Operators
	Stationary Engineers
	Power Plant Systems Operators, Except Stationary Engineers
	Chemical Plant Operators
	Petroleum Plant Operators
	Plant or System Operators, Miscellaneous

<b>Code</b>	<b>Job Title or Occupation</b>
72	Production Working Occupations
	Supervisors: Production Occupations
	Machine Setup Operators
	Metalworking and Plastic Working Machine Setup Operators
	Lathe and Turning Machine Setup Operators
	Milling and Planing Machine Setup Operators
	Punching and Shearing Machine Setup Operators
	Extruding and Drawing Machine Setup Operators
	Rolling Machine Setup Operators
	Press and Brake Machine Setup Operators
	Drilling and Boring Machine Setup Operators
	Forging Machine Setup Operators
	Grinding, Abrading, Buffing, and Polishing Machine Setup Operators
	Lapping and Honing Machine Setup Operators
	Numerical Control Machine Setup Operators
	Metalworking and Plasticworking Machine Setup Operators, Miscellaneous
	Metal Fabricating Machine Setup Operators
	Welding Machine Setup Operators
	Soldering and Brazing Machine Setup Operators
	Fabricating Machine Setup Operators, Miscellaneous
	Metal and Plastic Processing Machine Setup Operators
	Molding and Casting Machine Setup Operators
	Plating and Coating Machine Setup Operators
	Heating Equipment Setup Operators
	Miscellaneous Metal and Plastic Processing Machine Setup Operators
	Woodworking Machine Setup Operators
	Lathe and Turning Machine Setup Operators
	Router and Planer Machine Setup Operators
	Sawing Machine Setup Operator
	Sanding Machine Setup Operators
	Shaping and Joining Machine Setup Operators
	Miscellaneous Woodworking Machine Operators
	Printing Machine Setup Operators
	Printing Press Set Up Operators
	Photoengraving and Lithographing Machine Setup Operators
	Printing Machine Setup Operators, Miscellaneous
	Textile Machine Setup Operators
	Winding and Twisting Machine Setup Operators
	Knitting and Weaving Machine Setup Operators
	Assorted Materials:Machine Setup Operators
	Packaging and Filling Machine Setup Operators
	Extruding and Forming Machine Setup Operators
	Compressing and Compacting Machine Setup Operators
	Roasting and Baking Machine Setup Operators
	Folding Machine Setup Operator
	Still, Clarifying, and Precipitating Machine Setup Operators
	Crushing and Grinding Machine Setup Operators
	Slicing and Cutting Machine Setup Operators
	Machine Setup Operators, Miscellaneous
	Machine Operators and Tenders
	Metal Working and Plastic Working Machine Operators and Tenders
	Lathe and Turning Machine and Tenders
	Milling and Planing Machine Operators and Tenders
	Punching and Shearing Machine Operators and Tenders
	Extruding and Drawing Machine Operators and Tenders

<b>Code</b>	<b>Job Title or Occupation</b>
72	Rolling Machine Operators and Tenders
	Press and Brake Machine Operators and Tenders
	Drilling and Boring Machine Operators and Tenders
	Forging Machine Operators
	Grinding, Abrading, Buffing, and Polishing Machine Operators and Tenders
	Metalworking and Plastic Working Machine Operators and Tenders, Misc.
	Metal Fabricating Machine Operators and Tenders
	Welding Machine Operators and Tenders
	Soldering and Brazing Machine Operators and Tenders
	Fabricating Machine Operators and Tenders, Miscellaneous
	Metal and Plastic Processing Machine Operators and Tenders
	Molding and Casting Machine Operators and Tenders
	Plating and Coating Machine Operators and Tenders
	Heating Equipment Operators and Tenders
	Metal and Plastic Processing Machine Operators and Tenders, Misc.
	Woodworking Machine Operators and Tenders
	Lathe and Turning Machine Operators and Tenders
	Router and Planer Machine Operators and Tenders
	Sawing Machine Operators and Tenders
	Sanding Machine Operators and Tenders
	Shaping and Joining Machine Operators and Tenders
	Nailing and Tacking Machine Operators and Tenders
	Woodworking Machine Operators and Tenders, Miscellaneous
	Printing Machine Operators and Tenders
	Typesetting and Composing Machine Operators and Tenders
	Printing Machine Operators and Tenders
	Photoengraving and Lithographing Machine Operators and Tenders
	Printing Machine Operators and Tenders, N.E.C.
	Textile, Apparel, and Furnishings Machine Operators and Tenders
	Winding and Twisting Machine Operators and Tenders
	Knitting and Weaving Machine Operators and Tenders
	Textile Fabricating Machine Operators and Tenders
	Textile Cutting Machine Operators and Tenders
	Textile Sewing Machine Operators and Tenders
	Shoe Machine Operators and Tenders
	Pressing Machine Operators
	Laundering and Dry Cleaning Machine Operators and Tenders
	Machine Operators and Tenders: Assorted Materials
	Cementing and Gluing Machine Operators and Tenders
	Packaging and Filling Machine Operators and Tenders
	Extruding and Forming Machine Operators and Tenders
	Mixing and Blending Machine Operators and Tenders
	Cooling and Freezing Equipment Operators and Tenders
	Separating and Filtering Machine Operators and Tenders
	Compressing and Compacting Machine Operators and Tenders
	Boiler Operators and Tenders (Low Pressure)
	Coating, Painting, and Spraying Machine Operators and Tenders
	Photographic Developing Machine Operator
	Roasting and Baking Machine Operators and Tenders
	Washing, Cleaning, and Pickling Equipment Operators and Tenders
	Folding Machine Operators and Tenders
	Furnace, Kiln, and Oven Operators and Tenders
	Still, Clarifier, and Precipitator Operators and Tenders
	Crushing and Grinding Machine Operators and Tenders
	Slicing and Cutting Machine Operators and Tenders



<b>Code</b>	<b>Job Title or Occupation</b>
77	Fabricators, Assemblers, and Hand Working Occupations
	Welders and Solderers
	Welders and Cutters
	Solderers and Brazers
	Assemblers
	Hand Sewing Occupations
	Hand Cutting and Trimming Occupations
	Hand Holding and Casting Occupations
	Hand Forming and Shaping Occupations
	Hand Painting, Coating, and Decorating Occupations
	Hand Engraving and Printing Occupations
	Hand Grinding and Polishing Occupations
	Hand Working Occupations, Miscellaneous
	Production Inspectors, Testers, Samplers, and Weighers
	Production Inspectors, Checkers, and Examiners
	Production Testers
	Production Samplers and Weighers
	Graders and Sorters, Except Agricultural
	Production Expeditors