

U.S. DEPARTMENT OF COMMERCE
Bureau of the Census
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1990 CENSUS OF POPULATION
OCCUPATIONAL CLASSIFICATION SYSTEM

(The numbers in parentheses refer to the 1980 Standard Occupational Classification codes. "Pt" means part. "N.e.c." means not elsewhere classified.)

MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS

1990
CENSUS
CODE

Executive, Administrative, and Managerial Occupations

003 Legislators (111)
004 Chief executives and general administrators,
public administration (112)
005 Administrators and officials, public administration (1132-1139)
006 Administrators, protective services (1131)
007 Financial managers (122)
008 Personnel and labor relations managers (123)
009 Purchasing managers (124)
013 Managers, marketing, advertising, and public relations (125)
014 Administrators, education and related fields (128)
015 Managers, medicine and health (131)
016 Postmasters and mail superintendents (1344)
017 Managers, food serving and lodging establishments (1351)
018 Managers, properties and real estate (1353)
019 Funeral directors (pt 1359)
021 Managers, service organizations, n.e.c. (127, 1352, 1354, pt 1359)
022 Managers and administrators, n.e.c. (121, 126, 132-1343, 136-139)

Management Related Occupations

023 Accountants and auditors (1412)
024 Underwriters (1414)
025 Other financial officers (1415, 1419)
026 Management analysts (142)
027 Personnel, training, and labor relations specialists (143)
028 Purchasing agents and buyers, farm products (1443)
029 Buyers, wholesale and retail trade except farm products (1442)
033 Purchasing agents and buyers, n.e.c. (1449)
034 Business and promotion agents (145)
035 Construction inspectors (1472)
036 Inspectors and compliance officers, except construction (1473)
037 Management related occupations, n.e.c. (149)

Professional Specialty Occupations

Engineers, Architects, and Surveyors

- 043 Architects (161)
- Engineers
- 044 Aerospace (1622)
- 045 Metallurgical and materials (1623)
- 046 Mining (1624)
- 047 Petroleum (1625)
- 048 Chemical (1626)
- 049 Nuclear (1627)
- 053 Civil (1628)
- 054 Agricultural (1632)
- 055 Electrical and electronic (1633, 1636)
- 056 Industrial (1634)
- 057 Mechanical (1635)
- 058 Marine and naval architects (1637)
- 059 Engineers, n.e.c. (1639)
- 063 Surveyors and mapping scientists (164)

Mathematical and Computer Scientists

- 064 Computer systems analysts and scientists (171)
- 065 Operations and systems researchers and analysts (172)
- 066 Actuaries (1732)
- 067 Statisticians (1733)
- 068 Mathematical scientists, n.e.c. (1739)

Natural Scientists

- 069 Physicists and astronomers (1842, 1843)
- 073 Chemists, except biochemists (1845)
- 074 Atmospheric and space scientists (1846)
- 075 Geologists and geodesists (1847)
- 076 Physical scientists, n.e.c. (1849)
- 077 Agricultural and food scientists (1853)
- 078 Biological and life scientists (1854)
- 079 Forestry and conservation scientists (1852)
- 083 Medical scientists (1855)

Health Diagnosing Occupations

- 084 Physicians (261)
- 085 Dentists (262)
- 086 Veterinarians (27)
- 087 Optometrists (281)
- 088 Podiatrists (283)
- 089 Health diagnosing practitioners, n.e.c. (289)

Health Assessment and Treating Occupations

- 095 Registered nurses (29)
- 096 Pharmacists (301)
- 097 Dietitians (302)
- Therapists
- 098 Respiratory therapists (3031)
- 099 Occupational therapists (3032)
- 103 Physical therapists (3033)
- 104 Speech therapists (3034)
- 105 Therapists, n.e.c. (3039)
- 106 Physicians' assistants (304)

Teachers, Postsecondary

- 113 Earth, environmental, and marine science teachers (2212)
- 114 Biological science teachers (2213)
- 115 Chemistry teachers (2214)
- 116 Physics teachers (2215)
- 117 Natural science teachers, n.e.c. (2216)
- 118 Psychology teachers (2217)
- 119 Economics teachers (2218)
- 123 History teachers (2222)
- 124 Political science teachers (2223)
- 125 Sociology teachers (2224)
- 126 Social science teachers, n.e.c. (2225)
- 127 Engineering teachers (2226)
- 128 Mathematical science teachers (2227)
- 129 Computer science teachers (2228)
- 133 Medical science teachers (2231)
- 134 Health specialties teachers (2232)
- 135 Business, commerce, and marketing teachers (2233)
- 136 Agriculture and forestry teachers (2234)
- 137 Art, drama, and music teachers (2235)
- 138 Physical education teachers (2236)
- 139 Education teachers (2237)
- 143 English teachers (2238)
- 144 Foreign language teachers (2242)
- 145 Law teachers (2243)
- 146 Social work teachers (2244)
- 147 Theology teachers (2245)
- 148 Trade and industrial teachers (2246)
- 149 Home economics teachers (2247)
- 153 Teachers, postsecondary, n.e.c. (2249)
- 154 Postsecondary teachers, subject not specified

Teachers, Except Postsecondary

- 155 Teachers, prekindergarten and kindergarten (231)
- 156 Teachers, elementary school (232)
- 157 Teachers, secondary school (233)
- 158 Teachers, special education (235)
- 159 Teachers, n.e.c. (236, 239)

163 Counselors, educational and vocational (24)

Librarians, Archivists, and Curators

- 164 Librarians (251)
- 165 Archivists and curators (252)

Social Scientists and Urban Planners

- 166 Economists (1912)
- 167 Psychologists (1915)
- 168 Sociologists (1916)
- 169 Social scientists, n.e.c. (1913, 1914, 1919)
- 173 Urban planners (192)

Social, Recreation, and Religious Workers

- 174 Social workers (2032)
- 175 Recreation workers (2033)
- 176 Clergy (2042)
- 177 Religious workers, n.e.c. (2049)

Lawyers and Judges

- 178 Lawyers (211)
- 179 Judges (212)

Writers, Artists, Entertainers, and Athletes

- 183 Authors (321)
- 184 Technical writers (398)
- 185 Designers (322)
- 186 Musicians and composers (323)
- 187 Actors and directors (324)
- 188 Painters, sculptors, craft-artists, and artist printmakers (325)
- 189 Photographers (326)
- 193 Dancers (327)
- 194 Artists, performers, and related workers, n.e.c. (328, 329)
- 195 Editors and reporters (331)
- 197 Public relations specialists (332)
- 198 Announcers (333)
- 199 Athletes (34)

TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS

Technicians and Related Support Occupations

Health Technologists and Technicians

- 203 Clinical laboratory technologists and technicians (362)
- 204 Dental hygienists (363)
- 205 Health record technologists and technicians (364)
- 206 Radiologic technicians (365)
- 207 Licensed practical nurses (366)
- 208 Health technologists and technicians, n.e.c. (369)

Technologists and Technicians, Except Health

Engineering and Related Technologists and Technicians

- 213 Electrical and electronic technicians (3711)
- 214 Industrial engineering technicians (3712)
- 215 Mechanical engineering technicians (3713)
- 216 Engineering technicians, n.e.c. (3719)
- 217 Drafting occupations (372)
- 218 Surveying and mapping technicians (373)

Science Technicians

- 223 Biological technicians (382)
- 224 Chemical technicians (3831)
- 225 Science technicians, n.e.c. (3832, 3833, 384, 389)

Technicians; Except Health, Engineering, and Science

- 226 Airplane pilots and navigators (825)
- 227 Air traffic controllers (392)
- 228 Broadcast equipment operators (393)
- 229 Computer programmers (3971, 3972)
- 233 Tool programmers, numerical control (3974)
- 234 Legal assistants (396)
- 235 Technicians, n.e.c. (399)

Sales Occupations

- 243 Supervisors and proprietors, sales occupations (40)
- Sales Representatives, Finance and Business Services
- 253 Insurance sales occupations (4122)
- 254 Real estate sales occupations (4123)
- 255 Securities and financial services sales occupations (4124)
- 256 Advertising and related sales occupations (4153)
- 257 Sales occupations, other business services (4152)

Sales Representatives, Commodities Except Retail

- 258 Sales engineers (421)
- 259 Sales representatives, mining, manufacturing, and wholesale (423, 424)

Sales Workers, Retail and Personal Services

- 263 Sales workers, motor vehicles and boats (4342, 4344)
- 264 Sales workers, apparel (4346)
- 265 Sales workers, shoes (4351)
- 266 Sales workers, furniture and home furnishings (4348)
- 267 Sales workers; radio, TV, hi-fi, and appliances (4343, 4352)
- 268 Sales workers, hardware and building supplies (4353)
- 269 Sales workers, parts (4367)
- 274 Sales workers, other commodities (4345, 4347, 4354, 4356, 4359, 4362, 4369)
- 275 Sales counter clerks (4363)
- 276 Cashiers (4364)
- 277 Street and door-to-door sales workers (4366)
- 278 News vendors (4365)

Sales Related Occupations

- 283 Demonstrators, promoters and models, sales (445)
- 284 Auctioneers (447)
- 285 Sales support occupations, n.e.c. (444, 446, 449)

Administrative Support Occupations, Including Clerical

Supervisors, Administrative Support Occupations

- 303 Supervisors, general office (4511, 4513, 4514, 4516, 4519, 4529)
- 304 Supervisors, computer equipment operators (4512)
- 305 Supervisors, financial records processing (4521)
- 306 Chief communications operators (4523)
- 307 Supervisors; distribution, scheduling, and adjusting clerks (4522, 4524-4528)

Computer Equipment Operators
308 Computer operators (4612)
309 Peripheral equipment operators (4613)

Secretaries, Stenographers, and Typists
313 Secretaries (4622)
314 Stenographers (4623)
315 Typists (4624)

Information Clerks
316 Interviewers (4642)
317 Hotel clerks (4643)
318 Transportation ticket and reservation agents (4644)
319 Receptionists (4645)
323 Information clerks, n.e.c. (4649)

Records Processing Occupations, Except Financial
325 Classified-ad clerks (4662)
326 Correspondence clerks (4663)
327 Order clerks (4664)
328 Personnel clerks, except payroll and timekeeping (4692)
329 Library clerks (4694)
335 File clerks (4696)
336 Records clerks (4699)

Financial Records Processing Occupations
337 Bookkeepers, accounting, and auditing clerks (4712)
338 Payroll and timekeeping clerks (4713)
339 Billing clerks (4715)
343 Cost and rate clerks (4716)
344 Billing, posting, and calculating machine operators (4718)

Duplicating, Mail and Other Office Machine Operators
345 Duplicating machine operators (4722)
346 Mail preparing and paper handling machine operators (4723)
347 Office machine operators, n.e.c. (4729)

Communications Equipment Operators
348 Telephone operators (4732)
353 Communications equipment operators, n.e.c. (4733, 4739)

Mail and Message Distributing Occupations
354 Postal clerks, exc. mail carriers (4742)
355 Mail carriers, postal service (4743)
356 Mail clerks, exc. postal service (4744)
357 Messengers (4745)

Material Recording, Scheduling, and Distributing Clerks
359 Dispatchers (4751)
363 Production coordinators (4752)
364 Traffic, shipping, and receiving clerks (4753)
365 Stock and inventory clerks (4754)
366 Meter readers (4755)
368 Weighers, measurers, checkers and samplers (4756, 4757)
373 Expeditors (4758)
374 Material recording, scheduling, and distributing clerks, n.e.c.
(4759)

Adjusters and Investigators

375 Insurance adjusters, examiners, and investigators (4782)
376 Investigators and adjusters, except insurance (4783)
377 Eligibility clerks, social welfare (4784)
378 Bill and account collectors (4786)

Miscellaneous Administrative Support Occupations

379 General office clerks (463)
383 Bank tellers (4791)
384 Proofreaders (4792)
385 Data-entry keyers (4793)
386 Statistical clerks (4794)
387 Teachers' aides (4795)
389 Administrative support occupations, n.e.c. (4787, 4799)

SERVICE OCCUPATIONS

Private Household Occupations

403 Launderers and ironers (503)
404 Cooks, private household (504)
405 Housekeepers and butlers (505)
406 Child care workers, private household (506)
407 Private household cleaners and servants (502, 507, 509)

Protective Service Occupations

Supervisors, Protective Service Occupations

413 Supervisors, firefighting and fire prevention occupations (5111)
414 Supervisors, police and detectives (5112)
415 Supervisors, guards (5113)

Firefighting and Fire Prevention Occupations

416 Fire inspection and fire prevention occupations (5122)
417 Firefighting occupations (5123)

Police and Detectives

418 Police and detectives, public service (5132)
423 Sheriffs, bailiffs, and other law enforcement officers (5134)
424 Correctional institution officers (5133)

Guards

425 Crossing guards (5142)
426 Guards and police, exc. public service (5144)
427 Protective service occupations, n.e.c. (5149)

Service Occupations, Except Protective and Household

Food Preparation and Service Occupations

433 Supervisors, food preparation and service occupations (5211)
434 Bartenders (5212)
435 Waiters and waitresses (5213)
436 Cooks (5214, 5215)
438 Food counter, fountain and related occupations (5216)
439 Kitchen workers, food preparation (5217)
443 Waiters'/waitresses' assistants (5218)
444 Miscellaneous food preparation occupations (5219)

Health Service Occupations

- 445 Dental assistants (5232)
- 446 Health aides, except nursing (5233)
- 447 Nursing aides, orderlies, and attendants (5236)

Cleaning and Building Service Occupations, except Household

- 448 Supervisors, cleaning and building service workers (5241)
- 449 Maids and housemen (5242, 5249)
- 453 Janitors and cleaners (5244)
- 454 Elevator operators (5245)
- 455 Pest control occupations (5246)

Personal Service Occupations

- 456 Supervisors, personal service occupations (5251)
- 457 Barbers (5252)
- 458 Hairdressers and cosmetologists (5253)
- 459 Attendants, amusement and recreation facilities (5254)
- 461 Guides (5255)
- 462 Ushers (5256)
- 463 Public transportation attendants (5257)
- 464 Baggage porters and bellhops (5262)
- 465 Welfare service aides (5263)
- 466 Family child care providers (pt 5264)
- 467 Early childhood teacher's assistants (pt 5264)
- 468 Child care workers, n.e.c. (pt 5264)
- 469 Personal service occupations, n.e.c. (5258, 5269)

FARMING, FORESTRY, AND FISHING OCCUPATIONS

Farm Operators and Managers

- 473 Farmers, except horticultural (5512-5514)
- 474 Horticultural specialty farmers (5515)
- 475 Managers, farms, except horticultural (5522-5524)
- 476 Managers, horticultural specialty farms (5525)

Other Agricultural and Related Occupations

Farm Occupations, Except Managerial

- 477 Supervisors, farm workers (5611)
- 479 Farm workers (5612-5617)
- 483 Marine life cultivation workers (5618)
- 484 Nursery workers (5619)

Related Agricultural Occupations

- 485 Supervisors, related agricultural occupations (5621)
- 486 Groundskeepers and gardeners, except farm (5622)
- 487 Animal caretakers, except farm (5624)
- 488 Graders and sorters, agricultural products (5625)
- 489 Inspectors, agricultural products (5627)

Forestry and Logging Occupations

- 494 Supervisors, forestry, and logging workers (571)
- 495 Forestry workers, except logging (572)
- 496 Timber cutting and logging occupations (573, 579)

Fishers, Hunters, and Trappers

- 497 Captains and other officers, fishing vessels (pt 8241)
- 498 Fishers (583)
- 499 Hunters and trappers (584)

PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS

Mechanics and Repairers

- 503 Supervisors, mechanics and repairers (60)
- Mechanics and Repairers, Except Supervisors
- Vehicle and Mobile Equipment Mechanics and Repairers
- 505 Automobile mechanics (pt 6111)
- 506 Automobile mechanic apprentices (pt 6111)
- 507 Bus, truck, and stationary engine mechanics (6112)
- 508 Aircraft engine mechanics (6113)
- 509 Small engine repairers (6114)
- 514 Automobile body and related repairers (6115)
- 515 Aircraft mechanics, exc. engine (6116)
- 516 Heavy equipment mechanics (6117)
- 517 Farm equipment mechanics (6118)
- 518 Industrial machinery repairers (613)
- 519 Machinery maintenance occupations (614)

Electrical and Electronic Equipment Repairers

- 523 Electronic repairers, communications and industrial equipment (6151, 6153, 6155)
- 525 Data processing equipment repairers (6154)
- 526 Household appliance and power tool repairers (6156)
- 527 Telephone line installers and repairers (6157)
- 529 Telephone installers and repairers (6158)
- 533 Miscellaneous electrical and electronic equipment repairers (6152, 6159)
- 534 Heating, air conditioning, and refrigeration mechanics (616)
- Miscellaneous Mechanics and Repairers
- 535 Camera, watch, and musical instrument repairers (6171, 6172)
- 536 Locksmiths and safe repairers (6173)
- 538 Office machine repairers (6174)
- 539 Mechanical controls and valve repairers (6175)
- 543 Elevator installers and repairers (6176)
- 544 Millwrights (6178)
- 547 Specified mechanics and repairers, n.e.c. (6177, 6179)
- 549 Not specified mechanics and repairers

Construction Trades

Supervisors, Construction Occupations

- 553 Supervisors; brickmasons, stonemasons, and tile setters (6312)
- 554 Supervisors, carpenters and related workers (6313)
- 555 Supervisors, electricians and power transmission installers (6314)
- 556 Supervisors; painters, paperhangers, and plasterers (6315)
- 557 Supervisors; plumbers, pipefitters, and steamfitters (6316)
- 558 Supervisors, n.e.c. (6311, 6318)

Construction Trades, Except Supervisors

- 563 Brickmasons and stonemasons (pt 6412, pt 6413)
- 564 Brickmason and stonemason apprentices (pt 6412, pt 6413)
- 565 Tile setters, hard and soft (pt 6414, pt 6462)
- 566 Carpet installers (pt 6462)
- 567 Carpenters (pt 6422)
- 569 Carpenter apprentices (pt 6422)
- 573 Drywall installers (6424)

Construction Trades, Except Supervisors (Continued)

575	Electricians (pt 6432)
576	Electrician apprentices (pt 6432)
577	Electrical power installers and repairers (6433)
579	Painters, construction and maintenance (6442)
583	Paperhangers (6443)
584	Plasterers (6444)
585	Plumbers, pipefitters, and steamfitters (pt 645)
587	Plumber, pipefitter, and steamfitter apprentices (pt 645)
588	Concrete and terrazzo finishers (6463)
589	Glaziers (6464)
593	Insulation workers (6465)
594	Paving, surfacing, and tamping equipment operators (6466)
595	Roofers (6468)
596	Sheetmetal duct installers (6472)
597	Structural metal workers (6473)
598	Drillers, earth (6474)
599	Construction trades, n.e.c. (6467, 6475, 6476, 6479)

Extractive Occupations

613	Supervisors, extractive occupations (632)
614	Drillers, oil well (652)
615	Explosives workers (653)
616	Mining machine operators (654)
617	Mining occupations, n.e.c. (656)

Precision Production Occupations

628	Supervisors, production occupations (67, 71)
	Precision Metal Working Occupations
634	Tool and die makers (pt 6811)
635	Tool and die maker apprentices (pt 6811)
636	Precision assemblers, metal (6812)
637	Machinists (pt 6813)
639	Machinist apprentices (pt 6813)
643	Boilermakers (6814)
644	Precision grinders, filers, and tool sharpeners (6816)
645	Patternmakers and model makers, metal (6817)
646	Lay-out workers (6821)
647	Precious stones and metals workers (Jewelers) (6822, 6866)
649	Engravers, metal (6823)
653	Sheet metal workers (pt 6824)
654	Sheet metal worker apprentices (pt 6824)
655	Miscellaneous precision metal workers (6829)
	Precision Woodworking Occupations
656	Patternmakers and model makers, wood (6831)
657	Cabinet makers and bench carpenters (6832)
658	Furniture and wood finishers (6835)
659	Miscellaneous precision woodworkers (6839)
	Precision Textile, Apparel, and Furnishings Machine Workers
666	Dressmakers (pt 6852, pt 7752)
667	Tailors (pt 6852)
668	Upholsterers (6853)
669	Shoe repairers (6854)
674	Miscellaneous precision apparel and fabric workers (6856, 6859, pt 7752)

Precision Workers, Assorted Materials

- 675 Hand molders and shapers, except jewelers (6861)
- 676 Patternmakers, lay-out workers, and cutters (6862)
- 677 Optical goods workers (6864, pt 7477, pt 7677)
- 678 Dental laboratory and medical appliance technicians (6865)
- 679 Bookbinders (6844)
- 683 Electrical and electronic equipment assemblers (6867)
- 684 Miscellaneous precision workers, n.e.c. (6869)

Precision Food Production Occupations

- 686 Butchers and meat cutters (6871)
- 687 Bakers (6872)
- 688 Food batchmakers (6873, 6879)

Precision Inspectors, Testers, and Related Workers

- 689 Inspectors, testers, and graders (6881, 828)
- 693 Adjusters and calibrators (6882)

Plant and System Operators

- 694 Water and sewage treatment plant operators (691)
- 695 Power plant operators (pt 693)
- 696 Stationary engineers (pt 693, 7668)
- 699 Miscellaneous plant and system operators (692, 694, 695, 696)

OPERATORS, FABRICATORS, AND LABORERS

Machine Operators, Assemblers, and Inspectors

Machine Operators and Tenders, except Precision

Metal working and Plastic Working Machine Operators

- 703 Lathe and turning machine set-up operators (7312)
- 704 Lathe and turning machine operators (7512)
- 705 Milling and planing machine operators (7313, 7513)
- 706 Punching and stamping press machine operators (7314, 7317,
7514, 7517)
- 707 Rolling machine operators (7316, 7516)
- 708 Drilling and boring machine operators (7318, 7518)
- 709 Grinding, abrading, buffing, and polishing machine operators
(7322, 7324, 7522)
- 713 Forging machine operators (7319, 7519)
- 714 Numerical control machine operators (7326)
- 715 Miscellaneous metal, plastic, stone, and glass working
machine operators (7329, 7529)
- 717 Fabricating machine operators, n.e.c. (7339, 7539)
- Metal and Plastic Processing Machine Operators**
- 719 Molding and casting machine operators (7315, 7342, 7515, 7542)
- 723 Metal plating machine operators (7343, 7543)
- 724 Heat treating equipment operators (7344, 7544)
- 725 Miscellaneous metal and plastic processing machine operators
(7349, 7549)

Woodworking Machine Operators

- 726 Wood lathe, routing, and planing machine operators (7431,
7432, 7631, 7632)
- 727 Sawing machine operators (7433, 7633)
- 728 Shaping and joining machine operators (7435, 7635)
- 729 Nailing and tacking machine operators (7636)
- 733 Miscellaneous woodworking machine operators (7434, 7439, 7634,
7639)

Printing Machine Operators

- 734 Printing press operators (7443, 7643)
- 735 Photoengravers and lithographers (6842, 7444, 7644)
- 736 Typesetters and compositors (6841, 7642)
- 737 Miscellaneous printing machine operators (6849, 7449, 7649)

Textile, Apparel, and Furnishings Machine Operators

- 738 Winding and twisting machine operators (7451, 7651)
- 739 Knitting, looping, taping, and weaving machine operators
(7452, 7652)
- 743 Textile cutting machine operators (7654)
- 744 Textile sewing machine operators (7655)
- 745 Shoe machine operators (7656)
- 747 Pressing machine operators (7657)
- 748 Laundering and dry cleaning machine operators (6855, 7658)
- 749 Miscellaneous textile machine operators (7459, 7659)

Machine Operators, Assorted Materials

- 753 Cementing and gluing machine operators (7661)
- 754 Packaging and filling machine operators (7462, 7662)
- 755 Extruding and forming machine operators (7463, 7663)
- 756 Mixing and blending machine operators (7664)
- 757 Separating, filtering, and clarifying machine operators
(7476, 7666, 7676)
- 758 Compressing and compacting machine operators (7467, 7667)
- 759 Painting and paint spraying machine operators (7669)
- 763 Roasting and baking machine operators, food (7472, 7672)
- 764 Washing, cleaning, and pickling machine operators (7673)
- 765 Folding machine operators (7474, 7674)
- 766 Furnace, kiln, and oven operators, exc. food (7675)
- 768 Crushing and grinding machine operators (pt 7477, pt 7677)
- 769 Slicing and cutting machine operators (7478, 7678)
- 773 Motion picture projectionists (pt 7479)
- 774 Photographic process machine operators (6863, 6868, 7671)
- 777 Miscellaneous machine operators, n.e.c. (pt 7479, 7665, 7679)
- 779 Machine operators, not specified

Fabricators, Assemblers, and Hand Working Occupations

- 783 Welders and cutters (7332, 7532, 7714)
- 784 Solderers and brazers (7333, 7533, 7717)
- 785 Assemblers (772, 774)
- 786 Hand cutting and trimming occupations (7753)
- 787 Hand molding, casting, and forming occupations (7754, 7755)
- 789 Hand painting, coating, and decorating occupations (7756)
- 793 Hand engraving and printing occupations (7757)
- 795 Miscellaneous hand working occupations (7758, 7759)
- Production Inspectors, Testers, Samplers, and Weighers
- 796 Production inspectors, checkers, and examiners (782, 787)
- 797 Production testers (783)
- 798 Production samplers and weighers (784)
- 799 Graders and sorters, exc. agricultural (785)

Transportation and Material Moving Occupations

Motor Vehicle Operators

- 803 Supervisors, motor vehicle operators (8111)
- 804 Truck drivers (8212-8214)
- 806 Driver-sales workers (8218)
- 808 Bus drivers (8215)
- 809 Taxicab drivers and chauffeurs (8216)
- 813 Parking lot attendants (874)
- 814 Motor transportation occupations, n.e.c. (8219)

Transportation Occupations, Except Motor Vehicles

Rail Transportation Occupations

- 823 Railroad conductors and yardmasters (8113)
- 824 Locomotive operating occupations (8232)
- 825 Railroad brake, signal, and switch operators (8233)
- 826 Rail vehicle operators, n.e.c. (8239)

Water Transportation Occupations

- 828 Ship captains and mates, except fishing boats (pt 8241,
8242)
- 829 Sailors and deckhands (8243)
- 833 Marine engineers (8244)
- 834 Bridge, lock, and lighthouse tenders (8245)

Material Moving Equipment Operators

- 843 Supervisors, material moving equipment operators (812)
- 844 Operating engineers (8312)
- 845 Longshore equipment operators (8313)
- 848 Hoist and winch operators (8314)
- 849 Crane and tower operators (8315)
- 853 Excavating and loading machine operators (8316)
- 855 Grader, dozer, and scraper operators (8317)
- 856 Industrial truck and tractor equipment operators (8318)
- 859 Miscellaneous material moving equipment operators (8319)

Handlers, Equipment Cleaners, Helpers, and Laborers

- 864 Supervisors, handlers, equipment cleaners, and laborers, n.e.c.
(85)
- 865 Helpers, mechanics and repairers (863)
- Helpers, Construction and Extractive Occupations
- 866 Helpers, construction trades (8641-8645, 8648)
- 867 Helpers, surveyor (8646)
- 868 Helpers, extractive occupations (865)
- 869 Construction laborers (871)
- 874 Production helpers (861, 862)
- Freight, Stock, and Material Handlers
- 875 Garbage collectors (8722)
- 876 Stevedores (8723)
- 877 Stock handlers and baggers (8724)
- 878 Machine feeders and offbearers (8725)
- 883 Freight, stock, and material handlers, n.e.c. (8726)
- 885 Garage and service station related occupations (873)
- 887 Vehicle washers and equipment cleaners (875)
- 888 Hand packers and packagers (8761)
- 889 Laborers, except construction (8769)

MILITARY OCCUPATIONS

905 Military occupation

U.S. DEPARTMENT OF COMMERCE
Bureau of the Census
Washington, D.C. 20233

1990 CENSUS OF POPULATION
INDUSTRIAL CLASSIFICATION SYSTEM.

(Numbers in parenthesis are the 1987 SIC codes)

1990
CENSUS
CODE

AGRICULTURE, FORESTRY, AND FISHERIES

- 010 Agricultural production, crops (01)
- 011 Agricultural production, livestock (02)
- 012 Veterinary services (074)
- 020 Landscape and horticultural services (078)
- 030 Agricultural services, n.e.c. (071, 072, 075, 076)
- 031 Forestry (08)
- 032 Fishing, hunting, and trapping (09)

MINING

- 040 Metal mining (10)
- 041 Coal mining (12)
- 042 Oil and gas extraction (13)
- 050 Nonmetallic mining and quarrying, except fuel (14)

- 060 CONSTRUCTION (15, 16, 17)

MANUFACTURING

Nondurable Goods

- Food and kindred products
 - 100 Meat products (201)
 - 101 Dairy products (202)
 - 102 Canned, frozen, and preserved fruits and vegetables (203)
 - 110 Grain mill products (204)
 - 111 Bakery products (205)
 - 112 Sugar and confectionery products (206)
 - 120 Beverage industries (208)
 - 121 Miscellaneous food preparations and kindred products (207, 209)
 - 122 Not specified food industries
- 130 Tobacco manufactures (21)
 - Textile mill products
 - 132 Knitting mills (225)
 - 140 Dyeing and finishing textiles, except wool and knit goods (226)
 - 141 Carpets and rugs (227)
 - 142 Yarn, thread, and fabric mills (221-224, 228)
 - 150 Miscellaneous textile mill products (229)

**CENSUS
CODE**

MANUFACTURING - Continued

Nondurable goods - Continued

Apparel and other finished textile products

- 151 Apparel and accessories, except knit (231-238)
- 152 Miscellaneous fabricated textile products (239)

Paper and allied products

- 160 Pulp, paper, and paperboard mills (261-263)
- 161 Miscellaneous paper and pulp products (267)
- 162 Paperboard containers and boxes (265)

Printing, publishing, and allied industries

- 171 Newspaper publishing and printing (271)
- 172 Printing, publishing, and allied industries, except newspapers (272-279)

Chemicals and allied products

- 180 Plastics, synthetics, and resins (282)
- 181 Drugs (283)
- 182 Soaps and cosmetics (284)
- 190 Paints, varnishes, and related products (285)
- 191 Agricultural chemicals (287)
- 192 Industrial and miscellaneous chemicals (281, 286, 289)

Petroleum and coal products

- 200 Petroleum refining (291)
- 201 Miscellaneous petroleum and coal products (295, 299)

Rubber and miscellaneous plastics products

- 210 Tires and inner tubes (301)
- 211 Other rubber products, and plastics footwear and belting (302-306)
- 212 Miscellaneous plastics products (308)

Leather and leather products

- 220 Leather tanning and finishing (311)
- 221 Footwear, except rubber and plastic (313, 314)
- 222 Leather products, except footwear (315-317, 319)

Durable Goods

Lumber and wood products, except furniture

- 230 Logging (241)
- 231 Sawmills, planing mills, and millwork (242, 243)
- 232 Wood buildings and mobile homes (245)
- 241 Miscellaneous wood products (244, 249)
- 242 Furniture and fixtures (25)

Stone, clay, glass, and concrete products

- 250 Glass and glass products (321-323)
- 251 Cement, concrete, gypsum, and plaster products (324, 327)
- 252 Structural clay products (325)
- 261 Pottery and related products (326)
- 262 Miscellaneous nonmetallic mineral and stone products (328, 329)

**CENSUS
CODE****MANUFACTURING - Continued****Durable Goods - Continued****Metal industries**

- 270 Blast furnaces, steelworks, rolling and finishing mills (331)
- 271 Iron and steel foundries (332)
- 272 Primary aluminum industries (3334, part 334, 3353-3355, 3363, 3365)
- 280 Other primary metal industries (3331, 3339, part 334, 3351, 3356, 3357, 3364, 3366, 3369, 339)
- 281 Cutlery, handtools, and general hardware (342)
- 282 Fabricated structural metal products (344)
- 290 Screw machine products (345)
- 291 Metal forgings and stampings (346)
- 292 Ordnance (348)
- 300 Miscellaneous fabricated metal products (341, 343, 347, 349)
- 301 Not specified metal industries

Machinery and computing equipment

- 310 Engines and turbines (351)
- 311 Farm machinery and equipment (352)
- 312 Construction and material handling machines (353)
- 320 Metalworking machinery (354)
- 321 Office and accounting machines (3578, 3579)
- 322 Computers and related equipment (3571-3577)
- 331 Machinery, except electrical, n.e.c. (355, 356, 358, 359)
- 332 Not specified machinery
- Electrical machinery, equipment, and supplies**
- 340 Household appliances (363)
- 341 Radio, TV, and communication equipment (365, 366)
- 342 Electrical machinery, equipment, and supplies, n.e.c. (361, 362, 364, 367, 369)
- 350 Not specified electrical machinery, equipment, and supplies

Transportation equipment

- 351 Motor vehicles and motor vehicle equipment (371)
- 352 Aircraft and parts (372)
- 360 Ship and boat building and repairing (373)
- 361 Railroad locomotives and equipment (374)
- 362 Guided missiles, space vehicles, and parts (376)
- 370 Cycles and miscellaneous transportation equipment (375, 379)

Professional and photographic equipment, and watches

- 371 Scientific and controlling instruments (381, 382 exc. 3827)
- 372 Medical, dental, and optical instruments and supplies (3827, 384, 385)
- 380 Photographic equipment and supplies (386)
- 381 Watches, clocks, and clockwork operated devices (387)
- 390 Toys, amusement, and sporting goods (394)
- 391 Miscellaneous manufacturing industries (39 exc. 394)
- 392 Not specified manufacturing industries

**CENSUS
CODE**

**TRANSPORTATION, COMMUNICATIONS, AND OTHER
PUBLIC UTILITIES**

Transportation

- 400 Railroads (40)
- 401 Bus service and urban transit (41, except 412)
- 402 Taxicab service (412)
- 410 Trucking service (421, 423)
- 411 Warehousing and storage (422)
- 412 U.S. Postal Service (43)
- 420 Water transportation (44)
- 421 Air transportation (45)
- 422 Pipe lines, except natural gas (46)
- 432 Services incidental to transportation (47)

Communications

- 440 Radio and television broadcasting and cable (483, 484)
- 441 Telephone communications (481)
- 442 Telegraph and miscellaneous communications services (482, 489)

Utilities and sanitary services

- 450 Electric light and power (491)
- 451 Gas and steam supply systems (492, 496)
- 452 Electric and gas, and other combinations (493)
- 470 Water supply and irrigation (494, 497)
- 471 Sanitary services (495)
- 472 Not specified utilities

WHOLESALE TRADE

Durable Goods

- 500 Motor vehicles and equipment (501)
- 501 Furniture and home furnishings (502)
- 502 Lumber and construction materials (503)
- 510 Professional and commercial equipment and supplies (504)
- 511 Metals and minerals, except petroleum (505)
- 512 Electrical goods (506)
- 521 Hardware, plumbing and heating supplies (507)
- 530 Machinery, equipment, and supplies (508)
- 531 Scrap and waste materials (5093)
- 532 Miscellaneous wholesale, durable goods (509 exc. 5093)

Nondurable Goods

- 540 Paper and paper products (511)
- 541 Drugs, chemicals and allied products (512, 516)
- 542 Apparel, fabrics, and notions (513)
- 550 Groceries and related products (514)
- 551 Farm-product raw materials (515)
- 552 Petroleum products (517)
- 560 Alcoholic beverages (518)
- 561 Farm supplies (5191)
- 562 Miscellaneous wholesale, nondurable goods (5192-5199)
- 571 Not specified wholesale trade

**CENSUS
CODE**

RETAIL TRADE

- 580 Lumber and building material retailing (521, 523)
- 581 Hardware stores (525)
- 582 Retail nurseries and garden stores (526)
- 590 Mobile home dealers (527)
- 591 Department stores (531)
- 592 Variety stores (533)
- 600 Miscellaneous general merchandise stores (539)
- 601 Grocery stores (541)
- 602 Dairy products stores (545)
- 610 Retail bakeries (546)
- 611 Food stores, n.e.c. (542, 543, 544, 549)

- 612 Motor vehicle dealers (551, 552)
- 620 Auto and home supply stores (553)
- 621 Gasoline service stations (554)
- 622 Miscellaneous vehicle dealers (555, 556, 557, 559)
- 623 Apparel and accessory stores, except shoe (56, except 566)
- 630 Shoe stores (566)
- 631 Furniture and home furnishings stores (571)
- 632 Household appliance stores (572)
- 633 Radio, TV, and computer stores (5731, 5734)
- 640 Music stores (5735, 5736)
- 641 Eating and drinking places (58)

- 642 Drug stores (591)
- 650 Liquor stores (592)
- 651 Sporting goods, bicycles, and hobby stores (5941, 5945, 5946)
- 652 Book and stationery stores (5942, 5943)
- 660 Jewelry stores (5944)
- 661 Gift, novelty, and souvenir shops (5947)
- 662 Sewing, needlework and piece goods stores (5949)
- 663 Catalog and mail order houses (5961)
- 670 Vending machine operators (5962)
- 671 Direct selling establishments (5963)
- 672 Fuel dealers (598)
- 681 Retail florists (5992)
- 682 Miscellaneous retail stores (593, 5948, 5993-5995, 5999)
- 691 Not specified retail trade

FINANCE, INSURANCE, AND REAL ESTATE

- 700 Banking (60 exc. 603 and 606)
- 701 Savings institutions, including credit unions (603, 606)
- 702 Credit agencies, n.e.c. (61)
- 710 Security, commodity brokerage, and investment companies (62, 67)
- 711 Insurance (63, 64)
- 712 Real estate, including real estate-insurance offices (65)

**CENSUS
CODE**

BUSINESS AND REPAIR SERVICES

- 721 Advertising (731)
- 722 Services to dwellings and other buildings (734)
- 731 Personnel supply services (736)
- 732 Computer and data processing services (737)
- 740 Detective and protective services (7381, 7382)
- 741 Business services, n.e.c. (732, 733, 735, 7383-7389)
- 742 Automotive rental and leasing, without drivers (751)
- 750 Automobile parking and carwashes (752, 7542)
- 751 Automotive repair and related services (753, 7549)
- 752 Electrical repair shops (762, 7694)
- 760 Miscellaneous repair services (763, 764, 7692, 7699)

PERSONAL SERVICES

- 761 Private households (88)
- 762 Hotels and motels (701)
- 770 Lodging places, except hotels and motels (702, 703, 704)
- 771 Laundry, cleaning, and garment services (721 exc. part 7219)
- 772 Beauty shops (723)
- 780 Barber shops (724)
- 781 Funeral service and crematories (726)
- 782 Shoe repair shops (725)
- 790 Dressmaking shops (part 7219)
- 791 Miscellaneous personal services (722, 729)

ENTERTAINMENT AND RECREATION SERVICES

- 800 Theaters and motion pictures (781-783, 792)
- 801 Video tape rental (784)
- 802 Bowling centers (793)
- 810 Miscellaneous entertainment and recreation services (791, 794, 799)

PROFESSIONAL AND RELATED SERVICES

- 812 Offices and clinics of physicians (801, 803)
- 820 Offices and clinics of dentists (802)
- 821 Offices and clinics of chiropractors (8041)
- 822 Offices and clinics of optometrists (8042)
- 830 Offices and clinics of health practitioners, n.e.c. (8043, 8049)
- 831 Hospitals (806)
- 832 Nursing and personal care facilities (805)
- 840 Health services, n.e.c. (807, 808, 809)

- 841 Legal services (81)
- 842 Elementary and secondary schools (821)
- 850 Colleges and universities (822)
- 851 Vocational schools (824)
- 852 Libraries (823)
- 860 Educational services, n.e.c. (829)

CENSUS
CODE

PROFESSIONAL AND RELATED SERVICES - Continued

- 861 Job training and vocational rehabilitation services (833)
- 862 Child day care services (part 835)
- 863 Family child care homes (part 835)
- 870 Residential care facilities, without nursing (836)
- 871 Social services, n.e.c. (832, 839)
- 872 Museums, art galleries, and zoos (84)
- 873 Labor unions (863)
- 880 Religious organizations (866)
- 881 Membership organizations, n.e.c. (861, 862, 864, 865, 869)

- 882 Engineering, architectural, and surveying services (871)
- 890 Accounting, auditing, and bookkeeping services (872)
- 891 Research, development, and testing services (873)
- 892 Management and public relations services (874)
- 893 Miscellaneous professional and related services (899)

PUBLIC ADMINISTRATION

- 900 Executive and legislative offices (911-913)
- 901 General government, n.e.c. (919)
- 910 Justice, public order, and safety (92)
- 921 Public finance, taxation, and monetary policy (93)
- 922 Administration of human resources programs (94)
- 930 Administration of environmental quality and housing programs (95)
- 931 Administration of economic programs (96)
- 932 National security and international affairs (97)

- 991 Military

**CHANGES BETWEEN 1980 AND 1990
INDUSTRY CLASSIFICATION SYSTEMS**

CODE		TITLE CHANGED	1990 TITLE
1980	1990	'80 TO '90	(Except where noted)
-	012✓	New	Veterinary services
021	020✓	X	Landscape and horticultural services
020	030✓	X	Agricultural services, n.e.c.
030	031	S	Forestry
031	032	S	Fishing, hunting, and trapping
S	042	X	Oil and gas extraction
S	102	X	Canned, frozen, and preserved fruits and vegetables
S	141	X	Carpets and rugs
S	281	X	Cutlery, handtools, and general hardware
S	322	X	Computers and related equipment
S	372	X	Medical, dental, and optical instruments and supplies
382	-	Deleted	(Old) Not specified professional equipment
S	440	X	Radio and television broadcasting and cable
S	441	X	Telephone communications
460	450	S	Electric light and power
461	451	S	Gas and steam supply systems
462	452	S	Electric and gas, and other combinations
S	510	X	Professional and commercial equipment and supplies
522	-	Deleted	(Old) Not specified electrical and hardware products
630	623	S	Apparel and accessory stores, except shoe
631	630	S	Shoe stores
632	631	S	Furniture and home furnishings stores
-	632	New	Household appliance stores
640	633	X	Radio, TV, and computer stores
-	640	New	Music stores
-	661	New	Gift, novelty, and souvenir shops
661	662	S	Sewing, needlework, and piece goods stores
662	663	X	Catalog and mail order houses
S	672	X	Fuel dealers
S	701	X	Savings institutions, including credit unions
S	712	X	Real estate, including real estate-insurance offices
730	891	XX	Combined with category 891
740	732	S	Computer and data processing services
741	740	S	Detective and protective services
742	741	S	Business services, n.e.c.
-	742	New	Automotive rental and leasing, without drivers
S	750	X	Automobile parking and carwashes
S	751	X	Automotive repair and related services

-	801	New	Video tape rental
801	802	X	Bowling centers
802	810	S	Miscellaneous entertainment and recreation services
S	812	X	Offices and clinics of physicians
S	820	X	Offices and clinics of dentists
S	821	X	Offices and clinics of chiropractors
S	822	X	Offices and clinics of optometrists
S	830	X	Offices and clinics of health practitioners, n.e.c.
S	851	X	Vocational schools
-	863	New	Family child care homes
-	873	New	Labor unions
S	881	X	Membership organizations, n.e.c.
S	891	X	Research, development, and testing services
732	892	X	Management and public relations services
892	893	S	Miscellaneous professional and related services

Deleted - Category not in 1990 system.

New - New category for 1990.

S - 1980 code same as 1990 or 1980 title same as 1990.

X - Title changed for this industry.

XX - Category consolidated with another industry in 1990.

- - No code.

**CHANGES BETWEEN 1980 AND 1990
OCCUPATIONAL CLASSIFICATION SYSTEM**

CODE		TITLE CHANGE	1990 TITLE
1980	1990	'80 TO '90	(Except Where Noted)
017	016	S	Postmasters and mail superintendents
* ✓	017	New	Managers, food serving and lodging establishments
016	018	S	Managers, properties and real estate
018	019	S	Funeral directors
*	021	New	Managers, service organizations, n.e.c.
019	022	S	Managers and administrators, n.e.c.
✓ S	098	X	Respiratory therapists
✓ 349	353	XX	(Old) Telegraphers
✓ S	353	S	Communications equipment operators, n.e.c.
✓ S	368	X	Weighers, measurers, checkers and samplers
369	368	XX	(Old) Samplers
✓ S	436	X	Cooks
437	436	XX	(Old) Short order cooks
✓ 463	461	S	Guides
464	462	S	Ushers
465	463	S	Public transportation attendants
466	464	S	Baggage porters and bellhops
467	465	S	Welfare service aides
✓ **	466	New	Family child care providers
✓ **	467	New	Early childhood teacher's assistants
✓ S	468	X	Child care workers, n.e.c.
633	628	S	Supervisors, production occupations
673	674	XX	(Old) Apparel and fabric patternmakers
✓ S	674	S	Miscellaneous precision apparel and fabric workers
✓ S	734	X	Printing press operators
✓ 794	795	XX	(Old) Hand grinding and polishing occupations
S	795	S	Miscellaneous hand working occupations
S	804	X	Truck drivers
805	804	XX	(Old) Truck drivers, light
✓ 863	864	S	Supervisors, handlers, equipment cleaners, and laborers
✓ 864	865	S	Helpers, mechanics and repairers
✓ 865	866	S	Helpers, construction trades
✓ 866	867	S	Helpers, surveyor
867	868	S	Helpers, extractive occupations
873	874	S	Production helpers

- - No code
- New - New category for 1990
- S - 1990 code same as 1980 or 1990 title same as 1980
- XX - Category consolidated with another
- X - Title change for this occupation
- * - Part of 019 in 1980
- ** - Part of 468 in 1980