

# BusinessCounts Occupation Classification



## 1 Management Occupations

11-10XX Chief executives and legislators  
11-1021 General and operations managers  
11-2011 Advertising and promotions managers  
11-2020 Marketing and sales managers  
11-2031 Public relations and fundraising managers  
11-3011 Administrative services managers  
11-3021 Computer and information systems managers  
11-3031 Financial managers  
11-3111 Compensation and benefits managers  
11-3121 Human resources managers  
11-3131 Training and development managers  
11-3051 Industrial production managers  
11-3061 Purchasing managers  
11-3071 Transportation, storage, and distribution managers  
11-9013 Farmers, ranchers, and other agricultural managers  
11-9021 Construction managers  
11-9030 Education administrators  
11-9041 Architectural and engineering managers  
11-9051 Food service managers  
11-9071 Gaming managers  
11-9081 Lodging managers  
11-9111 Medical and health services managers  
11-9121 Natural sciences managers  
11-9141 Property, real estate, and community association managers  
11-9151 Social and community service managers  
11-9161 Emergency management directors  
11-9XXX Miscellaneous managers, including funeral service managers and postmasters and mail superintendents

## 2 Business and Financial Operations

13-1011 Agents and business managers of artists, performers, and athletes  
13-1021 Buyers and purchasing agents, farm products  
13-1022 Wholesale and retail buyers, except farm products  
13-1023 Purchasing agents, except wholesale, retail, and farm products  
13-1030 Claims adjusters, appraisers, examiners, and investigators  
13-1041 Compliance officers  
13-1051 Cost estimators  
13-1070 Human resources workers  
13-1141 Compensation, benefits, and job analysis specialists  
13-1151 Training and development specialists  
13-1081 Logisticians  
13-1111 Management analysts

# BusinessCounts Occupation Classification



13-1121 Meeting, convention, and event planners  
13-1131 Fundraisers  
13-1161 Market research analysts and marketing specialists  
13-1199 Business operations specialists, all other  
13-2011 Accountants and auditors  
13-2021 Appraisers and assessors of real estate  
13-2031 Budget analysts  
13-2041 Credit analysts  
13-2051 Financial analysts  
13-2052 Personal financial advisors  
13-2053 Insurance underwriters  
13-2061 Financial examiners  
13-2070 Credit counselors and loan officers  
13-2081 Tax examiners and collectors, and revenue agents  
13-2082 Tax preparers  
13-2099 Financial specialists, all other

## 3 Computer and Mathematical Occupations

15-1111 Computer and information research scientists  
15-1121 Computer systems analysts  
15-1122 Information security analysts  
15-1131 Computer programmers  
15-113X Software developers, applications and systems software  
15-1134 Web developers  
15-1150 Computer support specialists  
15-1141 Database administrators  
15-1142 Network and computer systems administrators  
15-1143 Computer network architects  
15-1199 Computer occupations, all other  
15-2011 Actuaries  
15-2031 Operations research analysts  
15-20XX Miscellaneous mathematical science occupations, including mathematicians and statisticians

## 4 Architecture and Engineering

17-1010 Architects, except naval  
17-1020 Surveyors, cartographers, and photogrammetrists  
17-2011 Aerospace engineers  
17-20XX Biomedical and agricultural engineers  
17-2041 Chemical engineers  
17-2051 Civil engineers  
17-2061 Computer hardware engineers  
17-2070 Electrical and electronics engineers

# BusinessCounts Occupation Classification



## 5 Life, Physical, and Social Science Occupations

17-2081 Environmental engineers  
17-2110 Industrial engineers, including health and safety  
17-2121 Marine engineers and naval architects  
17-2131 Materials engineers  
17-2141 Mechanical engineers  
17-21XX Petroleum, mining and geological engineers, including mining safety engineers  
17-21YY Miscellaneous engineers, including nuclear engineers  
17-3010 Drafters  
17-3020 Engineering technicians, except drafters  
17-3031 Surveying and mapping technicians

19-1010 Agricultural and food scientists  
19-1020 Biological scientists  
19-1030 Conservation scientists and foresters  
19-10XX Medical scientists, and life scientists, all other  
19-2010 Astronomers and physicists  
19-2021 Atmospheric and space scientists  
19-2030 Chemists and materials scientists  
19-2040 Environmental scientists and geoscientists  
19-2099 Physical scientists, all other  
19-3011 Economists  
19-3030 Psychologists  
19-3051 Urban and regional planners  
19-30XX Miscellaneous social scientists, including survey researchers and sociologists  
19-4011 Agricultural and food science technicians  
19-4021 Biological technicians  
19-4031 Chemical technicians  
19-40XX Geological and petroleum technicians, and nuclear technicians  
19-40YY Miscellaneous life, physical, and social science technicians, including social science research assistants

## 6 Community and Social Service Occupations

21-1010 Counselors  
21-1020 Social workers  
21-1092 Probation officers and correctional treatment specialists  
21-1093 Social and human service assistants  
21-109X Miscellaneous community and social service specialists, including health educators and community health workers  
21-2011 Clergy  
21-2021 Directors, religious activities and education

# BusinessCounts Occupation Classification



21-2099 Religious workers, all other

## 7 Legal Occupations

23-10XX Lawyers, and judges, magistrates, and other judicial workers  
23-1012 Judicial law clerks  
23-2011 Paralegals and legal assistants  
23-2090 Miscellaneous legal support workers

## 8 Education, Training, and Library Occupations

25-1000 Postsecondary teachers  
25-2010 Preschool and kindergarten teachers  
25-2020 Elementary and middle school teachers  
25-2030 Secondary school teachers  
25-2050 Special education teachers  
25-3000 Other teachers and instructors  
25-4010 Archivists, curators, and museum technicians  
25-4021 Librarians  
25-4031 Library technicians  
25-9041 Teacher assistants  
25-90XX Other education, training, and library workers

## 9 Arts, Design, Entertainment, Sports and Media Occupations

27-1010 Artists and related workers  
27-1020 Designers  
27-2011 Actors  
27-2012 Producers and directors  
27-2020 Athletes, coaches, umpires, and related workers  
27-2030 Dancers and choreographers  
27-2040 Musicians, singers, and related workers  
27-2099 Entertainers and performers, sports and related workers, all other  
27-3010 Announcers  
27-3020 News analysts, reporters and correspondents  
27-3031 Public relations specialists  
27-3041 Editors  
27-3042 Technical writers  
27-3043 Writers and authors  
27-3090 Miscellaneous media and communication workers  
27-40XX Broadcast & sound engineering technicians & radio operators, and media and communication equipment workers, all  
27-4021 Photographers  
27-4030 Television, video, and motion picture camera operators and editors

# BusinessCounts Occupation Classification



## 10 Health Diagnosing and Treating Practitioners

29-1011 Chiropractors  
29-1020 Dentists  
29-1031 Dietitians and nutritionists  
29-1041 Optometrists  
29-1051 Pharmacists  
29-1060 Physicians and surgeons  
29-1071 Physician assistants  
29-1081 Podiatrists  
29-1181 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  
29-112X Other therapists, including exercise physiologists  
29-1131 Veterinarians  
29-1141 Registered nurses  
29-1151 Nurse anesthetists  
29-11XX Nurse practitioners and nurse midwives  
29-1199 Health diagnosing and treating practitioners, all other

## 11 Health Technologists and Technicians

29-2010 Clinical laboratory technologists and technicians  
29-2021 Dental hygienists  
29-2030 Diagnostic related technologists and technicians  
29-2041 Emergency medical technicians and paramedics  
29-2050 Health practitioner support technologists and technicians  
29-2061 Licensed practical and licensed vocational nurses  
29-2071 Medical records and health information technicians  
29-2081 Opticians, dispensing  
29-2090 Miscellaneous health technologists and technicians  
29-9000 Other healthcare practitioners and technical occupations

## 12 Healthcare Support

31-1010 Nursing, psychiatric, and home health aides  
31-2010 Occupational therapy assistants and aides  
31-2020 Physical therapist assistants and aides  
31-9011 Massage therapists  
31-9091 Dental assistants  
31-9092 Medical assistants  
31-9094 Medical transcriptionists  
31-9095 Pharmacy aides

# BusinessCounts Occupation Classification



31-9096 Veterinary assistants and laboratory animal caretakers  
31-9097 Phlebotomists  
31-909X Healthcare support workers, all other, including medical equipment preparers

## 13 Protective Services

33-1011 First-line supervisors of correctional officers  
33-1012 First-line supervisors of police and detectives  
33-1021 First-line supervisors of fire fighting and prevention workers  
33-1099 First-line supervisors of protective service workers, all other  
33-2011 Firefighters  
33-2020 Fire inspectors  
33-3010 Bailiffs, correctional officers, and jailers  
33-3021 Detectives and criminal investigators  
33-30XX Miscellaneous law enforcement workers  
33-3050 Police officers  
33-9011 Animal control workers  
33-9021 Private detectives and investigators  
33-9030 Security guards and gaming surveillance officers  
33-9091 Crossing guards  
33-9093 Transportation security screeners  
33-909X Lifeguards and other recreational, and all other protective service workers

## 14 Food Preparation and Serving

35-1011 Chefs and head cooks  
35-1012 First-line supervisors of food preparation and serving workers  
35-2010 Cooks  
35-2021 Food preparation workers  
35-3011 Bartenders  
35-3021 Combined food preparation and serving workers, including fast food  
35-3022 Counter attendants, cafeteria, food concession, and coffee shop  
35-3031 Waiters and waitresses  
35-3041 Food servers, nonrestaurant  
35-90XX Miscellaneous food preparation & serving related workers, including dining room and cafeteria attendants and barte  
35-9021 Dishwashers  
35-9031 Hosts and hostesses, restaurant, lounge, and coffee shop

# BusinessCounts Occupation Classification



## 15 Building and Grounds Maintenance

37-1011 First-line supervisors of housekeeping and janitorial workers  
37-1012 First-line supervisors of landscaping, lawn service, and groundskeeping workers  
37-201X Janitors and building cleaners  
37-2012 Maids and housekeeping cleaners  
37-2021 Pest control workers  
37-3010 Grounds maintenance workers

## 16 Personal Care and Service Occupations

39-1010 First-line supervisors of gaming workers  
39-1021 First-line supervisors of personal service workers  
39-2011 Animal trainers  
39-2021 Nonfarm animal caretakers  
39-3010 Gaming services workers  
39-3021 Motion picture projectionists  
39-3031 Ushers, lobby attendants, and ticket takers  
39-3090 Miscellaneous entertainment attendants and related workers  
39-40XX Embalmers and funeral attendants  
39-4031 Morticians, undertakers, and funeral directors  
39-5011 Barbers  
39-5012 Hairdressers, hairstylists, and cosmetologists  
39-5090 Miscellaneous personal appearance workers  
39-6010 Baggage porters, bellhops, and concierges  
39-7010 Tour and travel guides  
39-9011 Childcare workers  
39-9021 Personal care aides  
39-9030 Recreation and fitness workers  
39-9041 Residential advisors  
39-9099 Personal care and service workers, all other

## 17 Sales Occupations

41-1011 First-line supervisors of retail sales workers  
41-1012 First-line supervisors of non-retail sales workers  
41-2010 Cashiers  
41-2021 Counter and rental clerks  
41-2022 Parts salespersons  
41-2031 Retail salespersons  
41-3011 Advertising sales agents  
41-3021 Insurance sales agents  
41-3031 Securities, commodities, and financial services sales agents  
41-3041 Travel agents  
41-3099 Sales representatives, services, all other  
41-4010 Sales representatives, wholesale and manufacturing

# BusinessCounts Occupation Classification



41-9010 Models, demonstrators, and product promoters  
41-9020 Real estate brokers and sales agents  
41-9031 Sales engineers  
41-9041 Telemarketers  
41-9091 Door-to-door sales workers, news and street vendors, and related workers  
41-9099 Sales and related workers, all other

## 18 Office And Administrative Support

43-1011 First-line supervisors of office and administrative support workers  
43-2011 Switchboard operators, including answering service  
43-2021 Telephone operators  
43-2099 Communications equipment operators, all other  
43-3011 Bill and account collectors  
43-3021 Billing and posting clerks  
43-3031 Bookkeeping, accounting, and auditing clerks  
43-3041 Gaming cage workers  
43-3051 Payroll and timekeeping clerks  
43-3061 Procurement clerks  
43-3071 Tellers  
43-3099 Financial clerks, all other  
43-4011 Brokerage clerks  
43-4031 Court, municipal, and license clerks  
43-4041 Credit authorizers, checkers, and clerks  
43-4051 Customer service representatives  
43-4061 Eligibility interviewers, government programs  
43-4071 File clerks  
43-4081 Hotel, motel, and resort desk clerks  
43-4111 Interviewers, except eligibility and loan  
43-4121 Library assistants, clerical  
43-4131 Loan interviewers and clerks  
43-4141 New accounts clerks  
43-4XXX Correspondence clerks and order clerks  
43-4161 Human resources assistants, except payroll and timekeeping  
43-4171 Receptionists and information clerks  
43-4181 Reservation and transportation ticket agents and travel clerks  
43-4199 Information and record clerks, all other  
43-5011 Cargo and freight agents  
43-5021 Couriers and messengers  
43-5030 Dispatchers  
43-5041 Meter readers, utilities  
43-5051 Postal service clerks



# BusinessCounts Occupation Classification



43-5052 Postal service mail carriers  
43-5053 Postal service mail sorters, processors, and processing machine operators  
43-5061 Production, planning, and expediting clerks  
43-5071 Shipping, receiving, and traffic clerks  
43-5081 Stock clerks and order fillers  
43-5111 Weighers, measurers, checkers, and samplers, recordkeeping  
43-6010 Secretaries and administrative assistants  
43-9011 Computer operators  
43-9021 Data entry keyers  
43-9022 Word processors and typists  
43-9041 Insurance claims and policy processing clerks  
43-9051 Mail clerks and mail machine operators, except postal service  
43-9061 Office clerks, general  
43-9071 Office machine operators, except computer  
43-9081 Proofreaders and copy markers  
43-9111 Statistical assistants  
43-9XXX Miscellaneous office and administrative support workers, including desktop publishers

## 19 Farming, Fishing, And Forestry Occupations

45-1011 First-line supervisors of farming, fishing, and forestry workers  
45-2011 Agricultural inspectors  
45-2041 Graders and sorters, agricultural products  
45-20XX Miscellaneous agricultural workers, including animal breeders  
45-3000 Fishing and hunting workers  
45-4011 Forest and conservation workers  
45-4020 Logging workers

## 20 Construction and Extraction Occupations

47-1011 First-line supervisors of construction trades and extraction workers  
47-2011 Boilermakers  
47-2020 Brickmasons, blockmasons, and stonemasons  
47-2031 Carpenters  
47-2040 Carpet, floor, and tile installers and finishers  
47-2050 Cement masons, concrete finishers, and terrazzo workers  
47-2061 Construction laborers  
47-2071 Paving, surfacing, and tamping equipment operators  
47-207X Construction equipment operators except paving, surfacing, and tamping equipment operators  
47-2080 Drywall installers, ceiling tile installers, and tapers  
47-2111 Electricians  
47-2121 Glaziers

# BusinessCounts

## Occupation Classification



47-2130 Insulation workers  
47-2141 Painters, construction and maintenance  
47-2142 Paperhangers  
47-2150 Pipelayers, plumbers, pipefitters, and steamfitters  
47-2161 Plasterers and stucco masons  
47-2171 Reinforcing iron and rebar workers  
47-2181 Roofers  
47-2211 Sheet metal workers  
47-2221 Structural iron and steel workers  
47-3010 Helpers, construction trades  
47-4011 Construction and building inspectors  
47-4021 Elevator installers and repairers  
47-4031 Fence erectors  
47-4041 Hazardous materials removal workers  
47-4051 Highway maintenance workers  
47-4061 Rail-track laying and maintenance equipment operators  
47-XXXX Miscellaneous construction workers, including solar photovoltaic installers, septic tank servicers and sewer pipe cl  
47-50YY Derrick, rotary drill, and service unit operators, and roustabouts, oil, gas, and mining  
47-5021 Earth drillers, except oil and gas  
47-5031 Explosives workers, ordnance handling experts, and blasters  
47-5040 Mining machine operators  
47-50XX Miscellaneous extraction workers, including roof bolters and helpers

### 21 Installation, Maintenance & Repair Workers

49-1011 First-line supervisors of mechanics, installers, and repairers  
49-2011 Computer, automated teller, and office machine repairers  
49-2020 Radio and telecommunications equipment installers and repairers  
49-2091 Avionics technicians  
49-2092 Electric motor, power tool, and related repairers  
49-209X Electrical and electronics repairers, transportation equipment, and industrial and utility  
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  
49-3011 Aircraft mechanics and service technicians  
49-3021 Automotive body and related repairers  
49-3022 Automotive glass installers and repairers  
49-3023 Automotive service technicians and mechanics  
49-3031 Bus and truck mechanics and diesel engine specialists

# BusinessCounts

## Occupation Classification



49-3040 Heavy vehicle and mobile equipment service technicians and mechanics  
49-3050 Small engine mechanics  
49-3090 Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers  
49-9010 Control and valve installers and repairers  
49-9021 Heating, air conditioning, and refrigeration mechanics and installers  
49-9031 Home appliance repairers  
49-904X Industrial and refractory machinery mechanics  
49-9071 Maintenance and repair workers, general  
49-9043 Maintenance workers, machinery  
49-9044 Millwrights  
49-9051 Electrical power-line installers and repairers  
49-9052 Telecommunications line installers and repairers  
49-9060 Precision instrument and equipment repairers  
49-9091 Coin, vending, and amusement machine servicers and repairers  
49-9094 Locksmiths and safe repairers  
49-9095 Manufactured building and mobile home installers  
49-9096 Riggers  
49-9098 Helpers--installation, maintenance, and repair workers  
49-909X Other installation, maintenance, and repair workers, including wind turbine service technicians, and commercial dive

## 22 Production Workers

51-1011 First-line supervisors of production and operating workers  
51-2011 Aircraft structure, surfaces, rigging, and systems assemblers  
51-2020 Electrical, electronics, and electromechanical assemblers  
51-2031 Engine and other machine assemblers  
51-2041 Structural metal fabricators and fitters  
51-2090 Miscellaneous assemblers and fabricators  
51-3011 Bakers  
51-3020 Butchers and other meat, poultry, and fish 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  
51-3099 Food processing workers, all other  
51-4010 Computer control programmers and operators  
51-4021 Extruding and drawing machine setters, operators, and tenders, metal and plastic  
51-4022 Forging machine setters, operators, and tenders, metal and plastic

# BusinessCounts

## Occupation Classification



51-4023 Rolling machine 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  
51-4041 Machinists  
51-4050 Metal furnace operators, tenders, pourers, and casters  
51-4060 Model makers and patternmakers, metal and plastic  
51-4070 Molders and molding machine setters, operators, and tenders, metal and plastic  
51-4111 Tool and die makers  
51-4120 Welding, soldering, and brazing workers  
51-4191 Heat treating equipment setters, operators, and tenders, metal and plastic  
51-4193 Plating and coating machine setters, operators, and tenders, metal and plastic  
51-4194 Tool grinders, filers, and sharpeners  
51-4XXX Miscellaneous metal workers and plastic workers, including milling & planing machine setters, and multiple machine  
51-5111 Prepress technicians and workers  
51-5112 Printing press operators  
51-5113 Print binding and finishing workers  
51-6011 Laundry and dry-cleaning workers  
51-6021 Pressers, textile, garment, and related materials  
51-6031 Sewing machine operators  
51-6041 Shoe and leather workers and repairers  
51-6042 Shoe machine operators and tenders  
51-6050 Tailors, dressmakers, and sewers  
51-606X Textile bleaching and dyeing, and 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  
51-6093 Upholsterers  
51-609X Miscellaneous textile, apparel, and furnishings workers except upholsterers

# BusinessCounts Occupation Classification



- 51-7011 Cabinetmakers and bench carpenters
- 51-7021 Furniture finishers
- 51-7041 Sawing machine setters, operators, and tenders, wood
- 51-7042 Woodworking machine setters, operators, and tenders, except sawing
- 51-70XX Miscellaneous woodworkers, including model makers and patternmakers
- 51-8010 Power plant operators, distributors, and dispatchers
- 51-8021 Stationary engineers and boiler operators
- 51-8031 Water and wastewater treatment plant and system operators
- 51-8090 Miscellaneous plant and system operators
- 51-9010 Chemical processing machine setters, operators, and tenders
- 51-9020 Crushing, grinding, polishing, mixing, and blending workers
- 51-9030 Cutting workers
- 51-9041 Extruding, forming, pressing, and compacting machine setters, operators, and tenders
- 51-9051 Furnace, kiln, oven, drier, and kettle operators and tenders
- 51-9061 Inspectors, testers, sorters, samplers, and weighers
- 51-9071 Jewelers and precious stone and metal workers
- 51-9080 Medical, dental, and ophthalmic laboratory technicians
- 51-9111 Packaging and filling machine operators and tenders
- 51-9120 Painting workers
- 51-9151 Photographic process workers and processing machine operators
- 51-9191 Adhesive bonding machine operators and tenders
- 51-9192 Cleaning, washing, and metal pickling 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
- 51-91XX Other production workers, including semiconductor processors and cooling and freezing equipment operators
  
- 53-1000 Supervisors of transportation and material moving workers
- 53-2010 Aircraft pilots and flight engineers
- 53-2020 Air traffic controllers and airfield operations specialists
- 53-2031 Flight attendants
- 53-3011 Ambulance drivers and attendants, except emergency medical technicians
- 53-3020 Bus drivers

## 23 Transportation Occupations

# BusinessCounts Occupation Classification



53-3030 Driver/sales workers and truck drivers  
53-3041 Taxi drivers and chauffeurs  
53-3099 Motor vehicle operators, all other  
53-4010 Locomotive engineers and operators  
53-4021 Railroad brake, signal, and switch operators  
53-4031 Railroad conductors and yardmasters  
53-40XX Subway, streetcar, and other rail transportation workers  
53-50XX Sailors and marine oilers, and ship engineers  
53-5020 Ship and boat captains and operators  
53-6021 Parking lot attendants  
53-6031 Automotive and watercraft service attendants  
53-6051 Transportation inspectors  
53-60XX Miscellaneous transportation workers, including bridge and lock tenders and traffic technicians  
53-6061 Transportation attendants, except flight attendants

## 24 Material Moving Occupations

53-7021 Crane and tower operators  
53-7030 Dredge, excavating, and loading machine operators  
53-70XX Conveyor operators and tenders, and hoist and winch operators  
53-7051 Industrial truck and tractor operators  
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  
53-7081 Refuse and recyclable material collectors  
53-71XX Miscellaneous material moving workers, including mine shuttle car operators, and tank car, truck, and ship loaders

## Source Further Information

Standard Occupational Classification  
Contact customer service at 877-944-4AGS or email  
[support@appliedgeographic.com](mailto:support@appliedgeographic.com).