

OKLAHOMA WAGE REPORT

2003

Oklahoma Employment Security Commission
Jon Brock, Executive Director

Economic Research and Analysis Division
Auther Jordan, Director
Wayne Everson, Program Chief

Will Rogers Memorial Office Building
Labor Market Information Unit, 4th Floor N.
P.O. Box 52003
Oklahoma City, OK 73152-2003
Phone: (405) 557-5401
Fax: (405) 525-0139
Email: lmi@oesc.state.ok.us

June 2003

This publication is issued and is part of the activities of the Oklahoma Employment Security Commission as authorized by the Oklahoma Employment Security Act.

Equal Opportunity Employer/Program
Auxiliary aids and services are available upon request to individuals with disabilities.

TABLE OF CONTENTS

Section 1. Introduction	3
Methodology.....	3
Prevailing Wages.....	4
Definitions.....	5
Notes.....	5
Section 2. Wage Data	
Occupational Groups.....	6
Statewide Wage Data.....	7
Alphabetical Listing by Occupation.....	30
Oklahoma City MSA Wage Data.....	44
Tulsa MSA Wage Data.....	67
Lawton MSA Wage Data.....	90
Enid MSA Wage Data.....	112
Section 3. Definitions	133

INTRODUCTION

The 2003 Oklahoma Wage Report represents wage data collected as a result of a wage survey conducted in 1999, 2000 and 2001. To assist users in economic decisions, wage rates and definitions of specific occupations are reported in a series of publications for the state, metropolitan statistical areas (MSAs), labor market areas (LMAs) and workforce investment areas (WIAs).

This publication is intended to be one resource of information. It is suggested that readers consult other wage resources when researching wage information. These sources could include other wage surveys and job announcements.

While the focus of this publication is occupational wage rates, it is important to note that these rates can vary greatly by industry, firm size within an industry and region within the state. While wages are reported in various ways, these wages do not necessarily reflect experience or educational requirements.

When identifying wages for a particular occupation, it is important to be sure that the Standard Occupational Code (SOC) and title refer to the same occupation for which the reader is seeking wages. Some occupational titles can be misleading, as the SOC description may not match all jobs with similar titles.

Note that the wage data in this publication were collected from 1999, 2000 and 2001. When determining wage rates for individual occupations, it is important to assess current labor market conditions, such as labor shortages, that would also affect wage levels.

Methodology

The wage data presented in the 2003 Wage Report were collected through an annual survey measuring wage rates for payroll workers by industry. In Oklahoma, the survey samples over 5,000 establishments per year in all industries, taking two years to fully collect the sample of 10,00 establishments. This data is from the 1999, 2000 and 2001 survey. Wage rates for over 600 occupations are reported.

Employers report the number of employees in an occupation by each wage range. They may report wages based on hourly rates or annual rates. If they report an annual rate, employers provide a wage rate equivalent to full-time regardless of whether or not their employees work full-time. Wages represented are hourly rates.

Wages for this survey are straight-time gross pay exclusive of premium pay and non-wage fringe benefits. Some inclusions are the base pay rate, commissions and production bonuses. Some exclusions are overtime pay, tips, housing allowances and non-production bonuses. The survey collects hourly wage data in 11 wage intervals.

Interval Wages	Hourly Wages	Annual
Range A	Under \$6.75	Under \$14,040
Range B	\$6.75 to \$8.49	\$14,040 to \$17,679
Range C	\$8.50 to \$10.74	\$17,680 to \$22,359
Range D	\$10.75 to \$13.49	\$22,360 to \$28,079
Range E	\$13.50 to \$16.99	\$28,080 to \$35,359
Range F	\$17.00 to \$21.49	\$35,360 to \$44,719
Range G	\$21.50 to \$27.24	\$44,720 to \$56,679
Range H	\$27.25 to \$34.49	\$56,680 to \$71,759
Range I	\$34.50 to \$43.74	\$71,760 to \$90,999
Range J	\$43.75 to \$55.49	\$91,000 to \$115,439
Range K	\$55.50 to \$69.99	\$115,440 to \$145,599
Range L	\$70.00 and over	\$145,600 and over

Confidentiality of our sources (employers who responded) is a primary concern. Confidentiality restrictions are in place to prevent the release of data which could reveal the identity of an employer or an employer's pay scale.

The Wage Interval Data reflects the percentage distribution of responses across the wage intervals.

Prevailing Wages

The wages reported in this survey cannot be used as prevailing wages under the Davis-Bacon Act, the Service Contract Act (SCA) or the Alien Labor Certification (ALC) Program.

The Davis-Bacon Act requires construction contractors on publicly-funded contracts of more than \$2,000 to pay the local prevailing wage. If the contract is federally funded, those prevailing wages may be obtained from the US Department of Labor Wage and Hour Division office in Tulsa at (918) 496-6791. If the contract is state funded, contractors should contact the Prevailing Wage Unit of the Oklahoma Department of Labor in Oklahoma City at (405) 528-1500 ext. 214.

The Service Contract Act applies to every contract entered into by the United States or the District of Columbia in which the principal purpose is to furnish services in the United States through the use of service employees. Service contracts through government contract work which exceed \$2,500 are subject to the Service Contract Act. To obtain prevailing wages and information regarding SCA, visit the following web site: <http://edc.dws.state.ut.us>.

Alien Labor Certification (ALC) programs are generally designed to assure that the admission of aliens to work in this country on a permanent or temporary basis will not

adversely affect the job opportunities, wages and working conditions of U.S. workers. For information regarding the ALC program, contact the Oklahoma Employment Security Commission at (405) 557-7126.

Definitions

Mean Hourly Wage: The average value of a distribution – the weighted sum of all wages for a given occupation (see Notes below).

Mean Annual Wage: The average hourly wage multiplied by a year-round, full-time hours figure of 2,080 hours per year (52 weeks by 40 hours).

Median Hourly Wage: The midpoint of all wages – half of all wages are less than or equal to and half of all wages are greater than or equal to the median wage (see Notes below).

Median Range (Low and High Values): One quarter of the employees in the occupation earn more than the high end of this range, while one quarter earn less than the low end of the range. These wages represent the middle fifty percent of an occupation. In statistics, the low-end number marks the first quartile; the high-end marks the third quartile.

N.E.C.: A common acronym standing for “not elsewhere classified.”

Occupational Title: These titles are based on the Standard Occupational Code (SOC) classification system.

SOC Code: The Standard Occupational Code (SOC) used for classifying occupations.

Notes

Occupations which have workers who generally work less than the usual 2,080 hours per year will not have an average hourly or a median hourly wage reflected. Therefore, only the annual salary calculated directly from the data (rather than by multiplying an hourly figure by 2,080 hours) is reported for these occupations. Occupations that typically have a work year of less than 2,080 hours include musical and entertainment occupations, pilots and flight attendants, and teachers. These are noted in the data tables with a (*) under the appropriate category. In addition, a \$ indicates an occupation which as a wage greater then \$70.00 per hour or \$145,000 per year.

The average hourly range was calculated by averaging the first two-thirds and latter two-thirds of the wage distribution in order to obtain the low and high values, respectively.

Occupational Dictionary: Occupational definitions are provided in the dictionary for all occupations for which data has been released in at least one area in the state. However, data for a specific occupation is not necessarily available for all areas.

OCCUPATIONAL GROUPS

SOC Major Groups in Oklahoma:

- Management Occupations
- Business and Financial Operations Occupations
- Computer and Mathematical Occupations
- Architecture and Engineering Occupations
- Life, Physical and Social Science Occupations
- Community and Social Services Occupations
- Legal Occupations
- Education, Training and Library Occupations
- Arts, Design, Entertainment, Sports and Media Occupations
- Healthcare Practitioners and Technical Occupations
- Healthcare Support Occupations
- Protective Service Occupations
- Food Preparation and Serving Related Occupations
- Building and Grounds Cleaning and Maintenance Occupations
- Personal Care and Service Occupations
- Sales and Related Occupations
- Office and Administrative Support Occupations
- Farming, Fishing and Forestry Occupations
- Construction and Extraction Occupations
- Installation, Maintenance and Repair Occupations
- Production Occupations
- Transportation and Material Moving Occupations

INTRODUCTION

The 2003 Oklahoma Wage Report represents wage data collected as a result of a wage survey conducted in 1999, 2000 and 2001. To assist users in economic decisions, wage rates and definitions of specific occupations are reported in a series of publications for the state, metropolitan statistical areas (MSAs), labor market areas (LMAs) and workforce investment areas (WIAs).

This publication is intended to be one resource of information. It is suggested that readers consult other wage resources when researching wage information. These sources could include other wage surveys and job announcements.

While the focus of this publication is occupational wage rates, it is important to note that these rates can vary greatly by industry, firm size within an industry and region within the state. While wages are reported in various ways, these wages do not necessarily reflect experience or educational requirements.

When identifying wages for a particular occupation, it is important to be sure that the Standard Occupational Code (SOC) and title refer to the same occupation for which the reader is seeking wages. Some occupational titles can be misleading, as the SOC description may not match all jobs with similar titles.

Note that the wage data in this publication were collected from 1999, 2000 and 2001. When determining wage rates for individual occupations, it is important to assess current labor market conditions, such as labor shortages, that would also affect wage levels.

Methodology

The wage data presented in the 2003 Wage Report were collected through an annual survey measuring wage rates for payroll workers by industry. In Oklahoma, the survey samples over 5,000 establishments per year in all industries, taking two years to fully collect the sample of 10,00 establishments. This data is from the 1999, 2000 and 2001 survey. Wage rates for over 600 occupations are reported.

Employers report the number of employees in an occupation by each wage range. They may report wages based on hourly rates or annual rates. If they report an annual rate, employers provide a wage rate equivalent to full-time regardless of whether or not their employees work full-time. Wages represented are hourly rates.

Wages for this survey are straight-time gross pay exclusive of premium pay and non-wage fringe benefits. Some inclusions are the base pay rate, commissions and production bonuses. Some exclusions are overtime pay, tips, housing allowances and non-production bonuses. The survey collects hourly wage data in 11 wage intervals.

Interval Wages	Hourly Wages	Annual
Range A	Under \$6.75	Under \$14,040
Range B	\$6.75 to \$8.49	\$14,040 to \$17,679
Range C	\$8.50 to \$10.74	\$17,680 to \$22,359
Range D	\$10.75 to \$13.49	\$22,360 to \$28,079
Range E	\$13.50 to \$16.99	\$28,080 to \$35,359
Range F	\$17.00 to \$21.49	\$35,360 to \$44,719
Range G	\$21.50 to \$27.24	\$44,720 to \$56,679
Range H	\$27.25 to \$34.49	\$56,680 to \$71,759
Range I	\$34.50 to \$43.74	\$71,760 to \$90,999
Range J	\$43.75 to \$55.49	\$91,000 to \$115,439
Range K	\$55.50 to \$69.99	\$115,440 to \$145,599
Range L	\$70.00 and over	\$145,600 and over

Confidentiality of our sources (employers who responded) is a primary concern. Confidentiality restrictions are in place to prevent the release of data which could reveal the identity of an employer or an employer's pay scale.

The Wage Interval Data reflects the percentage distribution of responses across the wage intervals.

Prevailing Wages

The wages reported in this survey cannot be used as prevailing wages under the Davis-Bacon Act, the Service Contract Act (SCA) or the Alien Labor Certification (ALC) Program.

The Davis-Bacon Act requires construction contractors on publicly-funded contracts of more than \$2,000 to pay the local prevailing wage. If the contract is federally funded, those prevailing wages may be obtained from the US Department of Labor Wage and Hour Division office in Tulsa at (918) 496-6791. If the contract is state funded, contractors should contact the Prevailing Wage Unit of the Oklahoma Department of Labor in Oklahoma City at (405) 528-1500 ext. 214.

The Service Contract Act applies to every contract entered into by the United States or the District of Columbia in which the principal purpose is to furnish services in the United States through the use of service employees. Service contracts through government contract work which exceed \$2,500 are subject to the Service Contract Act. To obtain prevailing wages and information regarding SCA, visit the following web site: <http://edc.dws.state.ut.us>.

Alien Labor Certification (ALC) programs are generally designed to assure that the admission of aliens to work in this country on a permanent or temporary basis will not

adversely affect the job opportunities, wages and working conditions of U.S. workers. For information regarding the ALC program, contact the Oklahoma Employment Security Commission at (405) 557-7126.

Definitions

Mean Hourly Wage: The average value of a distribution – the weighted sum of all wages for a given occupation (see Notes below).

Mean Annual Wage: The average hourly wage multiplied by a year-round, full-time hours figure of 2,080 hours per year (52 weeks by 40 hours).

Median Hourly Wage: The midpoint of all wages – half of all wages are less than or equal to and half of all wages are greater than or equal to the median wage (see Notes below).

Median Range (Low and High Values): One quarter of the employees in the occupation earn more than the high end of this range, while one quarter earn less than the low end of the range. These wages represent the middle fifty percent of an occupation. In statistics, the low-end number marks the first quartile; the high-end marks the third quartile.

N.E.C.: A common acronym standing for “not elsewhere classified.”

Occupational Title: These titles are based on the Standard Occupational Code (SOC) classification system.

SOC Code: The Standard Occupational Code (SOC) used for classifying occupations.

Notes

Occupations which have workers who generally work less than the usual 2,080 hours per year will not have an average hourly or a median hourly wage reflected. Therefore, only the annual salary calculated directly from the data (rather than by multiplying an hourly figure by 2,080 hours) is reported for these occupations. Occupations that typically have a work year of less than 2,080 hours include musical and entertainment occupations, pilots and flight attendants, and teachers. These are noted in the data tables with a (*) under the appropriate category. In addition, a \$ indicates an occupation which as a wage greater then \$70.00 per hour or \$145,000 per year.

The average hourly range was calculated by averaging the first two-thirds and latter two-thirds of the wage distribution in order to obtain the low and high values, respectively.

Occupational Dictionary: Occupational definitions are provided in the dictionary for all occupations for which data has been released in at least one area in the state. However, data for a specific occupation is not necessarily available for all areas.

OCCUPATIONAL GROUPS

SOC Major Groups in Oklahoma:

- Management Occupations
- Business and Financial Operations Occupations
- Computer and Mathematical Occupations
- Architecture and Engineering Occupations
- Life, Physical and Social Science Occupations
- Community and Social Services Occupations
- Legal Occupations
- Education, Training and Library Occupations
- Arts, Design, Entertainment, Sports and Media Occupations
- Healthcare Practitioners and Technical Occupations
- Healthcare Support Occupations
- Protective Service Occupations
- Food Preparation and Serving Related Occupations
- Building and Grounds Cleaning and Maintenance Occupations
- Personal Care and Service Occupations
- Sales and Related Occupations
- Office and Administrative Support Occupations
- Farming, Fishing and Forestry Occupations
- Construction and Extraction Occupations
- Installation, Maintenance and Repair Occupations
- Production Occupations
- Transportation and Material Moving Occupations

Management Occupations



Statewide

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Management Occupations	11-0000	87,820	26.67	15.79	23.43	33.96	55,470
Chief Executives	11-1011	6,260	39.79	21.46	37.42	62.18	82,770
General and Operations Managers	11-1021	29,590	27.66	15.86	23.71	35.33	57,540
Legislators	11-1031	540	10.18	5.97	6.58	12.32	21,180
Advertising and Promotions Managers	11-2011	740	22.69	15.29	20.83	27.94	47,200
Marketing Managers	11-2021	1,390	29.34	18.99	26.30	37.70	61,020
Sales Managers	11-2022	3,670	30.42	18.23	27.19	39.75	63,270
Public Relations Managers	11-2031	650	22.28	15.86	19.84	26.98	46,350
Administrative Services Managers	11-3011	5,920	19.11	10.88	17.15	24.96	39,740
Computer and Information Systems Managers	11-3021	2,130	30.16	21.05	28.61	38.41	62,740
Financial Managers	11-3031	5,890	28.26	18.53	25.91	35.88	58,790
Human Resources Managers	11-3040	2,620	24.96	18.28	23.73	30.03	51,910
Industrial Production Managers	11-3051	2,190	27.58	19.54	25.81	34.46	57,360
Purchasing Managers	11-3061	1,280	25.17	17.07	23.12	30.68	52,350
Transportation, Storage, and Distribution Managers	11-3071	1,420	25.73	17.14	24.42	32.75	53,510
Farm, Ranch, and Other Agricultural Managers	11-9011	100	19.43	14.54	17.05	23.61	40,420
Construction Managers	11-9021	1,700	24.82	17.54	22.66	30.78	51,630
Education Administrators, Preschool and Child Care Center/Program	11-9031	790	13.86	8.70	11.77	16.17	28,830
Education Administrators, Elementary and Secondary School	11-9032	2,700	*	*	*	*	53,550
Education Administrators, Postsecondary	11-9033	1,370	25.28	17.49	23.73	32.72	52,590
Engineering Managers	11-9041	2,180	37.39	29.45	37.00	44.83	77,770
Food Service Managers	11-9051	4,150	14.05	10.31	13.70	16.79	29,230
Funeral Directors	11-9061	370	19.46	15.13	19.84	23.32	40,470
Gaming Managers	11-9071	50	15.84	10.69	13.52	19.68	32,950
Lodging Managers	11-9081	230	13.88	10.25	12.25	13.86	28,870
Medical and Health Services Managers	11-9111	3,110	27.86	20.19	25.29	32.18	57,950
Natural Sciences Managers	11-9121	440	27.27	18.77	24.90	34.05	56,730
Postmasters and Mail Superintendents	11-9131	570	21.25	18.15	20.62	24.98	44,190
Property, Real Estate, and Community Association Managers	11-9141	1,380	14.94	9.09	11.15	19.32	31,080
Social and Community Service Managers	11-9151	1,000	15.53	10.02	14.37	19.56	32,300

Business and Financial Operations Occupations



Statewide

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Business and Financial Operations Occupations	13-0000	44,980	20.42	14.15	19.04	25.50	42,460
Agents and Business Managers of Artists, Performers, and Athletes	13-1011	60	20.38	11.80	13.31	24.80	42,390
Purchasing Agents and Buyers, Farm Products	13-1021	180	17.63	10.89	16.49	21.41	36,660
Wholesale and Retail Buyers, Except Farm Products	13-1022	1,540	17.93	11.46	17.31	22.65	37,300
Purchasing Agents, Except Wholesale, Retail, and Farm Products	13-1023	2,550	19.07	13.53	17.92	24.18	39,660
Claims Adjusters, Examiners, and Investigators	13-1031	2,950	22.13	16.05	21.15	28.70	46,040
Insurance Appraisers, Auto Damage	13-1032	**	22.01	16.36	18.27	29.66	45,780
Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	13-1041	1,850	18.32	12.10	16.34	21.39	38,110
Cost Estimators	13-1051	1,610	20.42	14.85	19.54	24.57	42,470
Emergency Management Specialists	13-1061	350	15.74	13.42	15.11	16.79	32,740
Employment, Recruitment, and Placement Specialists	13-1071	1,430	16.21	11.88	15.02	19.76	33,710
Compensation, Benefits, and Job Analysis Specialists	13-1072	760	19.01	13.39	17.33	22.97	39,530
Training and Development Specialists	13-1073	2,220	17.51	12.00	16.45	21.61	36,420
Management Analysts	13-1111	3,070	24.71	17.61	23.50	30.93	51,400
Meeting and Convention Planners	13-1121	220	16.59	10.65	15.35	21.38	34,520
Accountants and Auditors	13-2011	9,800	19.69	14.43	18.40	23.31	40,940
Appraisers and Assessors of Real Estate	13-2021	620	13.96	9.81	11.75	16.92	29,040
Budget Analysts	13-2031	720	21.77	17.31	21.44	26.26	45,290
Credit Analysts	13-2041	740	17.30	12.33	15.37	20.27	35,990
Financial Analysts	13-2051	990	23.74	15.90	20.42	26.92	49,370
Personal Financial Advisors	13-2052	450	26.82	12.48	17.78	37.84	55,790
Insurance Underwriters	13-2053	560	19.05	14.44	17.74	22.05	39,620
Financial Examiners	13-2061	300	26.74	17.41	27.06	34.79	55,620
Loan Counselors	13-2071	280	13.73	11.35	13.05	15.92	28,550
Loan Officers	13-2072	2,610	20.80	13.90	19.20	26.46	43,270
Tax Examiners, Collectors, and Revenue Agents	13-2081	860	17.93	10.86	14.35	25.26	37,300
Tax Preparers	13-2082	320	15.99	9.17	13.92	22.42	33,260

Computer and Mathematical Occupations



Statewide

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Computer and Mathematical Occupations	15-0000	22,800	21.05	12.90	19.90	28.01	43,780
Computer and Information Scientists, Research	15-1011	130	28.09	23.28	27.93	31.79	58,440
Computer Programmers	15-1021	3,480	24.40	17.42	23.15	30.48	50,760
Computer Software Engineers, Applications	15-1031	2,000	26.52	20.38	26.72	32.48	55,160
Computer Software Engineers, Systems Software	15-1032	1,880	30.49	24.07	30.65	37.12	63,420
Computer Support Specialists	15-1041	6,240	12.94	8.83	11.42	15.39	26,910
Computer Systems Analysts	15-1051	3,320	23.57	17.71	24.15	29.92	49,030
Database Administrators	15-1061	920	22.61	15.88	20.82	29.23	47,030
Network and Computer Systems Administrators	15-1071	2,070	22.55	17.34	22.24	27.35	46,900
Network Systems and Data Communications Analysts	15-1081	1,100	20.39	13.77	18.08	26.00	42,410
Actuaries	15-2011	50	21.21	10.38	16.34	28.64	44,110
Operations Research Analysts	15-2031	330	22.42	17.18	21.16	26.29	46,630
Statisticians	15-2041	**	15.18	12.49	13.69	15.71	31,580

Architecture and Engineering Occupations



Statewide

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Architecture and Engineering Occupations	17-0000	22,430	24.34	16.96	22.95	30.46	50,630
Architects, Except Landscape and Naval	17-1011	190	27.69	24.13	26.82	31.12	57,600
Landscape Architects	17-1012	60	18.87	12.59	17.10	25.05	39,250
Cartographers and Photogrammetrists	17-1021	50	21.53	18.13	21.00	26.28	44,790
Surveyors	17-1022	**	15.83	8.46	13.51	21.06	32,930
Aerospace Engineers	17-2011	930	28.62	24.43	27.44	32.80	59,530
Agricultural Engineers	17-2021	**	28.95	24.37	27.90	33.27	60,210
Biomedical Engineers	17-2031	90	25.42	19.22	22.65	27.53	52,870
Chemical Engineers	17-2041	320	35.78	28.65	35.21	42.47	74,410
Civil Engineers	17-2051	1,150	31.31	23.38	28.70	34.35	65,120
Computer Hardware Engineers	17-2061	280	32.13	25.48	32.10	39.37	66,820
Electrical Engineers	17-2071	1,010	27.88	21.41	27.49	34.76	57,980
Electronics Engineers, Except Computer	17-2072	1,750	28.91	23.64	29.01	34.73	60,130
Environmental Engineers	17-2081	260	27.05	20.60	26.69	33.00	56,270
Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	17-2111	290	25.67	19.21	24.85	31.66	53,400
Industrial Engineers	17-2112	1,500	28.51	23.18	27.76	33.51	59,290
Materials Engineers	17-2131	220	27.50	20.45	28.77	33.91	57,210
Mechanical Engineers	17-2141	1,670	28.03	22.69	28.10	33.76	58,300
Mining and Geological Engineers, Including Mining Safety Engineers	17-2151	120	34.99	23.09	28.59	44.97	72,780
Petroleum Engineers	17-2171	750	42.92	34.00	42.64	53.89	89,280
Architectural and Civil Drafters	17-3011	610	17.73	13.85	16.90	20.60	36,880
Electrical and Electronics Drafters	17-3012	660	18.54	13.23	17.62	22.58	38,560
Mechanical Drafters	17-3013	1,040	18.07	13.69	17.56	21.44	37,580
Aerospace Engineering and Operations Technicians	17-3021	330	20.75	15.95	21.36	25.50	43,170
Civil Engineering Technicians	17-3022	330	18.79	15.29	17.92	21.62	39,090
Electrical and Electronic Engineering Technicians	17-3023	2,230	20.57	17.25	20.27	23.87	42,780
Electro-Mechanical Technicians	17-3024	470	20.97	17.16	20.55	24.81	43,620
Environmental Engineering Technicians	17-3025	220	16.06	11.32	14.88	19.92	33,410
Industrial Engineering Technicians	17-3026	730	18.89	13.92	19.05	23.69	39,300
Surveying and Mapping Technicians	17-3031	480	15.87	10.61	15.00	20.23	33,000



Life, Physical, and Social Science Occupations

Statewide

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Life, Physical, and Social Science Occupations	19-0000	11,820	20.37	13.47	17.37	24.71	42,370
Agricultural and Food Scientists	19-1010	70	25.33	18.96	24.85	31.34	52,690
Microbiologists	19-1022	60	21.98	18.26	20.26	24.30	45,720
Zoologists and Wildlife Biologists	19-1023	80	22.07	16.87	20.32	26.24	45,910
Conservation Scientists	19-1031	260	18.49	11.08	18.24	24.94	38,450
Foresters	19-1032	60	20.76	17.87	20.79	24.68	43,180
Medical Scientists, Except Epidemiologists	19-1042	330	23.61	15.96	20.75	27.38	49,110
Atmospheric and Space Scientists	19-2021	140	33.58	27.61	33.74	40.27	69,850
Chemists	19-2031	650	23.11	15.21	18.53	28.37	48,060
Materials Scientists	19-2032	80	34.65	26.75	32.97	44.15	72,070
Environmental Scientists and Specialists, Including Health	19-2041	390	23.24	16.19	20.66	26.53	48,330
Geoscientists, Except Hydrologists and Geographers	19-2042	740	40.58	28.21	43.47	52.51	84,410
Hydrologists	19-2043	80	26.71	20.98	25.96	32.35	55,550
Economists	19-3011	50	27.91	19.24	26.37	36.23	58,040
Market Research Analysts	19-3021	770	20.73	14.17	19.20	25.98	43,130
Survey Researchers	19-3022	**	16.65	15.39	16.40	17.45	34,630
Clinical, Counseling, and School Psychologists	19-3031	940	18.40	14.10	16.89	20.76	38,270
Sociologists	19-3041	70	21.96	18.21	22.75	25.42	45,680
Urban and Regional Planners	19-3051	170	22.98	15.90	21.54	29.26	47,800
Agricultural and Food Science Technicians	19-4011	**	13.86	11.03	13.35	16.32	28,830
Biological Technicians	19-4021	570	13.35	10.49	12.76	15.95	27,770
Chemical Technicians	19-4031	560	17.95	13.19	17.40	22.22	37,330
Geological and Petroleum Technicians	19-4041	1,010	18.75	13.83	17.46	22.18	38,990
Environmental Science and Protection Technicians, Including Health	19-4091	510	15.66	11.40	15.16	18.46	32,570
Forensic Science Technicians	19-4092	110	14.08	11.82	13.32	16.04	29,290
Forest and Conservation Technicians	19-4093	200	14.31	11.30	14.18	16.87	29,760



Community and Social Services Occupations

Statewide

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Community and Social Services Occupations	21-0000	18,800	13.35	9.25	13.15	16.38	27,760
Substance Abuse and Behavioral Disorder Counselors	21-1011	690	13.11	8.46	11.88	16.37	27,280
Educational, Vocational, and School Counselors	21-1012	3,190	16.99	13.56	17.06	20.49	35,340
Marriage and Family Therapists	21-1013	240	18.14	14.96	18.50	21.06	37,730
Mental Health Counselors	21-1014	1,020	14.17	10.89	13.29	16.85	29,480
Rehabilitation Counselors	21-1015	2,970	8.68	6.89	8.01	9.63	18,060
Child, Family, and School Social Workers	21-1021	3,930	13.63	11.76	13.90	15.71	28,340
Medical and Public Health Social Workers	21-1022	880	15.31	9.31	14.70	19.46	31,840
Mental Health and Substance Abuse Social Workers	21-1023	720	13.51	9.66	12.87	17.05	28,110
Health Educators	21-1091	660	12.46	9.27	11.18	15.25	25,920
Probation Officers and Correctional Treatment Specialists	21-1092	700	15.17	13.16	15.30	17.76	31,550
Social and Human Service Assistants	21-1093	2,160	11.03	7.63	11.24	14.31	22,930
Clergy	21-2011	160	16.71	12.68	15.53	17.87	34,760

Legal Occupations



Statewide

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Legal Occupations	23-0000	9,210	29.60	16.11	24.86	37.95	61,570
Lawyers	23-1011	5,100	37.87	24.34	32.73	50.41	78,770
Administrative Law Judges, Adjudicators, and Hearing Officers	23-1021	560	22.67	16.35	20.19	25.13	47,150
Judges, Magistrate Judges, and Magistrates	23-1023	440	38.34	32.85	39.26	47.17	79,750
Paralegals and Legal Assistants	23-2011	1,130	17.40	12.54	16.11	20.89	36,200
Court Reporters	23-2091	250	17.84	15.89	18.33	20.21	37,110
Law Clerks	23-2092	470	13.42	9.54	11.83	16.57	27,920
Title Examiners, Abstractors, and Searchers	23-2093	1,020	15.55	9.58	13.11	19.74	32,340



Education, Training, and Library Occupations

Statewide

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Education, Training, and Library Occupations	25-0000	97,570	14.83	10.44	14.88	18.35	30,850
Business Teachers, Postsecondary	25-1011	1,010	*	*	*	*	42,640
Computer Science Teachers, Postsecondary	25-1021	270	*	*	*	*	42,670
Mathematical Science Teachers, Postsecondary	25-1022	670	*	*	*	*	38,800
Engineering Teachers, Postsecondary	25-1032	380	*	*	*	*	56,590
Agricultural Sciences Teachers, Postsecondary	25-1041	110	*	*	*	*	44,580
Biological Science Teachers, Postsecondary	25-1042	530	*	*	*	*	44,060
Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	25-1051	**	*	*	*	*	38,620
Chemistry Teachers, Postsecondary	25-1052	190	*	*	*	*	43,330
Environmental Science Teachers, Postsecondary	25-1053	**	*	*	*	*	57,500
Physics Teachers, Postsecondary	25-1054	180	*	*	*	*	50,070
Anthropology and Archeology Teachers, Postsecondary	25-1061	100	*	*	*	*	62,600
Area, Ethnic, and Cultural Studies Teachers, Postsecondary	25-1062	40	*	*	*	*	36,560
Economics Teachers, Postsecondary	25-1063	110	*	*	*	*	43,040
Geography Teachers, Postsecondary	25-1064	40	*	*	*	*	45,930
Political Science Teachers, Postsecondary	25-1065	150	*	*	*	*	39,250
Psychology Teachers, Postsecondary	25-1066	390	*	*	*	*	41,100
Sociology Teachers, Postsecondary	25-1067	210	*	*	*	*	39,420
Health Specialties Teachers, Postsecondary	25-1071	**	*	*	*	*	44,520
Nursing Instructors and Teachers, Postsecondary	25-1072	520	*	*	*	*	41,350
Education Teachers, Postsecondary	25-1081	790	*	*	*	*	42,100
Library Science Teachers, Postsecondary	25-1082	70	*	*	*	*	48,140
Criminal Justice and Law Enforcement Teachers, Postsecondary	25-1111	90	*	*	*	*	36,720
Law Teachers, Postsecondary	25-1112	**	*	*	*	*	82,990
Social Work Teachers, Postsecondary	25-1113	60	*	*	*	*	35,780
Art, Drama, and Music Teachers, Postsecondary	25-1121	810	*	*	*	*	38,200
Communications Teachers, Postsecondary	25-1122	300	*	*	*	*	40,050
English Language and Literature Teachers, Postsecondary	25-1123	680	*	*	*	*	38,460
Foreign Language and Literature Teachers, Postsecondary	25-1124	260	*	*	*	*	37,980
History Teachers, Postsecondary	25-1125	280	*	*	*	*	43,640
Philosophy and Religion Teachers, Postsecondary	25-1126	240	*	*	*	*	39,390
Graduate Teaching Assistants	25-1191	1,050	*	*	*	*	17,500
Home Economics Teachers, Postsecondary	25-1192	**	*	*	*	*	34,130
Recreation and Fitness Studies Teachers, Postsecondary	25-1193	280	*	*	*	*	36,150
Vocational Education Teachers, Postsecondary	25-1194	2,850	17.97	14.30	17.97	21.13	37,380
Preschool Teachers, Except Special Education	25-2011	4,990	8.99	6.80	8.06	10.51	18,700
Kindergarten Teachers, Except Special Education	25-2012	2,640	*	*	*	*	28,480
Elementary School Teachers, Except Special Education	25-2021	19,900	*	*	*	*	31,920
Middle School Teachers, Except Special and Vocational Education	25-2022	8,130	*	*	*	*	33,770
Vocational Education Teachers, Middle School	25-2023	380	*	*	*	*	38,910
Secondary School Teachers, Except Special and Vocational	25-2031	14,510	*	*	*	*	33,590
Vocational Education Teachers, Secondary School	25-2032	1,800	*	*	*	*	39,750
Special Ed. Teachers, Preschool, Kindergarten, & Elementary	25-2041	2,310	*	*	*	*	34,540
Special Education Teachers, Middle School	25-2042	830	*	*	*	*	35,380
Special Education Teachers, Secondary School	25-2043	1,330	*	*	*	*	35,710
Adult Literacy, Remedial Education, and Ged Teachers and Self-Enrichment Education Teachers	25-3011	830	15.31	11.66	15.18	19.02	31,840
Archivists, Curators, and Museum Technicians	25-4010	120	15.68	11.09	14.13	19.79	32,610
Librarians	25-4021	2,180	16.57	13.62	16.51	19.93	34,460
Library Technicians	25-4031	1,290	8.35	6.45	7.89	9.90	17,360
Audio-Visual Collections Specialists	25-9011	70	14.95	9.46	14.27	20.49	31,090
Farm and Home Management Advisors	25-9021	**	20.22	17.77	20.98	24.08	42,050
Instructional Coordinators	25-9031	1,170	19.41	14.86	18.50	23.98	40,370
Teacher Assistants	25-9041	11,220	*	*	*	*	14,310

Arts, Design, Entertainment, Sports, and Media Occupations



Statewide

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Arts, Design, Entertainment, Sports, and Media Occupations	27-0000	12,990	14.49	8.68	12.65	17.59	30,130
Art Directors	27-1011	150	17.82	13.03	16.21	20.60	37,060
Fine Artists, Including Painters, Sculptors, and Illustrators	27-1013	40	18.03	11.05	17.69	23.02	37,510
Multi-Media Artists and Animators	27-1014	230	15.22	11.86	14.49	18.29	31,650
Commercial and Industrial Designers	27-1021	220	19.74	13.19	18.73	24.31	41,060
Fashion Designers	27-1022	40	12.40	9.40	12.31	16.04	25,790
Floral Designers	27-1023	850	9.23	7.59	8.56	10.31	19,210
Graphic Designers	27-1024	940	14.34	9.99	13.08	16.70	29,820
Interior Designers	27-1025	130	16.65	12.83	15.31	19.22	34,640
Merchandise Displayers and Window Trimmers	27-1026	440	11.97	8.17	10.64	15.44	24,890
Actors	27-2011	420	*	*	*	*	19,510
Producers and Directors	27-2012	430	*	*	*	*	38,790
Athletes and Sports Competitors	27-2021	60	*	*	*	*	35,260
Coaches and Scouts	27-2022	780	*	*	*	*	32,830
Umpires, Referees, and Other Sports Officials	27-2023	40	*	*	*	*	16,260
Choreographers	27-2032	140	11.45	7.03	10.76	14.99	23,820
Music Directors and Composers	27-2041	**	*	*	*	*	30,670
Musicians and Singers	27-2042	**	*	*	*	*	45,630
Announcers	27-3010	830	9.09	6.22	7.31	10.69	18,910
News Analysts, Reporters and Correspondents	27-3020	730	15.55	9.28	11.72	16.20	32,340
Public Relations Specialists	27-3031	1,520	16.30	12.36	15.02	19.77	33,900
Editors	27-3041	810	14.35	9.93	13.17	17.42	29,840
Technical Writers	27-3042	560	18.78	15.20	18.93	21.96	39,050
Writers and Authors	27-3043	340	17.24	13.01	16.82	21.10	35,850
Interpreters and Translators	27-3091	270	13.96	13.27	14.76	16.02	29,030
Audio and Video Equipment Technicians	27-4011	260	12.07	8.95	11.13	13.98	25,100
Broadcast Technicians	27-4012	220	13.68	9.41	12.43	16.08	28,460
Sound Engineering Technicians	27-4014	**	14.87	9.30	14.54	17.59	30,930
Photographers	27-4021	800	10.38	7.89	9.67	11.77	21,580
Camera Operators, Television, Video, and Motion Picture	27-4031	190	10.97	7.96	9.72	12.83	22,820
Film and Video Editors	27-4032	70	15.08	8.23	13.64	20.92	31,360



Healthcare Practitioners and Technical Occupations

Statewide

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Healthcare Practitioners and Technical Occupations	29-0000	67,970	21.23	11.92	16.90	24.03	44,170
Chiropractors	29-1011	80	43.49	25.39	32.64	#	90,460
Dentists	29-1020	1,290	55.14	40.74	#	#	114,700
Dietitians and Nutritionists	29-1031	500	17.52	9.65	16.89	20.98	36,440
Optometrists	29-1041	340	41.21	30.99	41.12	49.98	85,720
Pharmacists	29-1051	2,740	32.36	28.40	32.77	37.04	67,310
Anesthesiologists	29-1061	270	59.69	51.16	57.31	#	124,150
Family and General Practitioners	29-1062	2,180	58.77	47.94	#	#	122,240
Internists, General	29-1063	410	64.65	62.16	68.59	#	134,480
Obstetricians and Gynecologists	29-1064	50	65.59	65.13	#	#	136,420
Pediatricians, General	29-1065	140	62.47	59.79	65.09	#	129,940
Psychiatrists	29-1066	150	55.91	48.09	66.49	#	116,290
Surgeons	29-1067	960	69.69	#	#	#	144,960
Physician Assistants	29-1071	1,200	21.57	11.82	15.77	31.04	44,870
Registered Nurses	29-1111	20,080	20.07	16.84	19.74	23.03	41,740
Audiologists	29-1121	90	21.01	17.46	19.93	22.72	43,710
Occupational Therapists	29-1122	700	23.91	17.47	24.00	29.46	49,730
Physical Therapists	29-1123	1,390	27.38	22.65	26.08	32.22	56,950
Radiation Therapists	29-1124	150	21.73	17.25	20.96	25.37	45,200
Recreational Therapists	29-1125	300	14.19	9.83	14.00	16.90	29,510
Respiratory Therapists	29-1126	910	14.92	11.40	15.70	18.42	31,040
Speech-Language Pathologists	29-1127	990	22.07	15.70	18.88	23.90	45,900
Veterinarians	29-1131	530	28.36	16.67	24.62	38.30	58,990
Medical and Clinical Laboratory Technologists	29-2011	1,780	18.17	14.98	18.46	21.24	37,800
Medical and Clinical Laboratory Technicians	29-2012	1,380	12.94	9.79	12.46	15.58	26,920
Dental Hygienists	29-2021	1,240	23.96	22.96	24.91	26.85	49,830
Cardiovascular Technologists and Technicians	29-2031	390	12.77	9.27	10.68	15.37	26,570
Diagnostic Medical Sonographers	29-2032	320	21.63	18.19	22.31	25.56	44,980
Nuclear Medicine Technologists	29-2033	160	23.18	19.49	23.00	26.34	48,220
Radiologic Technologists and Technicians	29-2034	1,710	16.26	13.55	15.79	18.83	33,830
Emergency Medical Technicians and Paramedics	29-2041	2,650	9.67	7.26	9.52	11.74	20,110
Dietetic Technicians	29-2051	620	8.03	6.81	7.83	9.00	16,710
Pharmacy Technicians	29-2052	2,220	9.66	7.93	9.27	10.98	20,100
Psychiatric Technicians	29-2053	570	10.95	8.21	9.58	10.89	22,780
Respiratory Therapy Technicians	29-2054	360	14.33	11.24	13.92	16.63	29,800
Surgical Technologists	29-2055	1,050	13.04	10.39	12.50	14.90	27,130
Veterinary Technologists and Technicians	29-2056	630	10.69	8.74	10.24	12.82	22,230
Licensed Practical and Licensed Vocational Nurses	29-2061	12,540	12.56	10.67	12.30	13.84	26,130
Medical Records and Health Information Technicians	29-2071	1,900	10.82	8.13	10.30	12.78	22,500
Opticians, Dispensing	29-2081	470	11.60	8.06	10.41	12.74	24,130
Occupational Health and Safety Specialists and Technicians	29-9010	440	22.38	16.11	21.58	26.98	46,540
Athletic Trainers	29-9091	**	*	*	*	*	28,210

Healthcare Support Occupations



Statewide

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Healthcare Support Occupations	31-0000	42,060	8.72	7.06	8.21	9.89	18,150
Home Health Aides	31-1011	6,010	7.94	6.57	7.73	9.05	16,520
Nursing Aides, Orderlies, and Attendants	31-1012	22,150	7.80	6.81	7.70	8.65	16,220
Psychiatric Aides	31-1013	770	9.54	8.07	9.40	11.19	19,840
Occupational Therapist Assistants	31-2011	320	15.04	12.28	15.54	18.04	31,280
Occupational Therapist Aides	31-2012	180	8.01	7.33	7.86	8.38	16,670
Physical Therapist Assistants	31-2021	620	16.08	14.03	16.00	18.80	33,440
Physical Therapist Aides	31-2022	580	9.08	7.56	8.67	10.37	18,880
Massage Therapists	31-9011	**	14.81	7.72	17.84	19.75	30,790
Dental Assistants	31-9091	3,210	11.61	9.62	11.10	13.42	24,140
Medical Assistants	31-9092	3,650	9.80	8.28	9.57	10.95	20,390
Medical Equipment Preparers	31-9093	**	9.47	8.03	9.34	10.54	19,700
Medical Transcriptionists	31-9094	1,250	11.68	9.24	11.59	13.95	24,290
Pharmacy Aides	31-9095	710	7.98	6.81	7.85	8.94	16,590
Veterinary Assistants and Laboratory Animal Caretakers	31-9096	720	8.18	6.40	7.55	9.75	17,000

Protective Service Occupations



Statewide

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Protective Service Occupations	33-0000	32,290	13.00	8.67	11.90	16.03	27,050
First-Line Supervisors/Managers of Correctional Officers	33-1011	520	16.91	13.00	15.79	20.22	35,170
First-Line Supervisors/Managers of Police and Detectives	33-1012	830	18.91	12.90	18.28	23.10	39,340
First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	33-1021	750	18.37	14.53	16.53	21.35	38,200
Fire Fighters	33-2011	4,120	15.54	12.11	15.47	18.27	32,330
Fire Inspectors and Investigators	33-2021	110	18.74	13.48	18.73	21.88	38,980
Correctional Officers and Jailers	33-3012	3,670	9.95	8.19	9.28	10.58	20,700
Detectives and Criminal Investigators	33-3021	1,240	21.92	17.62	22.36	26.72	45,590
Fish and Game Wardens	33-3031	130	15.15	12.37	14.61	17.84	31,510
Parking Enforcement Workers	33-3041	100	12.50	10.56	13.12	15.20	26,010
Police and Sheriff's Patrol Officers	33-3051	7,690	14.08	10.15	13.23	17.08	29,290
Animal Control Workers	33-9011	170	9.95	6.63	9.69	11.89	20,700
Private Detectives and Investigators	33-9021	380	14.87	10.04	14.78	19.12	30,930
Gaming Surveillance Officers and Gaming Investigators	33-9031	70	9.41	7.47	8.28	9.77	19,570
Security Guards	33-9032	8,580	10.00	7.65	9.03	12.05	20,800
Crossing Guards	33-9091	410	10.45	6.78	12.01	13.35	21,740



Food Preparation and Serving Related Occupations

Statewide

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Food Preparation and Serving Related Occupations	35-0000	116,350	6.92	5.94	6.55	7.56	14,390
Chefs and Head Cooks	35-1011	1,440	10.29	7.01	8.87	11.44	21,410
First-Line Supervisors/Managers of Food Preparation and Serving Workers	35-1012	6,260	9.71	7.52	9.02	11.13	20,210
Cooks, Fast Food	35-2011	9,200	6.73	5.89	6.48	7.32	14,000
Cooks, Institution and Cafeteria	35-2012	9,560	7.14	6.08	6.80	8.05	14,850
Cooks, Restaurant	35-2014	6,470	7.53	6.46	7.48	8.42	15,660
Cooks, Short Order	35-2015	4,630	6.71	5.85	6.41	7.13	13,960
Food Preparation Workers	35-2021	6,250	6.88	5.99	6.63	7.69	14,320
Bartenders	35-3011	**	6.26	5.69	6.15	6.61	13,010
Combined Food Preparation and Serving Workers, Including Fast Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	35-3021	28,740	6.57	5.88	6.45	7.21	13,660
Waiters and Waitresses	35-3022	4,650	6.46	5.85	6.35	6.87	13,430
Food Servers, Nonrestaurant	35-3031	21,140	6.59	5.86	6.37	6.92	13,700
Dining Room and Cafeteria Attendants and Bartender Helpers	35-3041	2,870	6.88	5.87	6.45	7.45	14,300
Dishwashers	35-9011	2,880	6.53	5.94	6.51	7.14	13,580
Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	35-9021	4,850	6.53	5.91	6.44	7.04	13,580
	35-9031	2,470	6.75	5.93	6.51	7.40	14,040



Building and Grounds Cleaning and Maintenance Occupations

Statewide

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Building and Grounds Cleaning and Maintenance Occupations	37-0000	43,930	8.05	6.40	7.50	8.89	16,750
First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	37-1011	1,990	11.52	8.44	10.67	13.26	23,970
First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	37-1012	730	12.24	8.93	11.20	14.81	25,470
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	37-2011	22,050	7.84	6.39	7.45	8.68	16,300
Maids and Housekeeping Cleaners	37-2012	10,310	6.92	6.07	6.75	7.77	14,390
Pest Control Workers	37-2021	160	9.20	6.93	8.65	11.53	19,140
Landscaping and Groundskeeping Workers	37-3011	7,050	8.56	6.78	8.10	9.74	17,810
Pesticide Handlers, Sprayers, and Applicators, Vegetation	37-3012	140	9.68	7.01	9.00	11.62	20,130
Tree Trimmers and Pruners	37-3013	710	10.06	8.61	9.88	11.19	20,920

Personal Care and Service Occupations



Statewide

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Personal Care and Service Occupations	39-0000	24,430	8.71	6.29	7.30	9.19	18,120
Gaming Supervisors	39-1011	120	10.51	8.28	10.60	12.80	21,860
Slot Key Persons	39-1012	80	8.48	6.53	7.97	10.32	17,630
First-Line Supervisors/Managers of Personal Service Workers	39-1021	760	11.92	8.76	10.74	13.43	24,780
Animal Trainers	39-2011	70	11.69	6.16	9.25	18.94	24,310
Nonfarm Animal Caretakers	39-2021	1,100	8.69	6.55	8.13	10.29	18,080
Motion Picture Projectionists	39-3021	70	6.78	5.75	6.30	7.17	14,090
Ushers, Lobby Attendants, and Ticket Takers	39-3031	490	6.28	5.83	6.30	6.78	13,060
Amusement and Recreation Attendants	39-3091	1,110	7.22	6.03	6.69	7.76	15,010
Costume Attendants	39-3092	**	12.83	12.30	13.08	13.85	26,690
Locker Room, Coatroom, and Dressing Room Attendants	39-3093	230	7.80	6.58	7.59	8.69	16,230
Embalmers	39-4011	200	11.77	9.61	10.40	11.52	24,480
Funeral Attendants	39-4021	480	8.11	6.89	7.78	8.74	16,860
Barbers	39-5011	240	9.94	7.43	8.54	10.92	20,670
Hairdressers, Hairstylists, and Cosmetologists	39-5012	2,270	8.95	6.96	8.21	10.14	18,610
Manicurists and Pedicurists	39-5092	60	8.02	6.42	7.45	9.49	16,670
Skin Care Specialists	39-5094	60	9.48	6.53	7.74	9.91	19,710
Baggage Porters and Bellhops	39-6011	260	6.36	5.85	6.34	6.85	13,230
Concierges	39-6012	**	6.91	5.96	6.70	7.86	14,380
Tour Guides and Escorts	39-6021	80	7.44	5.86	6.56	8.27	15,480
Travel Guides	39-6022	**	14.24	13.53	14.87	16.17	29,610
Transportation Attendants, Except Flight Attendants and Baggage Porters	39-6032	**	8.34	7.47	8.38	9.47	17,350
Child Care Workers	39-9011	4,320	6.70	5.94	6.52	7.25	13,930
Personal and Home Care Aides	39-9021	5,060	7.01	6.08	6.86	7.82	14,590
Fitness Trainers and Aerobics Instructors	39-9031	1,490	10.49	6.84	9.95	13.11	21,820
Recreation Workers	39-9032	2,110	8.18	6.47	7.41	8.96	17,020
Residential Advisors	39-9041	510	8.11	6.43	7.72	9.16	16,870

Sales and Related Occupations



Statewide

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Sales and Related Occupations	41-0000	147,030	11.30	6.46	8.22	12.80	23,500
First-Line Supervisors/Managers of Retail Sales Workers	41-1011	14,270	13.47	8.98	11.63	15.99	28,010
First-Line Supervisors/Managers of Non-Retail Sales Workers	41-1012	2,450	20.42	13.19	17.93	25.21	42,460
Cashiers	41-2011	39,120	6.76	5.90	6.49	7.34	14,050
Gaming Change Persons and Booth Cashiers	41-2012	560	7.07	6.22	7.12	8.01	14,700
Counter and Rental Clerks	41-2021	4,610	8.89	6.47	8.16	10.61	18,500
Parts Salespersons	41-2022	3,900	10.45	7.27	9.36	12.36	21,740
Retail Salespersons	41-2031	45,440	9.47	6.38	7.80	10.49	19,700
Advertising Sales Agents	41-3011	1,270	15.85	8.96	12.77	19.08	32,960
Insurance Sales Agents	41-3021	3,330	21.47	12.42	16.37	25.86	44,650
Securities, Commodities, and Financial Services Sales Agents	41-3031	1,370	31.13	16.26	22.52	45.85	64,760
Travel Agents	41-3041	890	11.01	8.45	10.26	12.86	22,910
Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	41-4011	3,450	25.43	17.21	22.52	31.62	52,890
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	41-4012	12,020	19.30	12.84	17.38	23.02	40,150
Demonstrators and Product Promoters	41-9011	620	11.02	7.62	8.85	13.53	22,910
Real Estate Brokers	41-9021	550	36.07	17.36	23.78	63.33	75,030
Real Estate Sales Agents	41-9022	1,200	14.73	7.54	10.55	20.50	30,640
Sales Engineers	41-9031	510	25.64	16.08	24.43	32.35	53,330
Telemarketers	41-9041	7,520	7.82	6.52	7.61	8.67	16,260
Door-To-Door Sales Workers, News and Street Vendors, and Related Workers	41-9091	180	17.00	9.29	14.26	22.21	35,350



Office and Administrative Support Occupations

Statewide

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Office and Administrative Support Occupations	43-0000	256,300	11.24	8.11	10.23	13.29	23,390
First-Line Supervisors/Managers of Office and Administrative Support Workers	43-1011	14,810	17.04	11.60	15.43	20.73	35,450
Switchboard Operators, Including Answering Service	43-2011	2,230	9.41	7.40	9.08	10.72	19,580
Telephone Operators	43-2021	290	13.27	9.35	15.21	16.87	27,600
Bill and Account Collectors	43-3011	4,450	11.21	8.88	10.42	12.95	23,320
Billing and Posting Clerks and Machine Operators	43-3021	6,180	10.71	8.78	10.20	12.17	22,280
Bookkeeping, Accounting, and Auditing Clerks	43-3031	19,650	11.48	9.00	11.00	13.35	23,880
Payroll and Timekeeping Clerks	43-3051	2,760	11.98	9.38	11.55	14.01	24,920
Procurement Clerks	43-3061	1,300	13.93	11.09	13.96	16.53	28,970
Tellers	43-3071	7,200	8.76	7.44	8.64	10.05	18,220
Brokerage Clerks	43-4011	260	12.50	10.10	12.28	14.85	25,990
Correspondence Clerks	43-4021	560	11.80	9.58	11.63	13.70	24,540
Court, Municipal, and License Clerks	43-4031	1,360	10.84	9.07	10.57	12.37	22,540
Credit Authorizers, Checkers, and Clerks	43-4041	1,280	11.39	8.42	9.90	12.91	23,690
Customer Service Representatives	43-4051	22,090	11.52	8.77	10.70	13.51	23,970
Eligibility Interviewers, Government Programs	43-4061	1,070	12.93	9.61	12.47	15.48	26,890
File Clerks	43-4071	3,570	9.31	6.99	8.54	10.96	19,360
Hotel, Motel, and Resort Desk Clerks	43-4081	1,860	7.23	6.32	7.28	8.21	15,030
Interviewers, Except Eligibility and Loan	43-4111	1,320	9.29	7.40	8.89	10.80	19,330
Library Assistants, Clerical	43-4121	1,420	8.28	6.30	7.70	9.56	17,210
Loan Interviewers and Clerks	43-4131	1,690	12.22	9.41	11.45	13.89	25,410
New Accounts Clerks	43-4141	890	10.78	9.05	10.46	12.28	22,430
Order Clerks	43-4151	2,870	11.07	8.02	10.18	13.29	23,020
Human Resources Assistants, Except Payroll and Timekeeping	43-4161	1,580	12.58	9.94	12.15	14.72	26,160
Receptionists and Information Clerks	43-4171	11,680	9.32	7.54	8.95	10.70	19,380
Cargo and Freight Agents	43-5011	550	12.58	9.24	11.54	14.73	26,170
Couriers and Messengers	43-5021	880	8.46	6.90	7.90	9.01	17,600
Police, Fire, and Ambulance Dispatchers	43-5031	1,840	9.37	7.12	8.37	11.07	19,480
Dispatchers, Except Police, Fire, and Ambulance	43-5032	2,530	13.41	9.67	11.91	16.46	27,890
Meter Readers, Utilities	43-5041	1,110	10.43	8.02	9.97	12.38	21,700
Postal Service Clerks	43-5051	620	18.76	17.84	19.06	20.28	39,010
Postal Service Mail Carriers	43-5052	4,440	17.98	16.05	18.33	20.20	37,400
Postal Service Mail Sorters, Processors, and Processing Machine Operators	43-5053	1,560	14.68	10.31	15.48	18.85	30,540
Production, Planning, and Expediting Clerks	43-5061	3,450	15.79	10.66	14.37	19.23	32,830
Shipping, Receiving, and Traffic Clerks	43-5071	7,910	10.35	7.86	9.76	12.23	21,520
Stock Clerks and Order Fillers	43-5081	17,490	9.47	6.71	8.28	10.95	19,700
Weighers, Measurers, Checkers, and Samplers, Recordkeeping	43-5111	1,100	11.57	9.03	10.82	13.33	24,080
Executive Secretaries and Administrative Assistants	43-6011	13,360	13.43	10.28	12.70	15.88	27,930
Legal Secretaries	43-6012	1,900	12.67	10.43	12.47	15.03	26,360
Medical Secretaries	43-6013	3,230	10.02	8.63	9.68	10.75	20,840
Secretaries, Except Legal, Medical, and Executive	43-6014	25,800	10.07	7.75	9.71	12.00	20,940
Computer Operators	43-9011	2,220	12.03	8.63	10.85	14.48	25,030
Data Entry Keyers	43-9021	3,850	9.70	7.99	9.43	10.85	20,180
Word Processors and Typists	43-9022	1,170	10.06	7.44	9.40	11.99	20,920
Desktop Publishers	43-9031	160	12.00	7.88	11.59	14.45	24,960
Insurance Claims and Policy Processing Clerks	43-9041	2,130	13.98	9.78	12.94	16.72	29,080
Mail Clerks and Mail Machine Operators, Except Postal Service	43-9051	1,740	9.14	7.49	8.60	10.58	19,010
Office Clerks, General	43-9061	35,170	9.42	7.33	8.90	10.91	19,590
Office Machine Operators, Except Computer	43-9071	1,080	10.36	7.62	9.28	12.82	21,550
Proofreaders and Copy Markers	43-9081	220	10.14	7.21	9.34	11.56	21,100
Statistical Assistants	43-9111	80	11.44	8.80	11.28	13.48	23,780



Farming, Fishing, and Forestry Occupations

Statewide

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Farming, Fishing, and Forestry Occupations	45-0000	3,720	9.73	6.54	8.21	11.27	20,240
First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	45-1011	200	15.96	10.57	15.42	19.45	33,190
Agricultural Inspectors	45-2011	290	12.38	9.21	12.25	15.24	25,750
Graders and Sorters, Agricultural Products	45-2041	290	10.08	7.65	9.51	11.43	20,970
Agricultural Equipment Operators	45-2091	90	8.30	7.12	7.97	9.08	17,270
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	45-2092	670	7.01	5.92	6.62	8.01	14,580
Farmworkers, Farm and Ranch Animals	45-2093	1,210	7.72	6.23	7.06	8.94	16,060
Logging Equipment Operators	45-4022	550	14.17	8.75	14.12	18.35	29,470



Construction and Extraction Occupations

Statewide

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Construction and Extraction Occupations	47-0000	76,650	13.67	9.87	12.41	16.62	28,440
First-Line Supervisors/Managers of Construction Trades and Extraction Workers	47-1011	5,980	20.62	15.35	20.20	25.18	42,880
Boilermakers	47-2011	350	12.29	8.98	10.54	15.41	25,560
Brickmasons and Blockmasons	47-2021	420	17.46	14.27	18.81	21.38	36,330
Carpenters	47-2031	5,640	12.56	9.48	11.92	15.24	26,120
Carpet Installers	47-2041	110	12.13	8.96	11.29	14.20	25,230
Floor Layers, Except Carpet, Wood, and Hard Tiles	47-2042	190	13.75	9.82	11.59	18.94	28,590
Floor Sanders and Finishers	47-2043	**	13.28	11.03	13.09	15.51	27,620
Tile and Marble Setters	47-2044	130	13.47	9.70	11.18	18.17	28,020
Cement Masons and Concrete Finishers	47-2051	2,390	12.12	9.70	11.61	14.24	25,220
Construction Laborers	47-2061	10,190	10.57	8.74	10.58	12.24	22,000
Paving, Surfacing, and Tamping Equipment Operators	47-2071	1,160	11.59	9.60	10.85	12.98	24,110
Pile-Driver Operators	47-2072	**	17.24	10.49	14.40	24.32	35,850
Operating Engineers and Other Construction Equipment Operators	47-2073	3,220	13.25	10.86	12.67	15.23	27,560
Drywall and Ceiling Tile Installers	47-2081	1,200	14.59	12.44	14.74	16.71	30,340
Tapers	47-2082	200	14.95	14.19	15.25	16.27	31,100
Electricians	47-2111	6,350	17.21	13.04	17.13	20.59	35,790
Glaziers	47-2121	570	11.56	9.36	11.34	13.47	24,050
Insulation Workers	47-2130	1,010	14.60	10.44	13.20	19.67	30,360
Painters, Construction and Maintenance	47-2141	2,710	12.13	9.30	11.84	14.59	25,230
Paperhangers	47-2142	40	12.07	9.25	11.25	14.27	25,100
Pipelayers	47-2151	810	11.46	9.44	10.80	13.17	23,840
Plumbers, Pipefitters, and Steamfitters	47-2152	4,610	16.34	11.71	15.93	20.53	33,990
Plasterers and Stucco Masons	47-2161	230	15.73	13.87	15.62	17.30	32,710
Reinforcing Iron and Rebar Workers	47-2171	250	16.29	12.30	16.35	20.02	33,880
Roofers	47-2181	910	12.54	9.26	11.75	14.97	26,080
Sheet Metal Workers	47-2211	3,320	16.33	12.01	16.79	20.38	33,970
Structural Iron and Steel Workers	47-2221	1,410	13.73	9.95	12.16	17.26	28,550
Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	47-3011	320	10.35	9.27	10.18	11.24	21,540
Helpers--Carpenters	47-3012	830	10.20	8.03	9.84	12.03	21,220
Helpers--Electricians	47-3013	1,770	11.01	9.00	10.70	12.94	22,900
Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	47-3014	300	8.18	6.94	7.86	8.86	17,010
Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	47-3015	990	10.37	8.16	10.36	12.44	21,580
Helpers--Roofers	47-3016	310	10.51	7.80	10.00	13.00	21,870
Construction and Building Inspectors	47-4011	1,530	16.07	13.34	16.40	19.12	33,420
Elevator Installers and Repairers	47-4021	**	20.70	19.18	20.86	22.62	43,060
Fence Erectors	47-4031	210	11.09	8.34	10.33	13.05	23,070
Hazardous Materials Removal Workers	47-4041	390	13.12	11.56	12.75	13.91	27,290
Highway Maintenance Workers	47-4051	4,720	9.79	8.17	9.55	11.06	20,370
Rail-Track Laying and Maintenance Equipment Operators	47-4061	100	13.48	10.42	14.30	16.80	28,030
Septic Tank Servicers and Sewer Pipe Cleaners	47-4071	260	13.92	10.56	13.06	16.33	28,960
Derrick Operators, Oil and Gas	47-5011	2,010	12.35	10.22	11.48	14.04	25,690
Rotary Drill Operators, Oil and Gas	47-5012	1,240	14.46	11.31	13.36	16.42	30,070
Service Unit Operators, Oil, Gas, and Mining	47-5013	900	17.98	13.22	17.45	20.40	37,390
Earth Drillers, Except Oil and Gas	47-5021	590	13.00	9.48	12.97	16.34	27,030
Explosives Workers, Ordnance Handling Experts, and Blasters	47-5031	220	14.66	12.17	13.90	16.84	30,490
Continuous Mining Machine Operators	47-5041	40	12.48	9.75	11.96	13.69	25,970
Rock Splitters, Quarry	47-5051	50	17.30	11.56	12.88	23.98	35,990
Roustabouts, Oil and Gas	47-5071	2,920	11.81	9.44	11.10	13.61	24,550
Helpers--Extraction Workers	47-5081	1,330	12.34	9.93	11.17	13.47	25,670



Installation, Maintenance, and Repair Occupations

Statewide

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Installation, Maintenance, and Repair Occupations	49-0000	71,060	15.03	10.20	14.19	19.27	31,260
First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	49-1011	4,910	21.05	15.45	20.56	26.31	43,790
Computer, Automated Teller, and Office Machine Repairers	49-2011	2,700	13.80	8.89	13.18	17.63	28,700
Radio Mechanics	49-2021	50	15.25	10.48	13.81	19.98	31,710
Telecommunications Equipment Installers and Repairers, Except Line Installers	49-2022	3,650	21.46	18.80	22.22	25.50	44,630
Avionics Technicians	49-2091	690	17.40	14.39	18.17	20.23	36,200
Electric Motor, Power Tool, and Related Repairers	49-2092	290	14.09	9.43	13.68	17.02	29,320
Electrical and Electronics Installers and Repairers, Transportation Equipment	49-2093	130	18.69	14.78	18.54	22.57	38,880
Electrical and Electronics Repairers, Commercial and Industrial Equipment	49-2094	1,610	16.06	11.96	15.90	20.06	33,410
Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	49-2095	410	21.80	18.97	23.72	26.04	45,340
Electronic Equipment Installers and Repairers, Motor Vehicles	49-2096	300	13.21	9.18	12.14	17.21	27,470
Electronic Home Entertainment Equipment Installers and Repairers	49-2097	630	12.06	9.46	12.01	14.40	25,080
Security and Fire Alarm Systems Installers	49-2098	220	11.79	8.06	10.47	15.07	24,520
Aircraft Mechanics and Service Technicians	49-3011	5,410	17.12	13.64	17.46	20.21	35,620
Automotive Body and Related Repairers	49-3021	2,250	14.89	11.39	14.66	17.21	30,980
Automotive Glass Installers and Repairers	49-3022	180	12.99	10.55	12.50	15.43	27,020
Automotive Service Technicians and Mechanics	49-3023	7,970	12.80	8.68	11.69	16.08	26,620
Bus and Truck Mechanics and Diesel Engine Specialists	49-3031	3,230	14.46	11.40	14.10	16.92	30,080
Farm Equipment Mechanics	49-3041	600	10.47	7.82	9.13	12.73	21,770
Mobile Heavy Equipment Mechanics, Except Engines	49-3042	1,120	14.74	12.07	14.13	17.01	30,670
Rail Car Repairers	49-3043	40	18.80	16.81	19.25	21.30	39,110
Motorboat Mechanics	49-3051	160	11.63	8.70	10.66	13.86	24,190
Motorcycle Mechanics	49-3052	130	12.76	8.46	11.49	15.86	26,550
Outdoor Power Equipment and Other Small Engine Mechanics	49-3053	**	7.84	5.73	6.30	8.61	16,310
Recreational Vehicle Service Technicians	49-3092	140	13.38	10.68	13.53	15.85	27,830
Tire Repairers and Changers	49-3093	1,360	8.35	7.35	8.06	9.02	17,370
Mechanical Door Repairers	49-9011	250	12.12	9.93	11.66	13.04	25,210
Control and Valve Installers and Repairers, Except Mechanical Door	49-9012	1,100	18.15	15.38	18.52	20.99	37,740
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	49-9021	1,770	14.47	11.05	13.89	17.33	30,090
Home Appliance Repairers	49-9031	380	13.22	9.56	12.39	16.23	27,490
Industrial Machinery Mechanics	49-9041	2,760	15.82	12.62	15.73	18.89	32,920
Maintenance and Repair Workers, General	49-9042	12,370	12.26	9.08	11.33	14.86	25,510
Maintenance Workers, Machinery	49-9043	2,090	14.98	10.68	14.57	18.90	31,160
Millwrights	49-9044	690	15.02	9.36	13.75	19.72	31,230
Refractory Materials Repairers, Except Brickmasons	49-9045	**	14.87	12.04	13.55	16.42	30,930
Electrical Power-Line Installers and Repairers	49-9051	1,390	19.32	15.29	19.76	23.74	40,180
Telecommunications Line Installers and Repairers	49-9052	3,240	17.75	11.71	18.45	24.17	36,910
Camera and Photographic Equipment Repairers	49-9061	50	17.99	9.09	16.90	26.84	37,430
Medical Equipment Repairers	49-9062	200	17.51	12.03	17.61	21.85	36,430
Musical Instrument Repairers and Tuners	49-9063	30	12.86	8.59	10.03	13.78	26,750
Watch Repairers	49-9064	40	10.92	6.76	8.45	14.14	22,710
Coin, Vending, and Amusement Machine Servicers and Repairers	49-9091	310	13.55	9.72	12.37	15.93	28,190
Fabric Menders, Except Garment	49-9093	60	14.55	10.59	14.97	18.34	30,270
Locksmiths and Safe Repairers	49-9094	**	14.54	13.78	14.89	16.05	30,240
Manufactured Building and Mobile Home Installers	49-9095	**	12.99	10.10	11.50	14.21	27,030
Riggers	49-9096	200	19.00	15.65	19.59	22.50	39,520
Helpers--Installation, Maintenance, and Repair Workers	49-9098	2,570	10.74	7.37	9.22	12.49	22,340



Production Occupations

Statewide

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Production Occupations	51-0000	134,470	12.63	8.45	10.98	15.67	26,270
First-Line Supervisors/Managers of Production and Operating	51-1011	7,610	19.59	14.19	18.63	23.92	40,760
Coil Winders, Tapers, and Finishers	51-2021	260	11.59	9.52	11.23	13.81	24,110
Electrical and Electronic Equipment Assemblers	51-2022	1,850	10.68	8.78	10.68	12.85	22,210
Electromechanical Equipment Assemblers	51-2023	1,280	10.67	9.41	10.35	11.30	22,200
Structural Metal Fabricators and Fitters	51-2041	1,780	12.20	9.71	12.10	14.24	25,370
Fiberglass Laminators and Fabricators	51-2091	**	14.51	8.88	11.89	17.40	30,170
Team Assemblers	51-2092	14,720	11.64	8.17	10.11	14.19	24,220
Bakers	51-3011	1,160	8.24	6.82	7.93	9.14	17,140
Butchers and Meat Cutters	51-3021	1,560	10.25	7.96	9.91	12.29	21,320
Meat, Poultry, and Fish Cutters and Trimmers	51-3022	2,620	9.12	7.89	8.87	10.10	18,960
Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	51-3091	200	10.35	8.24	10.30	12.44	21,530
Food Batchmakers	51-3092	1,050	9.61	7.06	9.71	11.88	20,000
Food Cooking Machine Operators and Tenders	51-3093	370	9.22	8.10	9.49	10.47	19,170
Computer-Controlled Machine Tool Operators, Metal and Plastic	51-4011	1,980	12.69	9.98	12.55	15.34	26,390
Numerical Tool and Process Control Programmers	51-4012	260	15.66	10.19	16.60	20.12	32,570
Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	51-4021	780	11.66	8.18	11.46	13.93	24,250
Forging Machine Setters, Operators, and Tenders, Metal and Plastic	51-4022	500	10.58	7.78	9.40	13.32	22,010
Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	51-4023	500	10.58	8.14	9.49	12.90	22,010
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	51-4031	3,630	11.05	8.52	10.60	13.20	22,980
Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4032	460	12.82	10.76	12.78	14.79	26,670
Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4033	1,290	12.53	8.61	11.42	15.55	26,050
Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4034	930	11.91	8.64	11.90	14.83	24,760
Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	51-4035	360	12.97	11.53	12.88	14.59	26,980
Machinists	51-4041	5,710	14.17	10.51	14.14	16.92	29,470
Metal-Refining Furnace Operators and Tenders	51-4051	290	12.11	9.66	11.06	13.16	25,180
Pourers and Casters, Metal	51-4052	160	13.99	11.13	13.78	16.01	29,100
Patternmakers, Metal and Plastic	51-4062	70	11.92	9.68	11.89	14.49	24,780
Foundry Mold and Coremakers	51-4071	250	10.99	8.92	10.86	12.90	22,860
Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	51-4072	610	10.15	7.99	9.82	11.27	21,110
Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4081	1,530	12.35	9.72	12.02	14.79	25,690
Tool and Die Makers	51-4111	710	20.60	17.15	20.02	23.52	42,850
Welders, Cutters, Solderers, and Brazers	51-4121	8,680	13.33	10.35	12.73	15.53	27,720
Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	51-4122	1,840	12.76	9.62	12.47	15.46	26,540
Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	51-4191	340	14.70	10.48	13.64	17.15	30,570
Lay-Out Workers, Metal and Plastic	51-4192	170	13.44	9.51	12.25	16.67	27,950
Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	51-4193	610	12.29	9.21	11.50	14.82	25,560
Tool Grinders, Filers, and Sharpeners	51-4194	370	11.36	8.07	10.03	14.49	23,620
Bindery Workers	51-5011	960	8.63	6.48	7.69	10.17	17,950
Job Printers	51-5021	580	12.48	9.62	11.97	15.10	25,960
Prepress Technicians and Workers	51-5022	800	12.76	9.09	12.34	15.75	26,540
Printing Machine Operators	51-5023	1,900	12.04	8.95	11.55	15.12	25,040
Laundry and Dry-Cleaning Workers	51-6011	3,270	7.17	6.08	6.77	8.00	14,910

Production Occupations



Statewide

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Pressers, Textile, Garment, and Related Materials	51-6021	980	6.74	6.03	6.64	7.41	14,030
Sewing Machine Operators	51-6031	3,310	8.47	6.98	8.27	9.92	17,610
Shoe and Leather Workers and Repairers	51-6041	40	7.28	6.14	6.82	8.40	15,130
Sewers, Hand	51-6051	130	9.74	8.23	9.68	11.02	20,260
Tailors, Dressmakers, and Custom Sewers	51-6052	180	9.23	7.33	9.21	10.81	19,210
Textile Cutting Machine Setters, Operators, and Tenders	51-6062	240	9.08	7.29	8.63	10.55	18,890
Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	51-6091	310	11.39	8.30	11.43	14.09	23,700
Fabric and Apparel Patternmakers	51-6092	80	9.11	6.78	8.00	10.90	18,950
Upholsterers	51-6093	430	9.35	6.78	8.12	11.37	19,440
Cabinetmakers and Bench Carpenters	51-7011	1,570	11.07	8.56	10.93	13.28	23,030
Furniture Finishers	51-7021	150	11.13	8.68	10.92	13.29	23,140
Sawing Machine Setters, Operators, and Tenders, Wood	51-7041	540	11.53	7.83	10.20	14.54	23,980
Woodworking Machine Setters, Operators, and Tenders, Except Power Distributors and Dispatchers	51-7042	540	10.58	8.65	10.60	12.51	22,000
Power Plant Operators	51-8012	370	19.33	11.70	18.96	25.47	40,210
Stationary Engineers and Boiler Operators	51-8013	420	22.36	19.71	23.19	25.86	46,510
Water and Liquid Waste Treatment Plant and System Operators	51-8021	450	17.54	14.12	16.61	20.59	36,480
Chemical Plant and System Operators	51-8031	2,110	10.82	8.58	10.22	12.73	22,510
Gas Plant Operators	51-8091	730	19.45	16.17	19.30	22.14	40,470
Petroleum Pump System Operators, Refinery Operators, and Gaugers	51-8092	370	18.21	14.42	19.00	22.22	37,880
Chemical Equipment Operators and Tenders	51-8093	1,390	19.87	15.29	19.98	25.01	41,330
Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	51-9011	230	16.07	14.14	16.14	18.22	33,430
Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	51-9012	320	13.81	10.37	13.68	17.80	28,720
Grinding and Polishing Workers, Hand	51-9021	510	10.23	8.60	9.84	11.04	21,270
Mixing and Blending Machine Setters, Operators, and Tenders	51-9022	390	10.93	8.83	10.11	12.18	22,730
Cutters and Trimmers, Hand	51-9023	1,070	14.68	10.85	13.63	18.30	30,530
Cutting and Slicing Machine Setters, Operators, and Tenders	51-9031	220	11.32	7.82	9.73	14.99	23,540
Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	51-9032	620	11.16	8.39	11.31	13.68	23,210
Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	51-9041	840	11.51	8.64	10.46	13.18	23,940
Inspectors, Testers, Sorters, Samplers, and Weighers	51-9051	450	15.21	11.60	16.10	19.16	31,640
Jewelers and Precious Stone and Metal Workers	51-9061	7,000	15.09	10.46	14.78	19.33	31,380
Dental Laboratory Technicians	51-9071	210	14.29	10.58	14.69	16.98	29,720
Medical Appliance Technicians	51-9081	370	12.54	9.79	12.59	14.94	26,090
Ophthalmic Laboratory Technicians	51-9082	50	14.47	10.77	14.45	16.80	30,090
Packaging and Filling Machine Operators and Tenders	51-9083	**	9.73	9.13	9.90	10.67	20,240
Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	51-9111	3,780	9.26	7.37	8.82	11.03	19,250
Painters, Transportation Equipment	51-9121	1,260	12.78	9.76	12.98	15.90	26,570
Painting, Coating, and Decorating Workers	51-9122	930	13.19	10.12	12.38	15.93	27,430
Photographic Process Workers	51-9123	380	11.31	8.36	10.22	13.02	23,520
Photographic Processing Machine Operators	51-9131	370	8.52	6.52	8.44	10.26	17,730
Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	51-9132	790	7.41	6.24	7.11	8.36	15,410
Cooling and Freezing Equipment Operators and Tenders	51-9192	350	9.49	8.42	9.37	10.38	19,730
Etchers and Engravers	51-9193	90	11.11	9.17	10.50	13.15	23,110
Molders, Shapers, and Casters, Except Metal and Plastic	51-9194	80	9.71	7.38	8.78	11.42	20,200
Paper Goods Machine Setters, Operators, and Tenders	51-9195	260	10.45	8.31	10.00	11.93	21,730
Helpers--Production Workers	51-9196	970	13.42	9.75	12.78	18.05	27,910
	51-9198	6,700	9.20	7.08	8.35	10.42	19,130



Transportation and Material Moving Occupations

Statewide

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Transportation and Material Moving Occupations	53-0000	105,160	12.13	7.30	9.83	13.89	25,230
Aircraft Cargo Handling Supervisors	53-1011	110	14.92	12.05	14.56	16.73	31,040
First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	53-1021	1,650	16.59	11.51	15.37	21.26	34,510
First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	53-1031	2,070	19.95	14.07	19.24	25.00	41,490
Airline Pilots, Copilots, and Flight Engineers	53-2011	2,200	*	*	*	*	106,570
Commercial Pilots	53-2012	170	*	*	*	*	55,180
Air Traffic Controllers	53-2021	350	31.92	21.13	32.14	41.21	66,380
Airfield Operations Specialists	53-2022	80	24.59	16.78	26.46	31.85	51,150
Ambulance Drivers and Attendants, Except Emergency Medical Technicians	53-3011	130	7.21	6.00	6.60	8.00	14,990
Bus Drivers, Transit and Intercity	53-3021	1,270	10.55	7.45	10.32	13.45	21,940
Bus Drivers, School	53-3022	5,730	7.51	6.05	6.74	8.77	15,610
Driver/Sales Workers	53-3031	4,840	10.70	6.69	9.72	13.04	22,260
Truck Drivers, Heavy and Tractor-Trailer	53-3032	22,220	14.61	10.61	13.59	17.25	30,380
Truck Drivers, Light Or Delivery Services	53-3033	11,330	9.94	7.17	8.79	11.35	20,670
Taxi Drivers and Chauffeurs	53-3041	860	7.83	6.59	7.78	9.11	16,280
Locomotive Engineers	53-4011	**	22.53	19.38	22.02	25.88	46,870
Railroad Brake, Signal, and Switch Operators	53-4021	110	14.44	9.10	10.99	17.00	30,030
Railroad Conductors and Yardmasters	53-4031	**	22.06	18.53	21.13	25.11	45,890
Parking Lot Attendants	53-6021	710	6.72	5.86	6.45	7.43	13,970
Service Station Attendants	53-6031	1,230	7.50	6.22	7.00	8.74	15,590
Traffic Technicians	53-6041	70	14.36	10.12	14.84	18.21	29,870
Transportation Inspectors	53-6051	340	27.73	22.02	26.59	37.38	57,670
Conveyor Operators and Tenders	53-7011	500	10.08	7.10	9.05	12.60	20,960
Crane and Tower Operators	53-7021	570	16.62	12.62	15.91	19.84	34,580
Dredge Operators	53-7031	80	13.37	9.68	12.84	17.00	27,800
Excavating and Loading Machine and Dragline Operators	53-7032	1,280	12.53	10.46	12.20	13.86	26,050
Loading Machine Operators, Underground Mining	53-7033	90	9.99	9.23	10.24	11.22	20,780
Hoist and Winch Operators	53-7041	110	13.99	10.20	13.06	16.98	29,110
Industrial Truck and Tractor Operators	53-7051	5,020	11.58	9.21	10.81	13.30	24,080
Cleaners of Vehicles and Equipment	53-7061	3,800	8.39	6.27	7.50	9.52	17,450
Laborers and Freight, Stock, and Material Movers, Hand	53-7062	22,090	9.02	7.01	8.22	10.22	18,760
Machine Feeders and Offbearers	53-7063	790	10.34	7.97	9.48	12.56	21,520
Packers and Packagers, Hand	53-7064	5,870	7.69	6.22	7.14	8.60	16,000
Gas Compressor and Gas Pumping Station Operators	53-7071	330	20.16	17.86	21.14	24.69	41,930
Pump Operators, Except Wellhead Pumpers	53-7072	570	12.11	6.30	11.69	15.20	25,190
Wellhead Pumpers	53-7073	920	17.81	12.91	18.57	22.35	37,050
Refuse and Recyclable Material Collectors	53-7081	3,010	8.66	6.50	7.69	10.42	18,010



Alphabetical Listing: Statewide Wage Data

Statewide: Alphabetical

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Accountants and Auditors	13-2011	9,800	19.69	14.43	18.40	23.31	40,940
Actors	27-2011	420	*	*	*	*	19,510
Actuaries	15-2011	50	21.21	10.38	16.34	28.64	44,110
Administrative Law Judges, Adjudicators, and Hearing Officers	23-1021	560	22.67	16.35	20.19	25.13	47,150
Administrative Services Managers	11-3011	5,920	19.11	10.88	17.15	24.96	39,740
Adult Literacy, Remedial Education, and Ged Teachers and Instructors	25-3011	830	15.31	11.66	15.18	19.02	31,840
Advertising and Promotions Managers	11-2011	740	22.69	15.29	20.83	27.94	47,200
Advertising Sales Agents	41-3011	1,270	15.85	8.96	12.77	19.08	32,960
Aerospace Engineering and Operations Technicians	17-3021	330	20.75	15.95	21.36	25.50	43,170
Aerospace Engineers	17-2011	930	28.62	24.43	27.44	32.80	59,530
Agents and Business Managers of Artists, Performers, Athletes	13-1011	60	20.38	11.80	13.31	24.80	42,390
Agricultural and Food Science Technicians	19-4011	**	13.86	11.03	13.35	16.32	28,830
Agricultural and Food Scientists	19-1010	70	25.33	18.96	24.85	31.34	52,690
Agricultural Engineers	17-2021	**	28.95	24.37	27.90	33.27	60,210
Agricultural Equipment Operators	45-2091	90	8.30	7.12	7.97	9.08	17,270
Agricultural Inspectors	45-2011	290	12.38	9.21	12.25	15.24	25,750
Agricultural Sciences Teachers, Postsecondary	25-1041	110	*	*	*	*	44,580
Air Traffic Controllers	53-2021	350	31.92	21.13	32.14	41.21	66,380
Aircraft Cargo Handling Supervisors	53-1011	110	14.92	12.05	14.56	16.73	31,040
Aircraft Mechanics and Service Technicians	49-3011	5,410	17.12	13.64	17.46	20.21	35,620
Airfield Operations Specialists	53-2022	80	24.59	16.78	26.46	31.85	51,150
Airline Pilots, Copilots, and Flight Engineers	53-2011	2,200	*	*	*	*	106,570
Ambulance Drivers and Attendants, Except Emergency Medical Technicians	53-3011	130	7.21	6.00	6.60	8.00	14,990
Amusement and Recreation Attendants	39-3091	1,110	7.22	6.03	6.69	7.76	15,010
Anesthesiologists	29-1061	270	59.69	51.16	57.31	#	124,150
Animal Control Workers	33-9011	170	9.95	6.63	9.69	11.89	20,700
Animal Trainers	39-2011	70	11.69	6.16	9.25	18.94	24,310
Announcers	27-3010	830	9.09	6.22	7.31	10.69	18,910
Anthropology and Archeology Teachers, Postsecondary	25-1061	100	*	*	*	*	62,600
Appraisers and Assessors of Real Estate	13-2021	620	13.96	9.81	11.75	16.92	29,040
Architects, Except Landscape and Naval	17-1011	190	27.69	24.13	26.82	31.12	57,600
Architectural and Civil Drafters	17-3011	610	17.73	13.85	16.90	20.60	36,880
Architecture and Engineering Occupations	17-0000	22,430	24.34	16.96	22.95	30.46	50,630
Archivists, Curators, and Museum Technicians	25-4010	120	15.68	11.09	14.13	19.79	32,610
Area, Ethnic, and Cultural Studies Teachers, Postsecondary	25-1062	40	*	*	*	*	36,560
Art Directors	27-1011	150	17.82	13.03	16.21	20.60	37,060
Art, Drama, and Music Teachers, Postsecondary	25-1121	810	*	*	*	*	38,200
Arts, Design, Entertainment, Sports, and Media Occupations	27-0000	12,990	14.49	8.68	12.65	17.59	30,130
Athletes and Sports Competitors	27-2021	60	*	*	*	*	35,260
Athletic Trainers	29-9091	**	*	*	*	*	28,210
Atmospheric and Space Scientists	19-2021	140	33.58	27.61	33.74	40.27	69,850
Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	25-1051	**	*	*	*	*	38,620
Audio and Video Equipment Technicians	27-4011	260	12.07	8.95	11.13	13.98	25,100
Audiologists	29-1121	90	21.01	17.46	19.93	22.72	43,710
Audio-Visual Collections Specialists	25-9011	70	14.95	9.46	14.27	20.49	31,090
Automotive Body and Related Repairers	49-3021	2,250	14.89	11.39	14.66	17.21	30,980
Automotive Glass Installers and Repairers	49-3022	180	12.99	10.55	12.50	15.43	27,020
Automotive Service Technicians and Mechanics	49-3023	7,970	12.80	8.68	11.69	16.08	26,620
Avionics Technicians	49-2091	690	17.40	14.39	18.17	20.23	36,200
Baggage Porters and Bellhops	39-6011	260	6.36	5.85	6.34	6.85	13,230

Alphabetical Listing: Statewide Wage Data



Statewide: Alphabetical

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Bakers	51-3011	1,160	8.24	6.82	7.93	9.14	17,140
Barbers	39-5011	240	9.94	7.43	8.54	10.92	20,670
Bartenders	35-3011	**	6.26	5.69	6.15	6.61	13,010
Bill and Account Collectors	43-3011	4,450	11.21	8.88	10.42	12.95	23,320
Billing and Posting Clerks and Machine Operators	43-3021	6,180	10.71	8.78	10.20	12.17	22,280
Bindery Workers	51-5011	960	8.63	6.48	7.69	10.17	17,950
Biological Science Teachers, Postsecondary	25-1042	530	*	*	*	*	44,060
Biological Technicians	19-4021	570	13.35	10.49	12.76	15.95	27,770
Biomedical Engineers	17-2031	90	25.42	19.22	22.65	27.53	52,870
Boilermakers	47-2011	350	12.29	8.98	10.54	15.41	25,560
Bookkeeping, Accounting, and Auditing Clerks	43-3031	19,650	11.48	9.00	11.00	13.35	23,880
Brickmasons and Blockmasons	47-2021	420	17.46	14.27	18.81	21.38	36,330
Broadcast Technicians	27-4012	220	13.68	9.41	12.43	16.08	28,460
Brokerage Clerks	43-4011	260	12.50	10.10	12.28	14.85	25,990
Budget Analysts	13-2031	720	21.77	17.31	21.44	26.26	45,290
Building and Grounds Cleaning and Maintenance Occupations	37-0000	43,930	8.05	6.40	7.50	8.89	16,750
Bus and Truck Mechanics and Diesel Engine Specialists	49-3031	3,230	14.46	11.40	14.10	16.92	30,080
Bus Drivers, School	53-3022	5,730	7.51	6.05	6.74	8.77	15,610
Bus Drivers, Transit and Intercity	53-3021	1,270	10.55	7.45	10.32	13.45	21,940
Business and Financial Operations Occupations	13-0000	44,980	20.42	14.15	19.04	25.50	42,460
Business Teachers, Postsecondary	25-1011	1,010	*	*	*	*	42,640
Butchers and Meat Cutters	51-3021	1,560	10.25	7.96	9.91	12.29	21,320
Cabinetmakers and Bench Carpenters	51-7011	1,570	11.07	8.56	10.93	13.28	23,030
Camera and Photographic Equipment Repairers	49-9061	50	17.99	9.09	16.90	26.84	37,430
Camera Operators, Television, Video, and Motion Picture	27-4031	190	10.97	7.96	9.72	12.83	22,820
Cardiovascular Technologists and Technicians	29-2031	390	12.77	9.27	10.68	15.37	26,570
Cargo and Freight Agents	43-5011	550	12.58	9.24	11.54	14.73	26,170
Carpenters	47-2031	5,640	12.56	9.48	11.92	15.24	26,120
Carpet Installers	47-2041	110	12.13	8.96	11.29	14.20	25,230
Cartographers and Photogrammetrists	17-1021	50	21.53	18.13	21.00	26.28	44,790
Cashiers	41-2011	39,120	6.76	5.90	6.49	7.34	14,050
Cement Masons and Concrete Finishers	47-2051	2,390	12.12	9.70	11.61	14.24	25,220
Chefs and Head Cooks	35-1011	1,440	10.29	7.01	8.87	11.44	21,410
Chemical Engineers	17-2041	320	35.78	28.65	35.21	42.47	74,410
Chemical Equipment Operators and Tenders	51-9011	230	16.07	14.14	16.14	18.22	33,430
Chemical Plant and System Operators	51-8091	730	19.45	16.17	19.30	22.14	40,470
Chemical Technicians	19-4031	560	17.95	13.19	17.40	22.22	37,330
Chemistry Teachers, Postsecondary	25-1052	190	*	*	*	*	43,330
Chemists	19-2031	650	23.11	15.21	18.53	28.37	48,060
Chief Executives	11-1011	6,260	39.79	21.46	37.42	62.18	82,770
Child Care Workers	39-9011	4,320	6.70	5.94	6.52	7.25	13,930
Child, Family, and School Social Workers	21-1021	3,930	13.63	11.76	13.90	15.71	28,340
Chiropractors	29-1011	80	43.49	25.39	32.64	#	90,460
Choreographers	27-2032	140	11.45	7.03	10.76	14.99	23,820
Civil Engineering Technicians	17-3022	330	18.79	15.29	17.92	21.62	39,090
Civil Engineers	17-2051	1,150	31.31	23.38	28.70	34.35	65,120
Claims Adjusters, Examiners, and Investigators	13-1031	2,950	22.13	16.05	21.15	28.70	46,040
Cleaners of Vehicles and Equipment	53-7061	3,800	8.39	6.27	7.50	9.52	17,450
Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	51-9192	350	9.49	8.42	9.37	10.38	19,730
Clergy	21-2011	160	16.71	12.68	15.53	17.87	34,760



Alphabetical Listing: Statewide Wage Data

Statewide: Alphabetical

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Clinical, Counseling, and School Psychologists	19-3031	940	18.40	14.10	16.89	20.76	38,270
Coaches and Scouts	27-2022	780	*	*	*	*	32,830
Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	51-9121	1,260	12.78	9.76	12.98	15.90	26,570
Coil Winders, Tapers, and Finishers	51-2021	260	11.59	9.52	11.23	13.81	24,110
Coin, Vending, and Amusement Machine Servicers and Repairers	49-9091	310	13.55	9.72	12.37	15.93	28,190
Combined Food Preparation and Serving Workers, Including Fast Food	35-3021	28,740	6.57	5.88	6.45	7.21	13,660
Commercial and Industrial Designers	27-1021	220	19.74	13.19	18.73	24.31	41,060
Commercial Pilots	53-2012	170	*	*	*	*	55,180
Communications Teachers, Postsecondary	25-1122	300	*	*	*	*	40,050
Community and Social Services Occupations	21-0000	18,800	13.35	9.25	13.15	16.38	27,760
Compensation, Benefits, and Job Analysis Specialists	13-1072	760	19.01	13.39	17.33	22.97	39,530
Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	13-1041	1,850	18.32	12.10	16.34	21.39	38,110
Computer and Information Scientists, Research	15-1011	130	28.09	23.28	27.93	31.79	58,440
Computer and Information Systems Managers	11-3021	2,130	30.16	21.05	28.61	38.41	62,740
Computer and Mathematical Occupations	15-0000	22,800	21.05	12.90	19.90	28.01	43,780
Computer Hardware Engineers	17-2061	280	32.13	25.48	32.10	39.37	66,820
Computer Operators	43-9011	2,220	12.03	8.63	10.85	14.48	25,030
Computer Programmers	15-1021	3,480	24.40	17.42	23.15	30.48	50,760
Computer Science Teachers, Postsecondary	25-1021	270	*	*	*	*	42,670
Computer Software Engineers, Applications	15-1031	2,000	26.52	20.38	26.72	32.48	55,160
Computer Software Engineers, Systems Software	15-1032	1,880	30.49	24.07	30.65	37.12	63,420
Computer Support Specialists	15-1041	6,240	12.94	8.83	11.42	15.39	26,910
Computer Systems Analysts	15-1051	3,320	23.57	17.71	24.15	29.92	49,030
Computer, Automated Teller, and Office Machine Repairers	49-2011	2,700	13.80	8.89	13.18	17.63	28,700
Computer-Controlled Machine Tool Operators, Metal and Plastic	51-4011	1,980	12.69	9.98	12.55	15.34	26,390
Concierges	39-6012	**	6.91	5.96	6.70	7.86	14,380
Conservation Scientists	19-1031	260	18.49	11.08	18.24	24.94	38,450
Construction and Building Inspectors	47-4011	1,530	16.07	13.34	16.40	19.12	33,420
Construction and Extraction Occupations	47-0000	76,650	13.67	9.87	12.41	16.62	28,440
Construction Laborers	47-2061	10,190	10.57	8.74	10.58	12.24	22,000
Construction Managers	11-9021	1,700	24.82	17.54	22.66	30.78	51,630
Continuous Mining Machine Operators	47-5041	40	12.48	9.75	11.96	13.69	25,970
Control and Valve Installers and Repairers, Except Mechanical Door	49-9012	1,100	18.15	15.38	18.52	20.99	37,740
Conveyor Operators and Tenders	53-7011	500	10.08	7.10	9.05	12.60	20,960
Cooks, Fast Food	35-2011	9,200	6.73	5.89	6.48	7.32	14,000
Cooks, Institution and Cafeteria	35-2012	9,560	7.14	6.08	6.80	8.05	14,850
Cooks, Restaurant	35-2014	6,470	7.53	6.46	7.48	8.42	15,660
Cooks, Short Order	35-2015	4,630	6.71	5.85	6.41	7.13	13,960
Cooling and Freezing Equipment Operators and Tenders	51-9193	90	11.11	9.17	10.50	13.15	23,110
Correctional Officers and Jailers	33-3012	3,670	9.95	8.19	9.28	10.58	20,700
Correspondence Clerks	43-4021	560	11.80	9.58	11.63	13.70	24,540
Cost Estimators	13-1051	1,610	20.42	14.85	19.54	24.57	42,470
Costume Attendants	39-3092	**	12.83	12.30	13.08	13.85	26,690
Counter and Rental Clerks	41-2021	4,610	8.89	6.47	8.16	10.61	18,500
Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	35-3022	4,650	6.46	5.85	6.35	6.87	13,430
Couriers and Messengers	43-5021	880	8.46	6.90	7.90	9.01	17,600
Court Reporters	23-2091	250	17.84	15.89	18.33	20.21	37,110
Court, Municipal, and License Clerks	43-4031	1,360	10.84	9.07	10.57	12.37	22,540
Crane and Tower Operators	53-7021	570	16.62	12.62	15.91	19.84	34,580
Credit Analysts	13-2041	740	17.30	12.33	15.37	20.27	35,990



Alphabetical Listing: Statewide Wage Data

Statewide: Alphabetical

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Credit Authorizers, Checkers, and Clerks	43-4041	1,280	11.39	8.42	9.90	12.91	23,690
Criminal Justice and Law Enforcement Teachers, Postsecondary	25-1111	90	*	*	*	*	36,720
Crossing Guards	33-9091	410	10.45	6.78	12.01	13.35	21,740
Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	51-9021	510	10.23	8.60	9.84	11.04	21,270
Customer Service Representatives	43-4051	22,090	11.52	8.77	10.70	13.51	23,970
Cutters and Trimmers, Hand	51-9031	220	11.32	7.82	9.73	14.99	23,540
Cutting and Slicing Machine Setters, Operators, and Tenders	51-9032	620	11.16	8.39	11.31	13.68	23,210
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	51-4031	3,630	11.05	8.52	10.60	13.20	22,980
Data Entry Keyers	43-9021	3,850	9.70	7.99	9.43	10.85	20,180
Database Administrators	15-1061	920	22.61	15.88	20.82	29.23	47,030
Demonstrators and Product Promoters	41-9011	620	11.02	7.62	8.85	13.53	22,910
Dental Assistants	31-9091	3,210	11.61	9.62	11.10	13.42	24,140
Dental Hygienists	29-2021	1,240	23.96	22.96	24.91	26.85	49,830
Dental Laboratory Technicians	51-9081	370	12.54	9.79	12.59	14.94	26,090
Dentists	29-1020	1,290	55.14	40.74	#	#	114,700
Derrick Operators, Oil and Gas	47-5011	2,010	12.35	10.22	11.48	14.04	25,690
Desktop Publishers	43-9031	160	12.00	7.88	11.59	14.45	24,960
Detectives and Criminal Investigators	33-3021	1,240	21.92	17.62	22.36	26.72	45,590
Diagnostic Medical Sonographers	29-2032	320	21.63	18.19	22.31	25.56	44,980
Dietetic Technicians	29-2051	620	8.03	6.81	7.83	9.00	16,710
Dietitians and Nutritionists	29-1031	500	17.52	9.65	16.89	20.98	36,440
Dining Room and Cafeteria Attendants and Bartender Helpers	35-9011	2,880	6.53	5.94	6.51	7.14	13,580
Dishwashers	35-9021	4,850	6.53	5.91	6.44	7.04	13,580
Dispatchers, Except Police, Fire, and Ambulance	43-5032	2,530	13.41	9.67	11.91	16.46	27,890
Door-To-Door Sales Workers, News and Street Vendors, and Related Workers	41-9091	180	17.00	9.29	14.26	22.21	35,350
Dredge Operators	53-7031	80	13.37	9.68	12.84	17.00	27,800
Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4032	460	12.82	10.76	12.78	14.79	26,670
Driver/Sales Workers	53-3031	4,840	10.70	6.69	9.72	13.04	22,260
Drywall and Ceiling Tile Installers	47-2081	1,200	14.59	12.44	14.74	16.71	30,340
Earth Drillers, Except Oil and Gas	47-5021	590	13.00	9.48	12.97	16.34	27,030
Economics Teachers, Postsecondary	25-1063	110	*	*	*	*	43,040
Economists	19-3011	50	27.91	19.24	26.37	36.23	58,040
Editors	27-3041	810	14.35	9.93	13.17	17.42	29,840
Education Administrators, Elementary and Secondary School	11-9032	2,700	*	*	*	*	53,550
Education Administrators, Postsecondary	11-9033	1,370	25.28	17.49	23.73	32.72	52,590
Education Administrators, Preschool and Child Care	11-9031	790	13.86	8.70	11.77	16.17	28,830
Education Teachers, Postsecondary	25-1081	790	*	*	*	*	42,100
Education, Training, and Library Occupations	25-0000	97,570	14.83	10.44	14.88	18.35	30,850
Educational, Vocational, and School Counselors	21-1012	3,190	16.99	13.56	17.06	20.49	35,340
Electric Motor, Power Tool, and Related Repairers	49-2092	290	14.09	9.43	13.68	17.02	29,320
Electrical and Electronic Engineering Technicians	17-3023	2,230	20.57	17.25	20.27	23.87	42,780
Electrical and Electronic Equipment Assemblers	51-2022	1,850	10.68	8.78	10.68	12.85	22,210
Electrical and Electronics Drafters	17-3012	660	18.54	13.23	17.62	22.58	38,560
Electrical and Electronics Installers and Repairers, Transportation Equipment	49-2093	130	18.69	14.78	18.54	22.57	38,880
Electrical and Electronics Repairers, Commercial and Industrial Equipment	49-2094	1,610	16.06	11.96	15.90	20.06	33,410
Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	49-2095	410	21.80	18.97	23.72	26.04	45,340
Electrical Engineers	17-2071	1,010	27.88	21.41	27.49	34.76	57,980
Electrical Power-Line Installers and Repairers	49-9051	1,390	19.32	15.29	19.76	23.74	40,180
Electricians	47-2111	6,350	17.21	13.04	17.13	20.59	35,790
Electromechanical Equipment Assemblers	51-2023	1,280	10.67	9.41	10.35	11.30	22,200

Alphabetical Listing: Statewide Wage Data



Statewide: Alphabetical

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Electro-Mechanical Technicians	17-3024	470	20.97	17.16	20.55	24.81	43,620
Electronic Equipment Installers and Repairers, Motor Vehicles	49-2096	300	13.21	9.18	12.14	17.21	27,470
Electronic Home Entertainment Equipment Installers and Repairers	49-2097	630	12.06	9.46	12.01	14.40	25,080
Electronics Engineers, Except Computer	17-2072	1,750	28.91	23.64	29.01	34.73	60,130
Elementary School Teachers, Except Special Education	25-2021	19,900	*	*	*	*	31,920
Elevator Installers and Repairers	47-4021	**	20.70	19.18	20.86	22.62	43,060
Eligibility Interviewers, Government Programs	43-4061	1,070	12.93	9.61	12.47	15.48	26,890
Embalmers	39-4011	200	11.77	9.61	10.40	11.52	24,480
Emergency Management Specialists	13-1061	350	15.74	13.42	15.11	16.79	32,740
Emergency Medical Technicians and Paramedics	29-2041	2,650	9.67	7.26	9.52	11.74	20,110
Employment, Recruitment, and Placement Specialists	13-1071	1,430	16.21	11.88	15.02	19.76	33,710
Engineering Managers	11-9041	2,180	37.39	29.45	37.00	44.83	77,770
Engineering Teachers, Postsecondary	25-1032	380	*	*	*	*	56,590
English Language and Literature Teachers, Postsecondary	25-1123	680	*	*	*	*	38,460
Environmental Engineering Technicians	17-3025	220	16.06	11.32	14.88	19.92	33,410
Environmental Engineers	17-2081	260	27.05	20.60	26.69	33.00	56,270
Environmental Science and Protection Technicians, Including Health	19-4091	510	15.66	11.40	15.16	18.46	32,570
Environmental Science Teachers, Postsecondary	25-1053	**	*	*	*	*	57,500
Environmental Scientists and Specialists, Including Health	19-2041	390	23.24	16.19	20.66	26.53	48,330
Etchers and Engravers	51-9194	80	9.71	7.38	8.78	11.42	20,200
Excavating and Loading Machine and Dragline Operators	53-7032	1,280	12.53	10.46	12.20	13.86	26,050
Executive Secretaries and Administrative Assistants	43-6011	13,360	13.43	10.28	12.70	15.88	27,930
Explosives Workers, Ordnance Handling Experts, and Blasters	47-5031	220	14.66	12.17	13.90	16.84	30,490
Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	51-4021	780	11.66	8.18	11.46	13.93	24,250
Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	51-6091	310	11.39	8.30	11.43	14.09	23,700
Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	51-9041	840	11.51	8.64	10.46	13.18	23,940
Fabric and Apparel Patternmakers	51-6092	80	9.11	6.78	8.00	10.90	18,950
Fabric Menders, Except Garment	49-9093	60	14.55	10.59	14.97	18.34	30,270
Family and General Practitioners	29-1062	2,180	58.77	47.94	#	#	122,240
Farm and Home Management Advisors	25-9021	**	20.22	17.77	20.98	24.08	42,050
Farm Equipment Mechanics	49-3041	600	10.47	7.82	9.13	12.73	21,770
Farm, Ranch, and Other Agricultural Managers	11-9011	100	19.43	14.54	17.05	23.61	40,420
Farming, Fishing, and Forestry Occupations	45-0000	3,720	9.73	6.54	8.21	11.27	20,240
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	45-2092	670	7.01	5.92	6.62	8.01	14,580
Farmworkers, Farm and Ranch Animals	45-2093	1,210	7.72	6.23	7.06	8.94	16,060
Fashion Designers	27-1022	40	12.40	9.40	12.31	16.04	25,790
Fence Erectors	47-4031	210	11.09	8.34	10.33	13.05	23,070
Fiberglass Laminators and Fabricators	51-2091	**	14.51	8.88	11.89	17.40	30,170
File Clerks	43-4071	3,570	9.31	6.99	8.54	10.96	19,360
Film and Video Editors	27-4032	70	15.08	8.23	13.64	20.92	31,360
Financial Analysts	13-2051	990	23.74	15.90	20.42	26.92	49,370
Financial Examiners	13-2061	300	26.74	17.41	27.06	34.79	55,620
Financial Managers	11-3031	5,890	28.26	18.53	25.91	35.88	58,790
Fine Artists, Including Painters, Sculptors, and Illustrators	27-1013	40	18.03	11.05	17.69	23.02	37,510
Fire Fighters	33-2011	4,120	15.54	12.11	15.47	18.27	32,330
Fire Inspectors and Investigators	33-2021	110	18.74	13.48	18.73	21.88	38,980
First-Line Supervisors/Managers of Construction Trades and Extraction Workers	47-1011	5,980	20.62	15.35	20.20	25.18	42,880
First-Line Supervisors/Managers of Correctional Officers	33-1011	520	16.91	13.00	15.79	20.22	35,170
First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	45-1011	200	15.96	10.57	15.42	19.45	33,190
First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	33-1021	750	18.37	14.53	16.53	21.35	38,200

Alphabetical Listing: Statewide Wage Data



Statewide: Alphabetical

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
First-Line Supervisors/Managers of Food Preparation and Serving Workers	35-1012	6,260	9.71	7.52	9.02	11.13	20,210
First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	53-1021	1,650	16.59	11.51	15.37	21.26	34,510
First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	37-1011	1,990	11.52	8.44	10.67	13.26	23,970
First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	37-1012	730	12.24	8.93	11.20	14.81	25,470
First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	49-1011	4,910	21.05	15.45	20.56	26.31	43,790
First-Line Supervisors/Managers of Non-Retail Sales Workers	41-1012	2,450	20.42	13.19	17.93	25.21	42,460
First-Line Supervisors/Managers of Office and Administrative Support Workers	43-1011	14,810	17.04	11.60	15.43	20.73	35,450
First-Line Supervisors/Managers of Personal Service Workers	39-1021	760	11.92	8.76	10.74	13.43	24,780
First-Line Supervisors/Managers of Police and Detectives	33-1012	830	18.91	12.90	18.28	23.10	39,340
First-Line Supervisors/Managers of Production and Operating Workers	51-1011	7,610	19.59	14.19	18.63	23.92	40,760
First-Line Supervisors/Managers of Retail Sales Workers	41-1011	14,270	13.47	8.98	11.63	15.99	28,010
First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	53-1031	2,070	19.95	14.07	19.24	25.00	41,490
Fish and Game Wardens	33-3031	130	15.15	12.37	14.61	17.84	31,510
Fitness Trainers and Aerobics Instructors	39-9031	1,490	10.49	6.84	9.95	13.11	21,820
Floor Layers, Except Carpet, Wood, and Hard Tiles	47-2042	190	13.75	9.82	11.59	18.94	28,590
Floor Sanders and Finishers	47-2043	**	13.28	11.03	13.09	15.51	27,620
Floral Designers	27-1023	850	9.23	7.59	8.56	10.31	19,210
Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	51-3091	200	10.35	8.24	10.30	12.44	21,530
Food Batchmakers	51-3092	1,050	9.61	7.06	9.71	11.88	20,000
Food Cooking Machine Operators and Tenders	51-3093	370	9.22	8.10	9.49	10.47	19,170
Food Preparation and Serving Related Occupations	35-0000	116,350	6.92	5.94	6.55	7.56	14,390
Food Preparation Workers	35-2021	6,250	6.88	5.99	6.63	7.69	14,320
Food Servers, Nonrestaurant	35-3041	2,870	6.88	5.87	6.45	7.45	14,300
Food Service Managers	11-9051	4,150	14.05	10.31	13.70	16.79	29,230
Foreign Language and Literature Teachers, Postsecondary	25-1124	260	*	*	*	*	37,980
Forensic Science Technicians	19-4092	110	14.08	11.82	13.32	16.04	29,290
Forest and Conservation Technicians	19-4093	200	14.31	11.30	14.18	16.87	29,760
Foresters	19-1032	60	20.76	17.87	20.79	24.68	43,180
Forging Machine Setters, Operators, and Tenders, Metal and Plastic	51-4022	500	10.58	7.78	9.40	13.32	22,010
Foundry Mold and Coremakers	51-4071	250	10.99	8.92	10.86	12.90	22,860
Funeral Attendants	39-4021	480	8.11	6.89	7.78	8.74	16,860
Funeral Directors	11-9061	370	19.46	15.13	19.84	23.32	40,470
Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	51-9051	450	15.21	11.60	16.10	19.16	31,640
Furniture Finishers	51-7021	150	11.13	8.68	10.92	13.29	23,140
Gaming Change Persons and Booth Cashiers	41-2012	560	7.07	6.22	7.12	8.01	14,700
Gaming Managers	11-9071	50	15.84	10.69	13.52	19.68	32,950
Gaming Supervisors	39-1011	120	10.51	8.28	10.60	12.80	21,860
Gaming Surveillance Officers and Gaming Investigators	33-9031	70	9.41	7.47	8.28	9.77	19,570
Gas Compressor and Gas Pumping Station Operators	53-7071	330	20.16	17.86	21.14	24.69	41,930
Gas Plant Operators	51-8092	370	18.21	14.42	19.00	22.22	37,880
General and Operations Managers	11-1021	29,590	27.66	15.86	23.71	35.33	57,540
Geography Teachers, Postsecondary	25-1064	40	*	*	*	*	45,930
Geological and Petroleum Technicians	19-4041	1,010	18.75	13.83	17.46	22.18	38,990
Geoscientists, Except Hydrologists and Geographers	19-2042	740	40.58	28.21	43.47	52.51	84,410
Glaziers	47-2121	570	11.56	9.36	11.34	13.47	24,050
Graders and Sorters, Agricultural Products	45-2041	290	10.08	7.65	9.51	11.43	20,970
Graduate Teaching Assistants	25-1191	1,050	*	*	*	*	17,500

Alphabetical Listing: Statewide Wage Data



Statewide: Alphabetical

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Graphic Designers	27-1024	940	14.34	9.99	13.08	16.70	29,820
Grinding and Polishing Workers, Hand	51-9022	390	10.93	8.83	10.11	12.18	22,730
Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4033	1,290	12.53	8.61	11.42	15.55	26,050
Hairdressers, Hairstylists, and Cosmetologists	39-5012	2,270	8.95	6.96	8.21	10.14	18,610
Hazardous Materials Removal Workers	47-4041	390	13.12	11.56	12.75	13.91	27,290
Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	17-2111	290	25.67	19.21	24.85	31.66	53,400
Health Educators	21-1091	660	12.46	9.27	11.18	15.25	25,920
Health Specialties Teachers, Postsecondary	25-1071	**	*	*	*	*	44,520
Healthcare Practitioners and Technical Occupations	29-0000	67,970	21.23	11.92	16.90	24.03	44,170
Healthcare Support Occupations	31-0000	42,060	8.72	7.06	8.21	9.89	18,150
Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	51-4191	340	14.70	10.48	13.64	17.15	30,570
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	49-9021	1,770	14.47	11.05	13.89	17.33	30,090
Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	47-3011	320	10.35	9.27	10.18	11.24	21,540
Helpers--Carpenters	47-3012	830	10.20	8.03	9.84	12.03	21,220
Helpers--Electricians	47-3013	1,770	11.01	9.00	10.70	12.94	22,900
Helpers--Extraction Workers	47-5081	1,330	12.34	9.93	11.17	13.47	25,670
Helpers--Installation, Maintenance, and Repair Workers	49-9098	2,570	10.74	7.37	9.22	12.49	22,340
Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	47-3014	300	8.18	6.94	7.86	8.86	17,010
Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	47-3015	990	10.37	8.16	10.36	12.44	21,580
Helpers--Production Workers	51-9198	6,700	9.20	7.08	8.35	10.42	19,130
Helpers--Roofers	47-3016	310	10.51	7.80	10.00	13.00	21,870
Highway Maintenance Workers	47-4051	4,720	9.79	8.17	9.55	11.06	20,370
History Teachers, Postsecondary	25-1125	280	*	*	*	*	43,640
Hoist and Winch Operators	53-7041	110	13.99	10.20	13.06	16.98	29,110
Home Appliance Repairers	49-9031	380	13.22	9.56	12.39	16.23	27,490
Home Economics Teachers, Postsecondary	25-1192	**	*	*	*	*	34,130
Home Health Aides	31-1011	6,010	7.94	6.57	7.73	9.05	16,520
Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	35-9031	2,470	6.75	5.93	6.51	7.40	14,040
Hotel, Motel, and Resort Desk Clerks	43-4081	1,860	7.23	6.32	7.28	8.21	15,030
Human Resources Assistants, Except Payroll and Timekeeping	43-4161	1,580	12.58	9.94	12.15	14.72	26,160
Human Resources Managers	11-3040	2,620	24.96	18.28	23.73	30.03	51,910
Hydrologists	19-2043	80	26.71	20.98	25.96	32.35	55,550
Industrial Engineering Technicians	17-3026	730	18.89	13.92	19.05	23.69	39,300
Industrial Engineers	17-2112	1,500	28.51	23.18	27.76	33.51	59,290
Industrial Machinery Mechanics	49-9041	2,760	15.82	12.62	15.73	18.89	32,920
Industrial Production Managers	11-3051	2,190	27.58	19.54	25.81	34.46	57,360
Industrial Truck and Tractor Operators	53-7051	5,020	11.58	9.21	10.81	13.30	24,080
Inspectors, Testers, Sorters, Samplers, and Weighers	51-9061	7,000	15.09	10.46	14.78	19.33	31,380
Installation, Maintenance, and Repair Occupations	49-0000	71,060	15.03	10.20	14.19	19.27	31,260
Instructional Coordinators	25-9031	1,170	19.41	14.86	18.50	23.98	40,370
Insulation Workers	47-2130	1,010	14.60	10.44	13.20	19.67	30,360
Insurance Appraisers, Auto Damage	13-1032	**	22.01	16.36	18.27	29.66	45,780
Insurance Claims and Policy Processing Clerks	43-9041	2,130	13.98	9.78	12.94	16.72	29,080
Insurance Sales Agents	41-3021	3,330	21.47	12.42	16.37	25.86	44,650
Insurance Underwriters	13-2053	560	19.05	14.44	17.74	22.05	39,620
Interior Designers	27-1025	130	16.65	12.83	15.31	19.22	34,640
Internists, General	29-1063	410	64.65	62.16	68.59	#	134,480
Interpreters and Translators	27-3091	270	13.96	13.27	14.76	16.02	29,030
Interviewers, Except Eligibility and Loan	43-4111	1,320	9.29	7.40	8.89	10.80	19,330
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	37-2011	22,050	7.84	6.39	7.45	8.68	16,300
Jewelers and Precious Stone and Metal Workers	51-9071	210	14.29	10.58	14.69	16.98	29,720
Job Printers	51-5021	580	12.48	9.62	11.97	15.10	25,960
Judges, Magistrate Judges, and Magistrates	23-1023	440	38.34	32.85	39.26	47.17	79,750

Alphabetical Listing: Statewide Wage Data



Statewide: Alphabetical

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Kindergarten Teachers, Except Special Education	25-2012	2,640	*	*	*	*	28,480
Laborers and Freight, Stock, and Material Movers, Hand	53-7062	22,090	9.02	7.01	8.22	10.22	18,760
Landscape Architects	17-1012	60	18.87	12.59	17.10	25.05	39,250
Landscaping and Groundskeeping Workers	37-3011	7,050	8.56	6.78	8.10	9.74	17,810
Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4034	930	11.91	8.64	11.90	14.83	24,760
Laundry and Dry-Cleaning Workers	51-6011	3,270	7.17	6.08	6.77	8.00	14,910
Law Clerks	23-2092	470	13.42	9.54	11.83	16.57	27,920
Law Teachers, Postsecondary	25-1112	**	*	*	*	*	82,990
Lawyers	23-1011	5,100	37.87	24.34	32.73	50.41	78,770
Lay-Out Workers, Metal and Plastic	51-4192	170	13.44	9.51	12.25	16.67	27,950
Legal Occupations	23-0000	9,210	29.60	16.11	24.86	37.95	61,570
Legal Secretaries	43-6012	1,900	12.67	10.43	12.47	15.03	26,360
Legislators	11-1031	540	10.18	5.97	6.58	12.32	21,180
Librarians	25-4021	2,180	16.57	13.62	16.51	19.93	34,460
Library Assistants, Clerical	43-4121	1,420	8.28	6.30	7.70	9.56	17,210
Library Science Teachers, Postsecondary	25-1082	70	*	*	*	*	48,140
Library Technicians	25-4031	1,290	8.35	6.45	7.89	9.90	17,360
Licensed Practical and Licensed Vocational Nurses	29-2061	12,540	12.56	10.67	12.30	13.84	26,130
Life, Physical, and Social Science Occupations	19-0000	11,820	20.37	13.47	17.37	24.71	42,370
Loading Machine Operators, Underground Mining	53-7033	90	9.99	9.23	10.24	11.22	20,780
Loan Counselors	13-2071	280	13.73	11.35	13.05	15.92	28,550
Loan Interviewers and Clerks	43-4131	1,690	12.22	9.41	11.45	13.89	25,410
Loan Officers	13-2072	2,610	20.80	13.90	19.20	26.46	43,270
Locker Room, Coatroom, and Dressing Room Attendants	39-3093	230	7.80	6.58	7.59	8.69	16,230
Locksmiths and Safe Repairers	49-9094	**	14.54	13.78	14.89	16.05	30,240
Locomotive Engineers	53-4011	**	22.53	19.38	22.02	25.88	46,870
Lodging Managers	11-9081	230	13.88	10.25	12.25	13.86	28,870
Logging Equipment Operators	45-4022	550	14.17	8.75	14.12	18.35	29,470
Machine Feeders and Offbearers	53-7063	790	10.34	7.97	9.48	12.56	21,520
Machinists	51-4041	5,710	14.17	10.51	14.14	16.92	29,470
Maids and Housekeeping Cleaners	37-2012	10,310	6.92	6.07	6.75	7.77	14,390
Mail Clerks and Mail Machine Operators, Except Postal Service	43-9051	1,740	9.14	7.49	8.60	10.58	19,010
Maintenance and Repair Workers, General	49-9042	12,370	12.26	9.08	11.33	14.86	25,510
Maintenance Workers, Machinery	49-9043	2,090	14.98	10.68	14.57	18.90	31,160
Management Analysts	13-1111	3,070	24.71	17.61	23.50	30.93	51,400
Management Occupations	11-0000	87,820	26.67	15.79	23.43	33.96	55,470
Manicurists and Pedicurists	39-5092	60	8.02	6.42	7.45	9.49	16,670
Manufactured Building and Mobile Home Installers	49-9095	**	12.99	10.10	11.50	14.21	27,030
Market Research Analysts	19-3021	770	20.73	14.17	19.20	25.98	43,130
Marketing Managers	11-2021	1,390	29.34	18.99	26.30	37.70	61,020
Marriage and Family Therapists	21-1013	240	18.14	14.96	18.50	21.06	37,730
Massage Therapists	31-9011	**	14.81	7.72	17.84	19.75	30,790
Materials Engineers	17-2131	220	27.50	20.45	28.77	33.91	57,210
Materials Scientists	19-2032	80	34.65	26.75	32.97	44.15	72,070
Mathematical Science Teachers, Postsecondary	25-1022	670	*	*	*	*	38,800
Meat, Poultry, and Fish Cutters and Trimmers	51-3022	2,620	9.12	7.89	8.87	10.10	18,960
Mechanical Door Repairers	49-9011	250	12.12	9.93	11.66	13.04	25,210
Mechanical Drafters	17-3013	1,040	18.07	13.69	17.56	21.44	37,580
Mechanical Engineers	17-2141	1,670	28.03	22.69	28.10	33.76	58,300
Medical and Clinical Laboratory Technicians	29-2012	1,380	12.94	9.79	12.46	15.58	26,920

Alphabetical Listing: Statewide Wage Data



Statewide: Alphabetical

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Medical and Clinical Laboratory Technologists	29-2011	1,780	18.17	14.98	18.46	21.24	37,800
Medical and Health Services Managers	11-9111	3,110	27.86	20.19	25.29	32.18	57,950
Medical and Public Health Social Workers	21-1022	880	15.31	9.31	14.70	19.46	31,840
Medical Appliance Technicians	51-9082	50	14.47	10.77	14.45	16.80	30,090
Medical Assistants	31-9092	3,650	9.80	8.28	9.57	10.95	20,390
Medical Equipment Preparers	31-9093	**	9.47	8.03	9.34	10.54	19,700
Medical Equipment Repairers	49-9062	200	17.51	12.03	17.61	21.85	36,430
Medical Records and Health Information Technicians	29-2071	1,900	10.82	8.13	10.30	12.78	22,500
Medical Scientists, Except Epidemiologists	19-1042	330	23.61	15.96	20.75	27.38	49,110
Medical Secretaries	43-6013	3,230	10.02	8.63	9.68	10.75	20,840
Medical Transcriptionists	31-9094	1,250	11.68	9.24	11.59	13.95	24,290
Meeting and Convention Planners	13-1121	220	16.59	10.65	15.35	21.38	34,520
Mental Health and Substance Abuse Social Workers	21-1023	720	13.51	9.66	12.87	17.05	28,110
Mental Health Counselors	21-1014	1,020	14.17	10.89	13.29	16.85	29,480
Merchandise Displayers and Window Trimmers	27-1026	440	11.97	8.17	10.64	15.44	24,890
Metal-Refining Furnace Operators and Tenders	51-4051	290	12.11	9.66	11.06	13.16	25,180
Meter Readers, Utilities	43-5041	1,110	10.43	8.02	9.97	12.38	21,700
Microbiologists	19-1022	60	21.98	18.26	20.26	24.30	45,720
Middle School Teachers, Except Special and Vocational Education	25-2022	8,130	*	*	*	*	33,770
Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	51-4035	360	12.97	11.53	12.88	14.59	26,980
Millwrights	49-9044	690	15.02	9.36	13.75	19.72	31,230
Mining and Geological Engineers, Including Mining Safety Engineers	17-2151	120	34.99	23.09	28.59	44.97	72,780
Mixing and Blending Machine Setters, Operators, and Tenders	51-9023	1,070	14.68	10.85	13.63	18.30	30,530
Mobile Heavy Equipment Mechanics, Except Engines	49-3042	1,120	14.74	12.07	14.13	17.01	30,670
Molders, Shapers, and Casters, Except Metal and Plastic	51-9195	260	10.45	8.31	10.00	11.93	21,730
Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	51-4072	610	10.15	7.99	9.82	11.27	21,110
Motion Picture Projectionists	39-3021	70	6.78	5.75	6.30	7.17	14,090
Motorboat Mechanics	49-3051	160	11.63	8.70	10.66	13.86	24,190
Motorcycle Mechanics	49-3052	130	12.76	8.46	11.49	15.86	26,550
Multi-Media Artists and Animators	27-1014	230	15.22	11.86	14.49	18.29	31,650
Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4081	1,530	12.35	9.72	12.02	14.79	25,690
Music Directors and Composers	27-2041	**	*	*	*	*	30,670
Musical Instrument Repairers and Tuners	49-9063	30	12.86	8.59	10.03	13.78	26,750
Musicians and Singers	27-2042	**	*	*	*	*	45,630
Natural Sciences Managers	11-9121	440	27.27	18.77	24.90	34.05	56,730
Network and Computer Systems Administrators	15-1071	2,070	22.55	17.34	22.24	27.35	46,900
Network Systems and Data Communications Analysts	15-1081	1,100	20.39	13.77	18.08	26.00	42,410
New Accounts Clerks	43-4141	890	10.78	9.05	10.46	12.28	22,430
News Analysts, Reporters and Correspondents	27-3020	730	15.55	9.28	11.72	16.20	32,340
Nonfarm Animal Caretakers	39-2021	1,100	8.69	6.55	8.13	10.29	18,080
Nuclear Medicine Technologists	29-2033	160	23.18	19.49	23.00	26.34	48,220
Numerical Tool and Process Control Programmers	51-4012	260	15.66	10.19	16.60	20.12	32,570
Nursing Aides, Orderlies, and Attendants	31-1012	22,150	7.80	6.81	7.70	8.65	16,220
Nursing Instructors and Teachers, Postsecondary	25-1072	520	*	*	*	*	41,350
Obstetricians and Gynecologists	29-1064	50	65.59	65.13	#	#	136,420
Occupational Health and Safety Specialists and Technicians	29-9010	440	22.38	16.11	21.58	26.98	46,540
Occupational Therapist Aides	31-2012	180	8.01	7.33	7.86	8.38	16,670
Occupational Therapist Assistants	31-2011	320	15.04	12.28	15.54	18.04	31,280
Occupational Therapists	29-1122	700	23.91	17.47	24.00	29.46	49,730
Office and Administrative Support Occupations	43-0000	256,300	11.24	8.11	10.23	13.29	23,390

Alphabetical Listing: Statewide Wage Data



Statewide: Alphabetical

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Office Clerks, General	43-9061	35,170	9.42	7.33	8.90	10.91	19,590
Office Machine Operators, Except Computer	43-9071	1,080	10.36	7.62	9.28	12.82	21,550
Operating Engineers and Other Construction Equipment Operators	47-2073	3,220	13.25	10.86	12.67	15.23	27,560
Operations Research Analysts	15-2031	330	22.42	17.18	21.16	26.29	46,630
Ophthalmic Laboratory Technicians	51-9083	**	9.73	9.13	9.90	10.67	20,240
Opticians, Dispensing	29-2081	470	11.60	8.06	10.41	12.74	24,130
Optometrists	29-1041	340	41.21	30.99	41.12	49.98	85,720
Order Clerks	43-4151	2,870	11.07	8.02	10.18	13.29	23,020
Outdoor Power Equipment and Other Small Engine Mechanics	49-3053	**	7.84	5.73	6.30	8.61	16,310
Packaging and Filling Machine Operators and Tenders	51-9111	3,780	9.26	7.37	8.82	11.03	19,250
Packers and Packagers, Hand	53-7064	5,870	7.69	6.22	7.14	8.60	16,000
Painters, Construction and Maintenance	47-2141	2,710	12.13	9.30	11.84	14.59	25,230
Painters, Transportation Equipment	51-9122	930	13.19	10.12	12.38	15.93	27,430
Painting, Coating, and Decorating Workers	51-9123	380	11.31	8.36	10.22	13.02	23,520
Paper Goods Machine Setters, Operators, and Tenders	51-9196	970	13.42	9.75	12.78	18.05	27,910
Paperhangers	47-2142	40	12.07	9.25	11.25	14.27	25,100
Paralegals and Legal Assistants	23-2011	1,130	17.40	12.54	16.11	20.89	36,200
Parking Enforcement Workers	33-3041	100	12.50	10.56	13.12	15.20	26,010
Parking Lot Attendants	53-6021	710	6.72	5.86	6.45	7.43	13,970
Parts Salespersons	41-2022	3,900	10.45	7.27	9.36	12.36	21,740
Patternmakers, Metal and Plastic	51-4062	70	11.92	9.68	11.89	14.49	24,780
Paving, Surfacing, and Tamping Equipment Operators	47-2071	1,160	11.59	9.60	10.85	12.98	24,110
Payroll and Timekeeping Clerks	43-3051	2,760	11.98	9.38	11.55	14.01	24,920
Pediatricians, General	29-1065	140	62.47	59.79	65.09	#	129,940
Personal and Home Care Aides	39-9021	5,060	7.01	6.08	6.86	7.82	14,590
Personal Care and Service Occupations	39-0000	24,430	8.71	6.29	7.30	9.19	18,120
Personal Financial Advisors	13-2052	450	26.82	12.48	17.78	37.84	55,790
Pest Control Workers	37-2021	160	9.20	6.93	8.65	11.53	19,140
Pesticide Handlers, Sprayers, and Applicators, Vegetation	37-3012	140	9.68	7.01	9.00	11.62	20,130
Petroleum Engineers	17-2171	750	42.92	34.00	42.64	53.89	89,280
Petroleum Pump System Operators,Refinery Operators	51-8093	1,390	19.87	15.29	19.98	25.01	41,330
Pharmacists	29-1051	2,740	32.36	28.40	32.77	37.04	67,310
Pharmacy Aides	31-9095	710	7.98	6.81	7.85	8.94	16,590
Pharmacy Technicians	29-2052	2,220	9.66	7.93	9.27	10.98	20,100
Philosophy and Religion Teachers, Postsecondary	25-1126	240	*	*	*	*	39,390
Photographers	27-4021	800	10.38	7.89	9.67	11.77	21,580
Photographic Process Workers	51-9131	370	8.52	6.52	8.44	10.26	17,730
Photographic Processing Machine Operators	51-9132	790	7.41	6.24	7.11	8.36	15,410
Physical Therapist Aides	31-2022	580	9.08	7.56	8.67	10.37	18,880
Physical Therapist Assistants	31-2021	620	16.08	14.03	16.00	18.80	33,440
Physical Therapists	29-1123	1,390	27.38	22.65	26.08	32.22	56,950
Physician Assistants	29-1071	1,200	21.57	11.82	15.77	31.04	44,870
Physics Teachers, Postsecondary	25-1054	180	*	*	*	*	50,070
Pile-Driver Operators	47-2072	**	17.24	10.49	14.40	24.32	35,850
Pipelayers	47-2151	810	11.46	9.44	10.80	13.17	23,840
Plasterers and Stucco Masons	47-2161	230	15.73	13.87	15.62	17.30	32,710
Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	51-4193	610	12.29	9.21	11.50	14.82	25,560
Plumbers, Pipefitters, and Steamfitters	47-2152	4,610	16.34	11.71	15.93	20.53	33,990
Police and Sheriff's Patrol Officers	33-3051	7,690	14.08	10.15	13.23	17.08	29,290
Police, Fire, and Ambulance Dispatchers	43-5031	1,840	9.37	7.12	8.37	11.07	19,480

Alphabetical Listing: Statewide Wage Data



Statewide: Alphabetical

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Political Science Teachers, Postsecondary	25-1065	150	*	*	*	*	39,250
Postal Service Clerks	43-5051	620	18.76	17.84	19.06	20.28	39,010
Postal Service Mail Carriers	43-5052	4,440	17.98	16.05	18.33	20.20	37,400
Postal Service Mail Sorters, Processors, and Processing Machine Operators	43-5053	1,560	14.68	10.31	15.48	18.85	30,540
Postmasters and Mail Superintendents	11-9131	570	21.25	18.15	20.62	24.98	44,190
Pourers and Casters, Metal	51-4052	160	13.99	11.13	13.78	16.01	29,100
Power Distributors and Dispatchers	51-8012	370	19.33	11.70	18.96	25.47	40,210
Power Plant Operators	51-8013	420	22.36	19.71	23.19	25.86	46,510
Prepress Technicians and Workers	51-5022	800	12.76	9.09	12.34	15.75	26,540
Preschool Teachers, Except Special Education	25-2011	4,990	8.99	6.80	8.06	10.51	18,700
Pressers, Textile, Garment, and Related Materials	51-6021	980	6.74	6.03	6.64	7.41	14,030
Printing Machine Operators	51-5023	1,900	12.04	8.95	11.55	15.12	25,040
Private Detectives and Investigators	33-9021	380	14.87	10.04	14.78	19.12	30,930
Probation Officers and Correctional Treatment Specialists	21-1092	700	15.17	13.16	15.30	17.76	31,550
Procurement Clerks	43-3061	1,300	13.93	11.09	13.96	16.53	28,970
Producers and Directors	27-2012	430	*	*	*	*	38,790
Production Occupations	51-0000	134,470	12.63	8.45	10.98	15.67	26,270
Production, Planning, and Expediting Clerks	43-5061	3,450	15.79	10.66	14.37	19.23	32,830
Proofreaders and Copy Markers	43-9081	220	10.14	7.21	9.34	11.56	21,100
Property, Real Estate, and Community Association Managers	11-9141	1,380	14.94	9.09	11.15	19.32	31,080
Protective Service Occupations	33-0000	32,290	13.00	8.67	11.90	16.03	27,050
Psychiatric Aides	31-1013	770	9.54	8.07	9.40	11.19	19,840
Psychiatric Technicians	29-2053	570	10.95	8.21	9.58	10.89	22,780
Psychiatrists	29-1066	150	55.91	48.09	66.49	#	116,290
Psychology Teachers, Postsecondary	25-1066	390	*	*	*	*	41,100
Public Relations Managers	11-2031	650	22.28	15.86	19.84	26.98	46,350
Public Relations Specialists	27-3031	1,520	16.30	12.36	15.02	19.77	33,900
Pump Operators, Except Wellhead Pumpers	53-7072	570	12.11	6.30	11.69	15.20	25,190
Purchasing Agents and Buyers, Farm Products	13-1021	180	17.63	10.89	16.49	21.41	36,660
Purchasing Agents, Except Wholesale, Retail, and Farm Products	13-1023	2,550	19.07	13.53	17.92	24.18	39,660
Purchasing Managers	11-3061	1,280	25.17	17.07	23.12	30.68	52,350
Radiation Therapists	29-1124	150	21.73	17.25	20.96	25.37	45,200
Radio Mechanics	49-2021	50	15.25	10.48	13.81	19.98	31,710
Radiologic Technologists and Technicians	29-2034	1,710	16.26	13.55	15.79	18.83	33,830
Rail Car Repairers	49-3043	40	18.80	16.81	19.25	21.30	39,110
Railroad Brake, Signal, and Switch Operators	53-4021	110	14.44	9.10	10.99	17.00	30,030
Railroad Conductors and Yardmasters	53-4031	**	22.06	18.53	21.13	25.11	45,890
Rail-Track Laying and Maintenance Equipment Operators	47-4061	100	13.48	10.42	14.30	16.80	28,030
Real Estate Brokers	41-9021	550	36.07	17.36	23.78	63.33	75,030
Real Estate Sales Agents	41-9022	1,200	14.73	7.54	10.55	20.50	30,640
Receptionists and Information Clerks	43-4171	11,680	9.32	7.54	8.95	10.70	19,380
Recreation and Fitness Studies Teachers, Postsecondary	25-1193	280	*	*	*	*	36,150
Recreation Workers	39-9032	2,110	8.18	6.47	7.41	8.96	17,020
Recreational Therapists	29-1125	300	14.19	9.83	14.00	16.90	29,510
Recreational Vehicle Service Technicians	49-3092	140	13.38	10.68	13.53	15.85	27,830
Refractory Materials Repairers, Except Brickmasons	49-9045	**	14.87	12.04	13.55	16.42	30,930
Refuse and Recyclable Material Collectors	53-7081	3,010	8.66	6.50	7.69	10.42	18,010
Registered Nurses	29-1111	20,080	20.07	16.84	19.74	23.03	41,740
Rehabilitation Counselors	21-1015	2,970	8.68	6.89	8.01	9.63	18,060
Reinforcing Iron and Rebar Workers	47-2171	250	16.29	12.30	16.35	20.02	33,880

Alphabetical Listing: Statewide Wage Data



Statewide: Alphabetical

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Residential Advisors	39-9041	510	8.11	6.43	7.72	9.16	16,870
Respiratory Therapists	29-1126	910	14.92	11.40	15.70	18.42	31,040
Respiratory Therapy Technicians	29-2054	360	14.33	11.24	13.92	16.63	29,800
Retail Salespersons	41-2031	45,440	9.47	6.38	7.80	10.49	19,700
Riggers	49-9096	200	19.00	15.65	19.59	22.50	39,520
Rock Splitters, Quarry	47-5051	50	17.30	11.56	12.88	23.98	35,990
Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	51-4023	500	10.58	8.14	9.49	12.90	22,010
Roofers	47-2181	910	12.54	9.26	11.75	14.97	26,080
Rotary Drill Operators, Oil and Gas	47-5012	1,240	14.46	11.31	13.36	16.42	30,070
Roustabouts, Oil and Gas	47-5071	2,920	11.81	9.44	11.10	13.61	24,550
Sales and Related Occupations	41-0000	147,030	11.30	6.46	8.22	12.80	23,500
Sales Engineers	41-9031	510	25.64	16.08	24.43	32.35	53,330
Sales Managers	11-2022	3,670	30.42	18.23	27.19	39.75	63,270
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	41-4012	12,020	19.30	12.84	17.38	23.02	40,150
Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	41-4011	3,450	25.43	17.21	22.52	31.62	52,890
Sawing Machine Setters, Operators, and Tenders, Wood	51-7041	540	11.53	7.83	10.20	14.54	23,980
Secondary School Teachers, Except Special and Vocational Education	25-2031	14,510	*	*	*	*	33,590
Secretaries, Except Legal, Medical, and Executive	43-6014	25,800	10.07	7.75	9.71	12.00	20,940
Securities, Commodities, and Financial Services Sales Agents	41-3031	1,370	31.13	16.26	22.52	45.85	64,760
Security and Fire Alarm Systems Installers	49-2098	220	11.79	8.06	10.47	15.07	24,520
Security Guards	33-9032	8,580	10.00	7.65	9.03	12.05	20,800
Self-Enrichment Education Teachers	25-3021	1,210	15.00	7.88	14.03	21.15	31,200
Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	51-9012	320	13.81	10.37	13.68	17.80	28,720
Septic Tank Servicers and Sewer Pipe Cleaners	47-4071	260	13.92	10.56	13.06	16.33	28,960
Service Station Attendants	53-6031	1,230	7.50	6.22	7.00	8.74	15,590
Service Unit Operators, Oil, Gas, and Mining	47-5013	900	17.98	13.22	17.45	20.40	37,390
Sewers, Hand	51-6051	130	9.74	8.23	9.68	11.02	20,260
Sewing Machine Operators	51-6031	3,310	8.47	6.98	8.27	9.92	17,610
Sheet Metal Workers	47-2211	3,320	16.33	12.01	16.79	20.38	33,970
Shipping, Receiving, and Traffic Clerks	43-5071	7,910	10.35	7.86	9.76	12.23	21,520
Shoe and Leather Workers and Repairers	51-6041	40	7.28	6.14	6.82	8.40	15,130
Skin Care Specialists	39-5094	60	9.48	6.53	7.74	9.91	19,710
Slot Key Persons	39-1012	80	8.48	6.53	7.97	10.32	17,630
Social and Community Service Managers	11-9151	1,000	15.53	10.02	14.37	19.56	32,300
Social and Human Service Assistants	21-1093	2,160	11.03	7.63	11.24	14.31	22,930
Social Work Teachers, Postsecondary	25-1113	60	*	*	*	*	35,780
Sociologists	19-3041	70	21.96	18.21	22.75	25.42	45,680
Sociology Teachers, Postsecondary	25-1067	210	*	*	*	*	39,420
Sound Engineering Technicians	27-4014	**	14.87	9.30	14.54	17.59	30,930
Special Education Teachers, Middle School	25-2042	830	*	*	*	*	35,380
Special Education Teachers, Preschool, Kindergarten, and Elementary School	25-2041	2,310	*	*	*	*	34,540
Special Education Teachers, Secondary School	25-2043	1,330	*	*	*	*	35,710
Speech-Language Pathologists	29-1127	990	22.07	15.70	18.88	23.90	45,900
Stationary Engineers and Boiler Operators	51-8021	450	17.54	14.12	16.61	20.59	36,480
Statistical Assistants	43-9111	80	11.44	8.80	11.28	13.48	23,780
Statisticians	15-2041	**	15.18	12.49	13.69	15.71	31,580
Stock Clerks and Order Fillers	43-5081	17,490	9.47	6.71	8.28	10.95	19,700
Structural Iron and Steel Workers	47-2221	1,410	13.73	9.95	12.16	17.26	28,550
Structural Metal Fabricators and Fitters	51-2041	1,780	12.20	9.71	12.10	14.24	25,370
Substance Abuse and Behavioral Disorder Counselors	21-1011	690	13.11	8.46	11.88	16.37	27,280



Alphabetical Listing: Statewide Wage Data

Statewide: Alphabetical

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Surgeons	29-1067	960	69.69	#	#	#	144,960
Surgical Technologists	29-2055	1,050	13.04	10.39	12.50	14.90	27,130
Survey Researchers	19-3022	**	16.65	15.39	16.40	17.45	34,630
Surveying and Mapping Technicians	17-3031	480	15.87	10.61	15.00	20.23	33,000
Surveyors	17-1022	**	15.83	8.46	13.51	21.06	32,930
Switchboard Operators, Including Answering Service	43-2011	2,230	9.41	7.40	9.08	10.72	19,580
Tailors, Dressmakers, and Custom Sewers	51-6052	180	9.23	7.33	9.21	10.81	19,210
Tapers	47-2082	200	14.95	14.19	15.25	16.27	31,100
Tax Examiners, Collectors, and Revenue Agents	13-2081	860	17.93	10.86	14.35	25.26	37,300
Tax Preparers	13-2082	320	15.99	9.17	13.92	22.42	33,260
Taxi Drivers and Chauffeurs	53-3041	860	7.83	6.59	7.78	9.11	16,280
Teacher Assistants	25-9041	11,220	*	*	*	*	14,310
Team Assemblers	51-2092	14,720	11.64	8.17	10.11	14.19	24,220
Technical Writers	27-3042	560	18.78	15.20	18.93	21.96	39,050
Telecommunications Equipment Installers and Repairers, Except Line Installers	49-2022	3,650	21.46	18.80	22.22	25.50	44,630
Telecommunications Line Installers and Repairers	49-9052	3,240	17.75	11.71	18.45	24.17	36,910
Telemarketers	41-9041	7,520	7.82	6.52	7.61	8.67	16,260
Telephone Operators	43-2021	290	13.27	9.35	15.21	16.87	27,600
Tellers	43-3071	7,200	8.76	7.44	8.64	10.05	18,220
Textile Cutting Machine Setters, Operators, and Tenders	51-6062	240	9.08	7.29	8.63	10.55	18,890
Tile and Marble Setters	47-2044	130	13.47	9.70	11.18	18.17	28,020
Tire Repairers and Changers	49-3093	1,360	8.35	7.35	8.06	9.02	17,370
Title Examiners, Abstractors, and Searchers	23-2093	1,020	15.55	9.58	13.11	19.74	32,340
Tool and Die Makers	51-4111	710	20.60	17.15	20.02	23.52	42,850
Tool Grinders, Filers, and Sharpeners	51-4194	370	11.36	8.07	10.03	14.49	23,620
Tour Guides and Escorts	39-6021	80	7.44	5.86	6.56	8.27	15,480
Traffic Technicians	53-6041	70	14.36	10.12	14.84	18.21	29,870
Training and Development Specialists	13-1073	2,220	17.51	12.00	16.45	21.61	36,420
Transportation and Material Moving Occupations	53-0000	105,160	12.13	7.30	9.83	13.89	25,230
Transportation Attendants, Except Flight Attendants and Baggage Porters	39-6032	**	8.34	7.47	8.38	9.47	17,350
Transportation Inspectors	53-6051	340	27.73	22.02	26.59	37.38	57,670
Transportation, Storage, and Distribution Managers	11-3071	1,420	25.73	17.14	24.42	32.75	53,510
Travel Agents	41-3041	890	11.01	8.45	10.26	12.86	22,910
Travel Guides	39-6022	**	14.24	13.53	14.87	16.17	29,610
Tree Trimmers and Pruners	37-3013	710	10.06	8.61	9.88	11.19	20,920
Truck Drivers, Heavy and Tractor-Trailer	53-3032	22,220	14.61	10.61	13.59	17.25	30,380
Truck Drivers, Light Or Delivery Services	53-3033	11,330	9.94	7.17	8.79	11.35	20,670
Umpires, Referees, and Other Sports Officials	27-2023	40	*	*	*	*	16,260
Upholsterers	51-6093	430	9.35	6.78	8.12	11.37	19,440
Urban and Regional Planners	19-3051	170	22.98	15.90	21.54	29.26	47,800
Ushers, Lobby Attendants, and Ticket Takers	39-3031	490	6.28	5.83	6.30	6.78	13,060
Veterinarians	29-1131	530	28.36	16.67	24.62	38.30	58,990
Veterinary Assistants and Laboratory Animal Caretakers	31-9096	720	8.18	6.40	7.55	9.75	17,000
Veterinary Technologists and Technicians	29-2056	630	10.69	8.74	10.24	12.82	22,230
Vocational Education Teachers, Middle School	25-2023	380	*	*	*	*	38,910
Vocational Education Teachers, Postsecondary	25-1194	2,850	17.97	14.30	17.97	21.13	37,380
Vocational Education Teachers, Secondary School	25-2032	1,800	*	*	*	*	39,750
Waiters and Waitresses	35-3031	21,140	6.59	5.86	6.37	6.92	13,700
Watch Repairers	49-9064	40	10.92	6.76	8.45	14.14	22,710
Water and Liquid Waste Treatment Plant and System Operators	51-8031	2,110	10.82	8.58	10.22	12.73	22,510

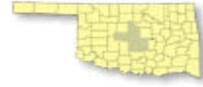
Alphabetical Listing: Statewide Wage Data



Statewide: Alphabetical

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Weighers, Measurers, Checkers, and Samplers, Recordkeeping	43-5111	1,100	11.57	9.03	10.82	13.33	24,080
Welders, Cutters, Solderers, and Brazers	51-4121	8,680	13.33	10.35	12.73	15.53	27,720
Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	51-4122	1,840	12.76	9.62	12.47	15.46	26,540
Wellhead Pumpers	53-7073	920	17.81	12.91	18.57	22.35	37,050
Wholesale and Retail Buyers, Except Farm Products	13-1022	1,540	17.93	11.46	17.31	22.65	37,300
Woodworking Machine Setters, Operators, and Tenders, Except Sawing	51-7042	540	10.58	8.65	10.60	12.51	22,000
Word Processors and Typists	43-9022	1,170	10.06	7.44	9.40	11.99	20,920
Writers and Authors	27-3043	340	17.24	13.01	16.82	21.10	35,850
Zoologists and Wildlife Biologists	19-1023	80	22.07	16.87	20.32	26.24	45,910

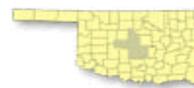
Management Occupations



OKC MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Management Occupations	11-0000	32,850	27.01	16.41	23.88	34.22	56,180
Chief Executives	11-1011	2,170	38.73	20.33	35.27	61.73	80,560
General and Operations Managers	11-1021	10,520	28.66	17.03	24.99	36.04	59,610
Legislators	11-1031	90	12.74	5.98	6.62	11.38	26,500
Advertising and Promotions Managers	11-2011	270	22.44	15.90	20.31	27.45	46,670
Marketing Managers	11-2021	540	26.84	18.56	24.14	32.87	55,840
Sales Managers	11-2022	1,520	28.82	17.69	26.42	36.24	59,940
Public Relations Managers	11-2031	280	22.63	16.32	20.39	28.82	47,060
Administrative Services Managers	11-3011	2,600	19.44	10.94	18.34	25.38	40,440
Computer and Information Systems Managers	11-3021	860	32.27	24.03	31.97	40.22	67,120
Financial Managers	11-3031	2,200	28.47	20.10	26.26	35.96	59,210
Human Resources Managers	11-3040	1,210	25.32	19.27	24.05	29.90	52,670
Industrial Production Managers	11-3051	640	26.51	18.28	24.23	34.54	55,150
Purchasing Managers	11-3061	490	25.54	17.70	22.83	32.22	53,130
Transportation, Storage, and Distribution Managers	11-3071	540	27.03	16.99	25.17	34.54	56,230
Construction Managers	11-9021	730	23.16	16.57	19.80	27.37	48,170
Education Administrators, Preschool and Child Care Program	11-9031	290	15.09	8.32	12.81	18.91	31,390
Education Administrators, Elementary and Secondary School	11-9032	670	*	*	*	*	51,250
Education Administrators, Postsecondary	11-9033	690	23.87	14.59	20.78	32.06	49,640
Engineering Managers	11-9041	980	36.84	29.51	36.09	43.54	76,620
Food Service Managers	11-9051	1,490	15.15	12.48	15.03	17.29	31,510
Funeral Directors	11-9061	80	21.97	18.49	20.90	24.66	45,690
Lodging Managers	11-9081	50	16.56	12.37	14.12	21.33	34,440
Medical and Health Services Managers	11-9111	1,410	29.18	21.07	26.00	33.41	60,680
Natural Sciences Managers	11-9121	190	25.88	16.23	23.40	33.86	53,830
Postmasters and Mail Superintendents	11-9131	40	24.33	19.44	24.11	29.76	50,600
Property, Real Estate, and Community Association Managers	11-9141	550	13.54	9.22	10.39	14.77	28,160
Social and Community Service Managers	11-9151	300	18.22	12.92	17.56	21.14	37,900

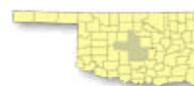
Business and Financial Operations Occupations



OKC MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Business and Financial Operations Occupations	13-0000	20,390	21.18	15.16	20.13	26.49	44,060
Purchasing Agents and Buyers, Farm Products	13-1021	50	16.74	8.71	18.81	22.43	34,820
Wholesale and Retail Buyers, Except Farm Products	13-1022	600	18.29	11.81	18.49	22.39	38,040
Purchasing Agents, Except Wholesale, Retail, and Farm Products	13-1023	1,160	20.72	15.01	20.03	26.29	43,090
Claims Adjusters, Examiners, and Investigators	13-1031	2,300	23.25	16.99	22.75	29.93	48,350
Insurance Appraisers, Auto Damage	13-1032	**	24.95	16.97	28.87	32.46	51,900
Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	13-1041	670	20.11	14.27	18.11	23.36	41,820
Cost Estimators	13-1051	690	21.64	16.92	20.90	25.56	45,000
Emergency Management Specialists	13-1061	70	17.12	10.09	17.02	22.94	35,610
Employment, Recruitment, and Placement Specialists	13-1071	490	16.57	11.81	15.64	20.61	34,460
Compensation, Benefits, and Job Analysis Specialists	13-1072	340	21.22	15.28	19.81	28.61	44,140
Training and Development Specialists	13-1073	800	19.05	13.02	18.49	24.42	39,630
Management Analysts	13-1111	1,590	22.00	15.23	21.42	27.59	45,760
Meeting and Convention Planners	13-1121	80	17.43	10.76	17.60	22.00	36,260
Accountants and Auditors	13-2011	3,780	19.78	14.39	17.88	24.02	41,150
Appraisers and Assessors of Real Estate	13-2021	160	14.26	10.25	12.15	16.00	29,670
Budget Analysts	13-2031	360	22.81	18.66	22.38	26.84	47,450
Credit Analysts	13-2041	310	16.50	12.49	14.75	19.23	34,320
Financial Analysts	13-2051	450	19.77	14.84	18.46	23.55	41,120
Insurance Underwriters	13-2053	340	18.88	14.99	18.44	21.73	39,270
Financial Examiners	13-2061	150	25.79	17.01	25.92	33.47	53,650
Loan Counselors	13-2071	80	13.46	11.14	12.72	15.17	28,000
Loan Officers	13-2072	830	22.37	13.59	19.48	30.20	46,520
Tax Examiners, Collectors, and Revenue Agents	13-2081	400	19.84	12.07	16.71	27.65	41,270

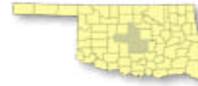
Computer and Mathematical Occupations



OKC MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Computer and Mathematical Occupations	15-0000	10,390	19.93	12.21	18.71	26.88	41,450
Computer and Information Scientists, Research	15-1011	100	28.45	24.34	28.53	32.06	59,170
Computer Programmers	15-1021	1,570	22.83	16.69	22.11	28.74	47,480
Computer Software Engineers, Applications	15-1031	690	24.92	19.24	23.96	30.18	51,830
Computer Software Engineers, Systems Software	15-1032	500	26.78	17.20	28.03	33.00	55,690
Computer Support Specialists	15-1041	2,800	12.86	9.47	11.66	14.28	26,740
Computer Systems Analysts	15-1051	1,820	22.82	16.59	24.75	30.69	47,460
Database Administrators	15-1061	400	22.19	15.59	20.03	27.28	46,150
Network and Computer Systems Administrators	15-1071	910	23.34	18.22	23.71	28.72	48,540
Network Systems and Data Communications Analysts	15-1081	**	18.69	12.94	16.38	23.80	38,870
Operations Research Analysts	15-2031	180	22.27	17.05	20.26	25.74	46,320
Statisticians	15-2041	**	14.87	12.48	13.55	14.54	30,930

Architecture and Engineering Occupations



OKC MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Architecture and Engineering Occupations	17-0000	10,910	23.91	16.60	21.96	29.93	49,730
Architects, Except Landscape and Naval	17-1011	40	29.30	24.06	27.70	33.63	60,940
Landscape Architects	17-1012	40	18.14	12.81	16.44	23.32	37,720
Surveyors	17-1022	**	15.28	8.24	13.23	20.80	31,780
Aerospace Engineers	17-2011	210	29.62	25.51	30.30	33.91	61,620
Biomedical Engineers	17-2031	50	26.93	19.64	23.05	26.11	56,010
Chemical Engineers	17-2041	130	33.04	27.64	32.69	39.43	68,710
Civil Engineers	17-2051	590	34.53	24.44	30.08	40.01	71,820
Computer Hardware Engineers	17-2061	160	34.65	28.02	34.80	41.89	72,070
Electrical Engineers	17-2071	370	28.73	23.51	28.19	35.55	59,770
Electronics Engineers, Except Computer	17-2072	1,290	29.79	24.83	30.17	35.56	61,950
Environmental Engineers	17-2081	80	29.18	23.65	28.65	36.76	60,690
Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	17-2111	80	25.47	18.34	25.01	31.46	52,970
Industrial Engineers	17-2112	530	28.73	22.32	28.67	33.91	59,770
Materials Engineers	17-2131	90	30.50	26.87	30.53	33.92	63,430
Mechanical Engineers	17-2141	550	27.00	22.46	26.80	31.98	56,160
Petroleum Engineers	17-2171	240	46.24	35.66	44.62	62.89	96,180
Architectural and Civil Drafters	17-3011	240	16.94	12.99	16.52	19.83	35,240
Electrical and Electronics Drafters	17-3012	150	17.51	13.41	16.60	20.41	36,410
Mechanical Drafters	17-3013	300	15.98	12.42	14.29	19.02	33,240
Aerospace Engineering and Operations Technicians	17-3021	**	18.87	15.48	19.32	21.47	39,250
Civil Engineering Technicians	17-3022	130	17.65	14.75	16.93	20.52	36,720
Electrical and Electronic Engineering Technicians	17-3023	1,580	21.24	18.46	20.69	24.08	44,180
Electro-Mechanical Technicians	17-3024	250	20.55	18.07	20.77	24.01	42,740
Environmental Engineering Technicians	17-3025	110	15.21	10.76	14.06	19.06	31,630
Industrial Engineering Technicians	17-3026	410	20.83	17.61	21.15	24.64	43,320
Surveying and Mapping Technicians	17-3031	80	15.74	8.50	15.60	20.99	32,750

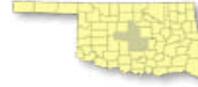
Life, Physical, and Social Science Occupations



OKC MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Life, Physical, and Social Science Occupations	19-0000	5,150	19.06	13.24	16.56	22.27	39,650
Medical Scientists, Except Epidemiologists	19-1042	220	23.51	15.10	18.82	27.15	48,900
Atmospheric and Space Scientists	19-2021	110	33.87	28.20	34.31	40.40	70,440
Chemists	19-2031	**	18.44	14.58	15.93	20.18	38,370
Materials Scientists	19-2032	**	35.43	27.67	33.13	45.08	73,690
Environmental Scientists and Specialists, Including Health	19-2041	160	22.04	16.90	20.86	25.81	45,850
Geoscientists, Except Hydrologists and Geographers	19-2042	250	36.20	25.10	35.10	49.96	75,300
Market Research Analysts	19-3021	260	19.93	13.68	18.26	23.88	41,460
Survey Researchers	19-3022	**	16.41	15.43	16.42	17.42	34,140
Clinical, Counseling, and School Psychologists	19-3031	440	18.16	14.31	16.60	19.92	37,780
Agricultural and Food Science Technicians	19-4011	**	14.31	11.57	13.68	16.52	29,760
Biological Technicians	19-4021	350	13.37	10.70	12.89	15.85	27,820
Chemical Technicians	19-4031	140	16.69	13.35	16.30	20.13	34,720
Geological and Petroleum Technicians	19-4041	270	17.51	14.48	16.84	20.30	36,420
Forest and Conservation Technicians	19-4093	**	13.64	10.51	13.58	16.11	28,370

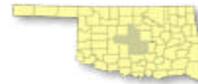
Community and Social Services Occupations



OKC MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Community and Social Services Occupations	21-0000	6,630	14.80	11.77	14.46	16.81	30,790
Substance Abuse and Behavioral Disorder Counselors	21-1011	230	17.39	12.71	16.32	19.41	36,160
Educational, Vocational, and School Counselors	21-1012	1,070	17.39	13.57	16.43	20.85	36,170
Marriage and Family Therapists	21-1013	**	13.32	11.81	12.72	13.62	27,710
Mental Health Counselors	21-1014	400	14.18	10.54	13.29	17.14	29,500
Rehabilitation Counselors	21-1015	310	10.90	8.00	9.74	11.87	22,670
Medical and Public Health Social Workers	21-1022	360	18.99	14.66	18.66	23.01	39,500
Health Educators	21-1091	260	13.46	10.00	12.64	17.10	27,990
Clergy	21-2011	70	19.67	14.36	16.56	21.25	40,920

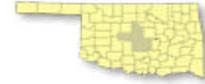
Legal Occupations



OKC MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Legal Occupations	23-0000	4,230	33.78	19.32	30.05	43.16	70,270
Lawyers	23-1011	2,550	41.37	28.43	35.31	60.89	86,040
Administrative Law Judges, Adjudicators, and Hearing Officers	23-1021	200	25.26	17.73	21.10	26.68	52,540
Paralegals and Legal Assistants	23-2011	610	19.60	14.30	18.78	22.40	40,770
Law Clerks	23-2092	180	16.47	12.87	14.59	20.03	34,250
Title Examiners, Abstractors, and Searchers	23-2093	300	20.94	14.45	18.77	27.28	43,560

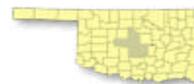
Education, Training, and Library Occupations



OKC MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Education, Training, and Library Occupations	25-0000	32,410	15.37	10.41	14.79	19.59	31,970
Business Teachers, Postsecondary	25-1011	510	*	*	*	*	38,480
Computer Science Teachers, Postsecondary	25-1021	70	*	*	*	*	40,420
Mathematical Science Teachers, Postsecondary	25-1022	340	*	*	*	*	37,950
Engineering Teachers, Postsecondary	25-1032	130	*	*	*	*	61,110
Agricultural Sciences Teachers, Postsecondary	25-1041	**	*	*	*	*	45,120
Biological Science Teachers, Postsecondary	25-1042	**	*	*	*	*	45,660
Chemistry Teachers, Postsecondary	25-1052	70	*	*	*	*	41,220
Economics Teachers, Postsecondary	25-1063	50	*	*	*	*	35,540
Political Science Teachers, Postsecondary	25-1065	60	*	*	*	*	35,330
Psychology Teachers, Postsecondary	25-1066	180	*	*	*	*	40,810
Sociology Teachers, Postsecondary	25-1067	**	*	*	*	*	39,070
Health Specialties Teachers, Postsecondary	25-1071	**	*	*	*	*	42,650
Nursing Instructors and Teachers, Postsecondary	25-1072	180	*	*	*	*	42,240
Education Teachers, Postsecondary	25-1081	250	*	*	*	*	43,130
Art, Drama, and Music Teachers, Postsecondary	25-1121	370	*	*	*	*	36,580
Communications Teachers, Postsecondary	25-1122	90	*	*	*	*	37,650
English Language and Literature Teachers, Postsecondary	25-1123	210	*	*	*	*	38,430
Foreign Language and Literature Teachers, Postsecondary	25-1124	**	*	*	*	*	39,440
History Teachers, Postsecondary	25-1125	**	*	*	*	*	47,630
Philosophy and Religion Teachers, Postsecondary	25-1126	110	*	*	*	*	37,620
Graduate Teaching Assistants	25-1191	**	*	*	*	*	18,230
Recreation and Fitness Studies Teachers, Postsecondary	25-1193	80	*	*	*	*	36,000
Vocational Education Teachers, Postsecondary	25-1194	1,280	19.31	13.96	19.25	22.26	40,170
Preschool Teachers, Except Special Education	25-2011	1,900	8.03	6.32	7.24	8.91	16,690
Kindergarten Teachers, Except Special Education	25-2012	810	*	*	*	*	28,770
Elementary School Teachers, Except Special Education	25-2021	5,530	*	*	*	*	31,980
Middle School Teachers, Except Special and Vocational Education	25-2022	2,500	*	*	*	*	34,750
Vocational Education Teachers, Middle School	25-2023	140	*	*	*	*	42,290
Secondary School Teachers, Except Special and Vocational Education	25-2031	3,820	*	*	*	*	32,850
Vocational Education Teachers, Secondary School	25-2032	450	*	*	*	*	42,660
Special Education Teachers, Preschool, Kindergarten, and Elementary School	25-2041	720	*	*	*	*	34,040
Special Education Teachers, Middle School	25-2042	320	*	*	*	*	37,200
Special Education Teachers, Secondary School	25-2043	480	*	*	*	*	35,340
Adult Literacy, Remedial Education, and Ged Teachers and Instructors	25-3011	**	14.11	8.56	14.39	19.34	29,360
Self-Enrichment Education Teachers	25-3021	730	15.69	6.89	15.90	23.75	32,640
Archivists, Curators, and Museum Technicians	25-4010	60	16.69	12.57	14.37	21.29	34,720
Librarians	25-4021	650	17.58	14.17	17.03	21.17	36,560
Library Technicians	25-4031	450	8.83	6.49	8.31	10.88	18,360
Farm and Home Management Advisors	25-9021	**	21.21	19.09	21.96	24.61	44,110
Instructional Coordinators	25-9031	520	19.70	14.98	17.88	24.68	40,980
Teacher Assistants	25-9041	2,860	*	*	*	*	14,490

Arts, Design, Entertainment, Sports, and Media Occupations



OKC MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Arts, Design, Entertainment, Sports, and Media Occupations	27-0000	5,690	15.26	8.97	13.34	18.81	31,730
Art Directors	27-1011	70	18.72	12.15	15.64	21.72	38,930
Multi-Media Artists and Animators	27-1014	120	16.52	12.97	16.46	19.88	34,360
Commercial and Industrial Designers	27-1021	60	19.19	13.79	18.14	22.43	39,910
Floral Designers	27-1023	350	9.88	7.90	8.81	11.28	20,550
Graphic Designers	27-1024	390	14.03	9.56	13.59	16.42	29,180
Interior Designers	27-1025	60	15.77	12.67	14.58	17.96	32,800
Merchandise Displayers and Window Trimmers	27-1026	180	11.60	8.72	10.93	14.62	24,120
Producers and Directors	27-2012	180	*	*	*	*	44,330
Coaches and Scouts	27-2022	290	*	*	*	*	31,470
Choreographers	27-2032	70	9.91	6.49	8.10	13.44	20,610
Musicians and Singers	27-2042	**	*	*	*	*	47,230
News Analysts, Reporters and Correspondents	27-3020	340	17.63	10.46	12.98	18.82	36,670
Public Relations Specialists	27-3031	450	19.07	13.66	18.85	24.09	39,670
Editors	27-3041	280	16.43	12.12	15.26	21.04	34,180
Technical Writers	27-3042	330	18.46	15.19	18.69	21.57	38,400
Writers and Authors	27-3043	180	18.50	13.52	17.63	22.93	38,480
Audio and Video Equipment Technicians	27-4011	130	11.20	8.96	10.58	12.85	23,290
Broadcast Technicians	27-4012	130	14.22	11.17	12.89	15.84	29,570
Photographers	27-4021	320	10.56	8.01	9.72	12.40	21,970
Camera Operators, Television, Video, and Motion Picture	27-4031	120	11.80	9.02	10.44	13.82	24,550

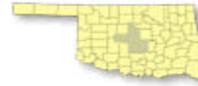


Healthcare Practitioners and Technical Occupations

OKC MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Healthcare Practitioners and Technical Occupations	29-0000	26,610	21.88	12.64	17.76	24.71	45,510
Dietitians and Nutritionists	29-1031	170	21.47	15.42	18.70	23.89	44,660
Optometrists	29-1041	130	48.35	38.96	42.95	65.04	100,560
Pharmacists	29-1051	970	32.27	29.13	32.72	36.71	67,120
Family and General Practitioners	29-1062	990	62.33	57.74	#	#	129,640
Internists, General	29-1063	130	62.78	60.02	67.77	#	130,580
Pediatricians, General	29-1065	**	61.54	60.33	#	#	128,010
Physician Assistants	29-1071	**	16.89	10.93	13.32	17.36	35,130
Registered Nurses	29-1111	8,400	20.31	17.18	19.95	23.17	42,250
Occupational Therapists	29-1122	360	24.69	18.41	24.19	29.08	51,350
Physical Therapists	29-1123	610	27.72	23.27	26.37	32.83	57,650
Radiation Therapists	29-1124	90	22.12	17.01	21.13	25.82	46,010
Recreational Therapists	29-1125	140	14.87	12.07	14.32	16.83	30,930
Respiratory Therapists	29-1126	280	17.78	15.18	16.96	20.11	36,990
Speech-Language Pathologists	29-1127	430	20.56	15.40	18.87	24.29	42,760
Veterinarians	29-1131	210	25.86	16.40	24.67	34.20	53,790
Medical and Clinical Laboratory Technologists	29-2011	790	17.94	15.47	18.72	21.03	37,310
Medical and Clinical Laboratory Technicians	29-2012	420	12.43	9.97	12.03	15.03	25,850
Dental Hygienists	29-2021	830	24.60	23.66	25.32	26.98	51,160
Cardiovascular Technologists and Technicians	29-2031	160	14.04	9.60	11.72	18.36	29,200
Diagnostic Medical Sonographers	29-2032	180	22.03	19.24	23.38	26.21	45,820
Nuclear Medicine Technologists	29-2033	60	23.92	18.80	23.04	27.90	49,750
Radiologic Technologists and Technicians	29-2034	600	16.58	13.90	16.15	19.23	34,480
Emergency Medical Technicians and Paramedics	29-2041	620	10.07	7.56	9.31	11.93	20,950
Dietetic Technicians	29-2051	100	8.74	7.53	8.30	9.56	18,180
Pharmacy Technicians	29-2052	820	9.46	8.08	9.26	10.54	19,680
Psychiatric Technicians	29-2053	190	9.52	7.83	8.82	10.39	19,800
Respiratory Therapy Technicians	29-2054	80	15.23	12.86	15.28	17.67	31,670
Surgical Technologists	29-2055	530	13.82	11.01	13.05	15.38	28,750
Veterinary Technologists and Technicians	29-2056	500	10.97	9.08	10.63	13.37	22,820
Licensed Practical and Licensed Vocational Nurses	29-2061	4,100	12.82	11.26	12.65	14.07	26,670
Medical Records and Health Information Technicians	29-2071	830	11.43	8.26	11.36	13.35	23,760
Opticians, Dispensing	29-2081	180	10.26	8.49	11.21	12.40	21,340
Occupational Health and Safety Specialists and Technicians	29-9010	140	21.37	15.05	21.41	26.58	44,460

Healthcare Support Occupations



OKC MSA

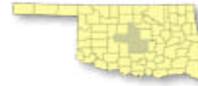
Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Healthcare Support Occupations	31-0000	14,260	9.11	7.14	8.50	10.47	18,950
Home Health Aides	31-1011	2,440	7.84	6.46	7.62	8.72	16,310
Nursing Aides, Orderlies, and Attendants	31-1012	6,640	8.01	6.84	7.90	9.03	16,650
Occupational Therapist Assistants	31-2011	200	13.87	9.56	14.96	16.83	28,840
Physical Therapist Assistants	31-2021	300	15.90	13.72	15.84	18.76	33,080
Physical Therapist Aides	31-2022	200	8.98	7.57	8.52	10.59	18,680
Dental Assistants	31-9091	1,270	12.42	10.33	12.31	14.67	25,840
Medical Assistants	31-9092	1,140	10.04	8.55	9.66	10.89	20,880
Medical Equipment Preparers	31-9093	**	9.29	7.53	9.07	10.84	19,320
Medical Transcriptionists	31-9094	660	12.44	10.49	12.46	14.45	25,880
Pharmacy Aides	31-9095	280	7.85	6.54	7.61	9.27	16,330
Veterinary Assistants and Laboratory Animal Caretakers	31-9096	180	8.30	6.32	7.53	9.87	17,270

Protective Service Occupations



OKC MSA

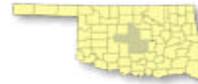
Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Protective Service Occupations	33-0000	11,880	14.92	10.16	13.70	19.02	31,030
First-Line Supervisors/Managers of Police and Detectives	33-1012	220	24.67	17.57	24.53	30.74	51,320
First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	33-1021	140	22.54	16.52	21.19	28.17	46,890
Fire Inspectors and Investigators	33-2021	40	23.42	17.38	23.27	29.94	48,720
Correctional Officers and Jailers	33-3012	980	11.87	8.23	9.35	16.89	24,690
Police and Sheriff's Patrol Officers	33-3051	2,340	18.05	13.59	17.78	22.61	37,550
Gaming Surveillance Officers and Gaming Investigators	33-9031	30	10.68	7.51	8.59	10.47	22,210
Security Guards	33-9032	3,690	10.78	8.06	10.88	12.95	22,410



Food Preparation and Serving Related Occupations

OKC MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Food Preparation and Serving Related Occupations	35-0000	41,880	7.07	5.98	6.62	7.82	14,700
Chefs and Head Cooks	35-1011	530	9.69	7.21	9.11	10.76	20,150
First-Line Supervisors/Managers of Food Preparation and Serving Workers	35-1012	2,090	10.18	7.67	9.66	12.00	21,180
Cooks, Fast Food	35-2011	3,370	7.21	6.05	6.80	7.98	15,000
Cooks, Institution and Cafeteria	35-2012	2,470	7.43	6.16	7.08	8.53	15,460
Cooks, Restaurant	35-2014	1,960	8.18	7.35	8.13	8.97	17,020
Cooks, Short Order	35-2015	**	6.58	5.89	6.41	6.93	13,680
Food Preparation Workers	35-2021	1,580	6.87	5.99	6.60	7.67	14,280
Bartenders	35-3011	**	6.14	5.63	6.07	6.51	12,770
Combined Food Preparation and Serving Workers, Including Fast Food	35-3021	11,810	6.60	5.89	6.46	7.11	13,730
Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	35-3022	**	6.47	5.86	6.36	6.87	13,460
Waiters and Waitresses	35-3031	7,390	7.05	6.04	6.66	7.76	14,660
Food Servers, Nonrestaurant	35-3041	700	7.83	6.41	7.34	9.00	16,290
Dining Room and Cafeteria Attendants and Bartender Helpers	35-9011	970	6.46	5.92	6.44	6.97	13,440
Dishwashers	35-9021	1,250	6.73	6.05	6.67	7.53	13,990
Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	35-9031	1,130	7.13	6.10	6.81	8.15	14,830

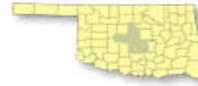


Building and Grounds Cleaning and Maintenance Occupations

OKC MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Building and Grounds Cleaning and Maintenance Occupations	37-0000	16,510	8.12	6.48	7.60	8.91	16,900
First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	37-1011	880	11.89	9.37	11.61	13.64	24,730
First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	37-1012	310	11.62	9.11	10.49	13.58	24,170
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	37-2011	8,760	7.77	6.39	7.44	8.54	16,150
Maids and Housekeeping Cleaners	37-2012	3,280	7.04	6.17	6.89	7.93	14,650
Pest Control Workers	37-2021	30	6.67	6.08	6.63	7.19	13,880
Landscaping and Groundskeeping Workers	37-3011	2,760	8.72	6.96	8.20	9.87	18,150
Pesticide Handlers, Sprayers, and Applicators, Vegetation	37-3012	30	9.16	7.90	8.75	10.27	19,050
Tree Trimmers and Pruners	37-3013	**	8.67	7.73	8.65	9.91	18,030

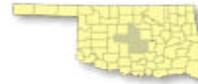
Personal Care and Service Occupations



OKC MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Personal Care and Service Occupations	39-0000	7,610	8.18	6.25	7.12	9.00	17,010
Gaming Supervisors	39-1011	40	9.32	7.30	9.58	10.80	19,380
Slot Key Persons	39-1012	50	7.98	6.25	7.13	9.25	16,600
First-Line Supervisors/Managers of Personal Service Workers	39-1021	380	12.30	8.70	11.20	13.66	25,580
Nonfarm Animal Caretakers	39-2021	480	9.25	6.72	9.15	10.86	19,230
Gaming and Sports Book Writers and Runners	39-3012	**	6.89	6.02	6.64	7.64	14,340
Ushers, Lobby Attendants, and Ticket Takers	39-3031	140	6.31	5.80	6.29	6.83	13,130
Amusement and Recreation Attendants	39-3091	550	7.09	5.91	6.51	7.39	14,760
Locker Room, Coatroom, and Dressing Room Attendants	39-3093	60	7.53	6.69	7.58	8.40	15,660
Funeral Attendants	39-4021	90	8.25	6.76	8.09	10.00	17,150
Barbers	39-5011	40	11.14	7.21	8.63	12.93	23,170
Hairdressers, Hairstylists, and Cosmetologists	39-5012	900	8.29	6.99	8.00	9.44	17,250
Baggage Porters and Bellhops	39-6011	50	6.50	5.86	6.33	6.79	13,520
Child Care Workers	39-9011	1,790	6.63	5.96	6.50	7.13	13,800
Personal and Home Care Aides	39-9021	550	8.44	6.52	7.32	8.43	17,550
Fitness Trainers and Aerobics Instructors	39-9031	850	10.53	6.63	9.76	13.45	21,900
Recreation Workers	39-9032	830	7.95	6.40	7.19	8.53	16,540
Residential Advisors	39-9041	90	8.84	6.95	8.28	10.21	18,380

Sales and Related Occupations



OKC MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Sales and Related Occupations	41-0000	52,800	11.96	6.65	8.68	13.45	24,870
First-Line Supervisors/Managers of Retail Sales Workers	41-1011	4,660	13.83	9.20	12.13	16.67	28,760
First-Line Supervisors/Managers of Non-Retail Sales Workers	41-1012	1,160	20.18	13.40	17.99	24.63	41,960
Cashiers	41-2011	11,960	6.92	5.96	6.60	7.67	14,390
Gaming Change Persons and Booth Cashiers	41-2012	110	6.17	5.82	6.26	6.71	12,840
Counter and Rental Clerks	41-2021	1,710	9.69	7.27	9.57	11.78	20,160
Parts Salespersons	41-2022	1,370	11.01	7.90	10.15	13.44	22,900
Retail Salespersons	41-2031	17,710	9.83	6.48	8.21	10.78	20,450
Advertising Sales Agents	41-3011	410	20.37	10.82	15.74	22.07	42,380
Insurance Sales Agents	41-3021	1,590	25.82	14.23	18.18	32.70	53,710
Securities, Commodities, and Financial Services Sales Agents	41-3031	550	33.77	15.95	26.90	51.45	70,230
Travel Agents	41-3041	210	10.35	8.45	10.50	12.40	21,540
Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	41-4011	890	24.96	15.63	21.66	32.44	51,920
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	41-4012	4,660	18.94	12.06	16.67	22.17	39,400
Demonstrators and Product Promoters	41-9011	250	8.73	7.45	8.15	8.93	18,150
Real Estate Sales Agents	41-9022	650	17.39	8.43	12.97	29.24	36,180
Sales Engineers	41-9031	90	26.31	20.19	25.20	31.88	54,720
Telemarketers	41-9041	2,890	7.95	7.15	7.87	8.57	16,540
Door-To-Door Sales Workers, News and Street Vendors, and Related Workers	41-9091	90	18.63	10.01	19.28	24.38	38,750

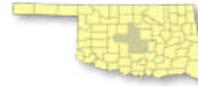
Office and Administrative Support Occupations



OKC MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Office and Administrative Support Occupations	43-0000	101,340	11.60	8.46	10.53	13.62	24,120
First-Line Supervisors/Managers of Office and Administrative Support Workers	43-1011	6,010	18.45	12.88	16.69	22.14	38,370
Switchboard Operators, Including Answering Service	43-2011	950	10.02	7.57	9.46	11.83	20,850
Bill and Account Collectors	43-3011	1,840	12.43	9.48	11.14	14.17	25,860
Billing and Posting Clerks and Machine Operators	43-3021	2,980	10.74	9.04	10.20	11.71	22,330
Bookkeeping, Accounting, and Auditing Clerks	43-3031	7,580	11.63	9.15	11.06	13.54	24,190
Payroll and Timekeeping Clerks	43-3051	910	12.15	9.52	11.77	14.00	25,270
Procurement Clerks	43-3061	710	14.71	11.92	14.93	17.40	30,590
Tellers	43-3071	2,480	9.35	8.20	9.15	10.37	19,450
Brokerage Clerks	43-4011	**	13.19	11.27	12.93	15.21	27,440
Correspondence Clerks	43-4021	240	10.91	9.00	10.46	12.39	22,690
Court, Municipal, and License Clerks	43-4031	230	11.88	9.81	10.80	12.15	24,710
Credit Authorizers, Checkers, and Clerks	43-4041	450	11.90	9.17	10.45	14.59	24,760
Customer Service Representatives	43-4051	9,140	11.09	8.66	10.49	13.00	23,070
File Clerks	43-4071	1,480	10.17	7.39	9.44	12.49	21,160
Hotel, Motel, and Resort Desk Clerks	43-4081	580	7.68	7.06	7.72	8.47	15,980
Interviewers, Except Eligibility and Loan	43-4111	640	9.79	8.15	9.55	11.32	20,360
Library Assistants, Clerical	43-4121	420	9.25	7.99	9.36	10.50	19,250
Loan Interviewers and Clerks	43-4131	520	12.92	10.25	12.20	14.41	26,880
New Accounts Clerks	43-4141	300	11.57	9.68	11.02	12.89	24,070
Order Clerks	43-4151	860	10.43	7.96	9.64	11.98	21,690
Human Resources Assistants, Except Payroll and Timekeeping	43-4161	560	12.79	10.32	12.49	15.16	26,600
Receptionists and Information Clerks	43-4171	5,580	9.99	8.00	9.56	11.85	20,770
Cargo and Freight Agents	43-5011	80	14.73	10.96	14.41	17.65	30,640
Couriers and Messengers	43-5021	490	8.23	6.72	7.82	8.97	17,110
Police, Fire, and Ambulance Dispatchers	43-5031	420	11.41	8.40	10.80	13.64	23,730
Dispatchers, Except Police, Fire, and Ambulance	43-5032	1,140	13.71	9.90	12.25	17.06	28,520
Meter Readers, Utilities	43-5041	280	11.18	9.04	11.07	13.32	23,250
Postal Service Clerks	43-5051	200	18.70	17.78	19.02	20.26	38,890
Postal Service Mail Carriers	43-5052	1,400	18.28	17.01	18.64	20.27	38,030
Postal Service Mail Sorters, Processors, and Processing Machine Operators	43-5053	680	15.93	12.17	17.51	19.51	33,130
Production, Planning, and Expediting Clerks	43-5061	1,510	16.28	10.74	16.14	20.24	33,870
Shipping, Receiving, and Traffic Clerks	43-5071	2,940	10.57	8.02	9.97	12.62	21,990
Stock Clerks and Order Fillers	43-5081	6,300	9.74	6.89	8.41	11.45	20,260
Weighers, Measurers, Checkers, and Samplers, Recordkeeping	43-5111	460	10.98	8.85	10.38	12.49	22,840
Executive Secretaries and Administrative Assistants	43-6011	5,530	13.48	10.26	12.76	16.02	28,030
Legal Secretaries	43-6012	470	14.87	13.04	15.33	16.87	30,930
Medical Secretaries	43-6013	910	9.73	8.02	9.07	10.62	20,250
Secretaries, Except Legal, Medical, and Executive	43-6014	10,100	10.58	8.34	10.48	12.55	22,000
Computer Operators	43-9011	1,160	11.41	8.62	10.50	13.72	23,730
Data Entry Keyers	43-9021	1,930	9.72	8.07	9.56	10.77	20,220
Word Processors and Typists	43-9022	500	10.92	8.60	10.24	12.99	22,720
Desktop Publishers	43-9031	40	12.93	11.36	12.85	14.52	26,900
Insurance Claims and Policy Processing Clerks	43-9041	1,220	14.74	11.42	13.55	17.40	30,650
Mail Clerks and Mail Machine Operators, Except Postal Service	43-9051	770	9.51	7.68	9.33	11.21	19,780
Office Clerks, General	43-9061	13,390	9.35	7.35	8.85	10.74	19,460
Office Machine Operators, Except Computer	43-9071	520	11.51	8.32	10.86	14.39	23,940
Proofreaders and Copy Markers	43-9081	100	9.63	7.35	9.17	11.22	20,040
Statistical Assistants	43-9111	40	11.56	8.86	11.48	13.74	24,040

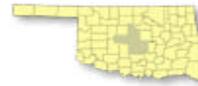
Farming, Fishing, and Forestry Occupations



OKC MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Farming, Fishing, and Forestry Occupations	45-0000	530	10.69	7.79	9.66	12.75	22,230
Agricultural Inspectors	45-2011	180	11.76	8.21	11.74	14.68	24,470
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	45-2092	100	8.15	6.96	8.05	9.35	16,950
Farmworkers, Farm and Ranch Animals	45-2093	150	9.83	7.69	9.67	11.47	20,450

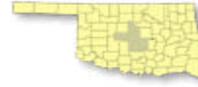
Construction and Extraction Occupations



OKC MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Construction and Extraction Occupations	47-0000	25,910	14.28	10.19	13.08	17.74	29,700
First-Line Supervisors/Managers of Construction Trades and Extraction Workers	47-1011	2,020	21.59	17.68	21.12	25.84	44,910
Boilermakers	47-2011	40	9.90	7.54	8.29	9.03	20,580
Brickmasons and Blockmasons	47-2021	**	18.53	17.05	19.28	21.19	38,540
Carpenters	47-2031	2,680	12.49	9.45	11.44	14.97	25,980
Tile and Marble Setters	47-2044	**	12.16	9.29	10.54	15.82	25,290
Cement Masons and Concrete Finishers	47-2051	1,030	11.30	9.09	10.85	13.53	23,500
Construction Laborers	47-2061	3,580	10.96	9.21	11.24	12.58	22,790
Paving, Surfacing, and Tamping Equipment Operators	47-2071	420	12.11	9.50	10.86	13.35	25,190
Operating Engineers and Other Construction Equipment Operators	47-2073	600	13.63	11.54	13.05	15.60	28,350
Drywall and Ceiling Tile Installers	47-2081	460	14.68	13.08	14.82	16.47	30,540
Electricians	47-2111	2,360	16.72	12.10	16.18	20.03	34,780
Glaziers	47-2121	220	12.33	10.24	12.32	14.37	25,640
Insulation Workers	47-2130	760	15.39	11.35	13.80	20.25	32,020
Painters, Construction and Maintenance	47-2141	1,210	12.70	9.34	12.47	16.12	26,420
Pipelayers	47-2151	230	12.26	9.72	11.45	15.23	25,490
Plumbers, Pipefitters, and Steamfitters	47-2152	1,140	17.52	12.01	16.83	22.24	36,450
Roofers	47-2181	410	14.13	10.51	13.32	16.65	29,390
Sheet Metal Workers	47-2211	1,840	17.74	15.02	18.44	20.78	36,910
Structural Iron and Steel Workers	47-2221	290	16.71	14.74	17.00	19.27	34,760
Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	47-3011	150	10.73	9.30	10.49	12.39	22,320
Helpers--Carpenters	47-3012	240	8.60	6.70	7.89	9.72	17,880
Helpers--Electricians	47-3013	750	11.05	8.79	10.96	13.10	22,990
Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	47-3014	90	7.89	6.91	7.80	8.80	16,410
Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	47-3015	240	9.60	7.50	8.45	11.57	19,970
Helpers--Roofers	47-3016	200	12.02	9.41	11.27	15.06	25,000
Construction and Building Inspectors	47-4011	830	17.55	15.46	18.09	20.06	36,510
Elevator Installers and Repairers	47-4021	**	21.00	19.52	20.88	22.24	43,680
Hazardous Materials Removal Workers	47-4041	150	12.81	11.97	12.76	13.56	26,650
Highway Maintenance Workers	47-4051	950	9.95	7.87	8.73	10.95	20,700
Derrick Operators, Oil and Gas	47-5011	470	12.67	10.21	11.77	14.96	26,350
Rotary Drill Operators, Oil and Gas	47-5012	190	16.73	11.31	13.35	17.14	34,800
Service Unit Operators, Oil, Gas, and Mining	47-5013	**	18.75	15.65	18.37	20.49	38,990
Earth Drillers, Except Oil and Gas	47-5021	310	14.42	10.98	15.14	17.62	29,990
Roustabouts, Oil and Gas	47-5071	370	12.43	10.39	12.44	14.81	25,860
Helpers--Extraction Workers	47-5081	430	12.13	10.10	11.69	14.40	25,240

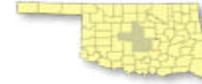
Installation, Maintenance, and Repair Occupations



OKC MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Installation, Maintenance, and Repair Occupations	49-0000	27,830	15.24	10.45	14.71	19.58	31,690
First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	49-1011	1,780	21.18	15.61	21.32	26.51	44,050
Computer, Automated Teller, and Office Machine Repairers	49-2011	1,210	11.88	7.08	10.45	15.32	24,700
Telecommunications Equipment Installers and Repairers, Except Line Installers	49-2022	1,950	21.96	19.27	22.59	25.72	45,670
Avionics Technicians	49-2091	410	18.18	17.32	18.89	20.43	37,820
Electric Motor, Power Tool, and Related Repairers	49-2092	110	14.74	10.35	13.85	17.49	30,660
Electrical and Electronics Repairers, Commercial and Industrial Equipment	49-2094	860	16.07	11.77	15.90	20.47	33,430
Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	49-2095	70	23.82	22.89	24.87	26.78	49,540
Electronic Equipment Installers and Repairers, Motor Vehicles	49-2096	90	15.96	11.72	16.04	20.64	33,190
Electronic Home Entertainment Equipment Installers and Repairers	49-2097	260	12.52	9.50	12.63	15.64	26,040
Security and Fire Alarm Systems Installers	49-2098	80	11.37	6.73	9.98	15.33	23,640
Aircraft Mechanics and Service Technicians	49-3011	2,550	17.12	14.32	17.78	20.08	35,600
Automotive Body and Related Repairers	49-3021	1,200	14.85	11.63	14.86	17.07	30,890
Automotive Glass Installers and Repairers	49-3022	40	13.23	10.32	12.58	14.87	27,520
Automotive Service Technicians and Mechanics	49-3023	2,630	13.58	10.25	12.98	16.47	28,250
Bus and Truck Mechanics and Diesel Engine Specialists	49-3031	1,300	14.87	11.62	14.27	17.37	30,930
Mobile Heavy Equipment Mechanics, Except Engines	49-3042	440	15.36	12.30	14.28	17.53	31,950
Motorboat Mechanics	49-3051	60	12.48	8.15	11.11	15.40	25,950
Motorcycle Mechanics	49-3052	30	18.29	12.36	17.74	24.90	38,040
Outdoor Power Equipment and Other Small Engine Mechanics	49-3053	**	6.78	5.63	6.10	6.58	14,100
Recreational Vehicle Service Technicians	49-3092	30	14.68	12.21	15.28	17.03	30,530
Tire Repairers and Changers	49-3093	640	8.52	7.53	8.19	9.27	17,730
Mechanical Door Repairers	49-9011	**	12.37	9.67	11.24	13.09	25,730
Control and Valve Installers and Repairers, Except Mechanical Door	49-9012	510	18.88	17.53	19.22	20.96	39,270
Heating, Air Conditioning, and Refrigeration Mechanics	49-9021	670	15.03	11.23	14.83	17.46	31,250
Home Appliance Repairers	49-9031	**	14.94	11.00	14.60	18.04	31,070
Industrial Machinery Mechanics	49-9041	690	16.25	12.85	15.89	19.54	33,790
Maintenance and Repair Workers, General	49-9042	4,050	12.14	9.31	11.61	14.59	25,240
Maintenance Workers, Machinery	49-9043	390	14.40	11.71	14.06	17.12	29,950
Millwrights	49-9044	**	11.96	8.46	9.94	14.72	24,870
Electrical Power-Line Installers and Repairers	49-9051	440	20.35	16.82	21.60	24.89	42,330
Telecommunications Line Installers and Repairers	49-9052	1,560	17.67	11.59	17.77	24.27	36,750
Locksmiths and Safe Repairers	49-9094	**	15.07	14.35	15.24	16.14	31,350
Riggers	49-9096	50	15.75	12.25	15.83	17.49	32,760
Helpers--Installation, Maintenance, and Repair Workers	49-9098	1,090	11.06	7.28	8.89	14.45	23,000

Production Occupations



OKC MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Production Occupations	51-0000	38,230	12.86	8.32	11.20	15.76	26,750
First-Line Supervisors/Managers of Production and Operating Workers	51-1011	2,440	19.94	14.14	18.98	24.70	41,480
Coil Winders, Tapers, and Finishers	51-2021	110	12.82	11.11	13.17	15.05	26,670
Electrical and Electronic Equipment Assemblers	51-2022	420	10.10	9.06	10.09	11.10	21,000
Electromechanical Equipment Assemblers	51-2023	**	10.59	9.71	10.44	11.17	22,020
Structural Metal Fabricators and Fitters	51-2041	680	11.92	9.93	11.97	13.81	24,800
Team Assemblers	51-2092	4,010	9.70	7.67	8.93	11.23	20,170
Bakers	51-3011	400	8.64	7.34	8.12	9.02	17,970
Butchers and Meat Cutters	51-3021	500	11.33	9.37	11.27	13.16	23,570
Food Batchmakers	51-3092	500	9.39	6.91	9.38	11.88	19,530
Computer-Controlled Machine Tool Operators, Metal and Plastic	51-4011	430	12.77	10.02	13.32	15.75	26,570
Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	51-4021	360	10.63	7.97	10.22	12.88	22,110
Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	51-4023	200	11.67	8.77	11.93	14.21	24,270
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	51-4031	940	12.20	8.93	12.19	15.24	25,370
Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4032	160	13.47	11.34	13.06	15.45	28,020
Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4033	120	9.82	7.97	9.14	11.24	20,430
Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4034	**	10.21	7.56	8.38	12.54	21,230
Machinists	51-4041	1,950	14.27	10.48	14.03	17.48	29,690
Foundry Mold and Coremakers	51-4071	70	10.88	8.28	9.47	13.11	22,620
Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	51-4072	130	10.10	8.17	9.80	11.32	21,010
Multiple Machine Tool Setters, Operators/Tenders, Metal/Plastic	51-4081	640	11.84	9.46	11.90	14.08	24,630
Tool and Die Makers	51-4111	190	24.63	19.46	24.64	31.20	51,230
Welders, Cutters, Solderers, and Brazers	51-4121	2,360	13.66	10.39	12.47	15.17	28,410
Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	51-4122	500	12.69	10.52	12.62	14.85	26,400
Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	51-4191	70	15.48	12.08	14.95	18.40	32,210
Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	51-4193	310	13.15	9.27	12.97	16.96	27,350
Tool Grinders, Filers, and Sharpeners	51-4194	70	14.40	10.17	13.71	17.49	29,950
Bindery Workers	51-5011	330	9.60	6.87	9.22	11.68	19,960
Job Printers	51-5021	200	13.08	9.72	13.31	16.05	27,200
Prepress Technicians and Workers	51-5022	360	12.82	9.96	12.76	15.21	26,660
Printing Machine Operators	51-5023	950	12.53	9.39	12.52	15.46	26,060
Laundry and Dry-Cleaning Workers	51-6011	780	7.91	6.17	6.95	9.51	16,450
Pressers, Textile, Garment, and Related Materials	51-6021	370	6.99	6.23	6.96	7.92	14,530
Sewing Machine Operators	51-6031	730	7.74	6.39	7.35	8.67	16,090
Sewers, Hand	51-6051	**	9.37	8.84	9.57	10.37	19,500
Tailors, Dressmakers, and Custom Sewers	51-6052	90	9.64	7.77	9.67	11.23	20,050
Upholsterers	51-6093	**	8.35	6.50	7.74	9.84	17,360
Cabinetmakers and Bench Carpenters	51-7011	670	11.05	9.24	11.38	13.06	22,970
Furniture Finishers	51-7021	60	11.14	9.51	11.30	12.89	23,170
Sawing Machine Setters, Operators, and Tenders, Wood	51-7041	50	8.38	6.09	7.88	10.20	17,430
Woodworking Machine Setters, Operators, and Tenders, Except Sawing	51-7042	160	8.96	7.64	8.66	10.26	18,640
Power Distributors and Dispatchers	51-8012	80	24.93	22.99	25.14	27.32	51,850

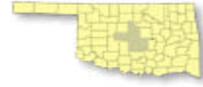
Production Occupations



OKC MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Power Plant Operators	51-8013	90	21.84	19.26	23.15	25.70	45,430
Stationary Engineers and Boiler Operators	51-8021	110	18.08	14.31	16.31	20.67	37,610
Water and Liquid Waste Treatment Plant and System Operators	51-8031	400	11.65	8.52	11.06	14.65	24,240
Chemical Plant and System Operators	51-8091	130	20.59	17.27	20.22	24.13	42,820
Gas Plant Operators	51-8092	40	23.52	21.10	23.92	26.35	48,930
Petroleum Pump System Operators, Refinery Operators, and Gaugers	51-8093	280	18.58	15.79	17.43	20.87	38,640
Chemical Equipment Operators and Tenders	51-9011	**	15.19	12.89	15.03	17.32	31,600
Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	51-9012	40	11.24	8.84	11.40	13.07	23,370
Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	51-9021	190	9.91	8.10	9.30	10.68	20,600
Grinding and Polishing Workers, Hand	51-9022	40	13.43	8.26	10.30	18.76	27,940
Mixing and Blending Machine Setters, Operators, and Tenders	51-9023	140	13.12	10.65	13.60	15.68	27,280
Cutters and Trimmers, Hand	51-9031	50	9.49	7.33	8.40	10.83	19,740
Cutting and Slicing Machine Setters, Operators, and Tenders	51-9032	160	10.53	7.31	11.52	13.27	21,900
Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	51-9041	**	10.72	8.58	11.07	12.95	22,300
Inspectors, Testers, Sorters, Samplers, and Weighers	51-9061	2,200	14.28	8.98	13.99	18.38	29,700
Jewelers and Precious Stone and Metal Workers	51-9071	60	12.84	8.09	10.64	16.36	26,700
Dental Laboratory Technicians	51-9081	**	12.14	9.15	10.95	14.55	25,260
Ophthalmic Laboratory Technicians	51-9083	**	8.70	6.42	7.94	11.57	18,100
Packaging and Filling Machine Operators and Tenders	51-9111	650	10.06	7.94	10.10	12.28	20,930
Painters, Transportation Equipment	51-9122	400	13.61	10.83	13.84	16.10	28,310
Painting, Coating, and Decorating Workers	51-9123	120	9.98	8.76	10.08	11.62	20,750
Photographic Process Workers	51-9131	220	8.35	6.41	8.69	10.14	17,360
Photographic Processing Machine Operators	51-9132	**	7.35	6.18	7.16	8.34	15,300
Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	51-9192	40	9.98	8.20	9.75	11.21	20,760
Etchers and Engravers	51-9194	40	8.46	6.88	8.39	9.84	17,600
Paper Goods Machine Setters, Operators, and Tenders	51-9196	240	11.33	9.38	11.80	13.32	23,570
Helpers--Production Workers	51-9198	1,790	7.78	6.51	7.29	8.72	16,180

Transportation and Material Moving Occupations



OKC MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Transportation and Material Moving Occupations	53-0000	38,040	11.38	7.21	9.60	13.49	23,670
Aircraft Cargo Handling Supervisors	53-1011	40	14.98	11.29	13.49	16.61	31,160
First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	53-1021	810	16.45	10.44	15.36	22.43	34,210
First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	53-1031	680	21.90	15.91	20.03	25.91	45,540
Airline Pilots, Copilots, and Flight Engineers	53-2011	120	*	*	*	*	72,040
Commercial Pilots	53-2012	40	*	*	*	*	59,140
Bus Drivers, Transit and Intercity	53-3021	560	11.84	8.58	12.37	15.33	24,620
Bus Drivers, School	53-3022	1,330	7.59	6.12	7.05	8.79	15,790
Driver/Sales Workers	53-3031	2,620	10.88	6.62	10.01	13.08	22,630
Truck Drivers, Heavy and Tractor-Trailer	53-3032	7,500	15.28	10.99	13.94	17.58	31,780
Truck Drivers, Light Or Delivery Services	53-3033	4,170	10.16	7.37	9.04	11.58	21,130
Taxi Drivers and Chauffeurs	53-3041	390	8.32	7.34	8.33	9.58	17,310
Parking Lot Attendants	53-6021	280	6.79	5.93	6.53	7.45	14,120
Service Station Attendants	53-6031	120	7.00	6.08	6.70	7.75	14,570
Traffic Technicians	53-6041	40	13.73	9.04	13.80	17.97	28,570
Transportation Inspectors	53-6051	190	32.01	23.80	35.67	41.08	66,590
Conveyor Operators and Tenders	53-7011	170	11.08	7.83	10.45	14.00	23,050
Crane and Tower Operators	53-7021	120	19.43	16.13	20.16	22.54	40,420
Excavating and Loading Machine and Dragline Operators	53-7032	210	12.36	10.04	11.31	13.39	25,710
Industrial Truck and Tractor Operators	53-7051	1,520	11.25	9.23	11.02	12.93	23,410
Cleaners of Vehicles and Equipment	53-7061	1,660	8.37	6.08	7.17	9.54	17,410
Laborers and Freight, Stock, and Material Movers, Hand	53-7062	8,980	8.88	6.98	8.17	10.19	18,470
Machine Feeders and Offbearers	53-7063	490	10.31	7.80	9.07	13.45	21,440
Packers and Packagers, Hand	53-7064	2,180	7.71	6.23	7.11	8.54	16,040
Pump Operators, Except Wellhead Pumpers	53-7072	**	6.44	5.80	6.25	6.71	13,400
Wellhead Pumpers	53-7073	450	17.74	11.31	18.80	22.25	36,910
Refuse and Recyclable Material Collectors	53-7081	**	8.17	6.28	6.97	9.03	16,990

Management Occupations



Tulsa MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Management Occupations	11-0000	24,930	30.45	17.82	26.88	39.67	63,340
Chief Executives	11-1011	1,920	46.67	29.59	47.37	#	97,080
General and Operations Managers	11-1021	8,140	31.66	17.55	26.98	42.66	65,850
Legislators	11-1031	**	8.98	5.89	6.36	6.83	18,680
Advertising and Promotions Managers	11-2011	290	25.77	17.55	24.83	31.69	53,600
Marketing Managers	11-2021	570	33.51	22.35	31.39	44.62	69,700
Sales Managers	11-2022	1,250	36.68	22.70	34.15	50.29	76,300
Public Relations Managers	11-2031	190	22.87	15.81	19.62	27.19	47,570
Administrative Services Managers	11-3011	1,650	20.15	10.87	17.43	26.28	41,920
Computer and Information Systems Managers	11-3021	710	31.53	21.85	29.38	39.89	65,580
Financial Managers	11-3031	2,000	30.96	19.89	29.43	40.18	64,400
Human Resources Managers	11-3040	820	26.10	18.96	25.06	31.76	54,280
Industrial Production Managers	11-3051	740	29.42	22.18	27.37	34.71	61,190
Purchasing Managers	11-3061	450	28.09	19.87	25.72	33.70	58,440
Transportation, Storage, and Distribution Managers	11-3071	460	26.88	17.97	27.26	34.07	55,910
Construction Managers	11-9021	490	28.54	22.61	26.85	33.76	59,350
Education Administrators, Preschool and Child Care Program	11-9031	190	12.70	8.36	11.23	15.26	26,410
Education Administrators, Elementary and Secondary School	11-9032	550	*	*	*	*	54,450
Education Administrators, Postsecondary	11-9033	150	30.67	22.99	30.37	37.19	63,790
Engineering Managers	11-9041	820	38.42	30.64	39.16	45.80	79,910
Food Service Managers	11-9051	840	15.14	12.28	14.11	16.75	31,500
Funeral Directors	11-9061	**	22.65	20.56	22.96	25.55	47,100
Lodging Managers	11-9081	60	12.47	8.24	9.66	12.99	25,940
Medical and Health Services Managers	11-9111	620	31.07	22.49	27.34	34.45	64,630
Natural Sciences Managers	11-9121	70	32.90	21.12	30.19	41.42	68,430
Postmasters and Mail Superintendents	11-9131	40	23.98	19.63	23.66	29.06	49,890
Property, Real Estate, and Community Association Managers	11-9141	360	18.16	10.64	14.69	19.95	37,760
Social and Community Service Managers	11-9151	190	16.54	10.91	16.73	20.39	34,410

Business and Financial Operations Occupations



Tulsa MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Business and Financial Operations Occupations	13-0000	13,370	21.30	14.83	19.77	26.02	44,310
Purchasing Agents and Buyers, Farm Products	13-1021	60	18.34	13.93	18.03	21.94	38,140
Wholesale and Retail Buyers, Except Farm Products	13-1022	640	19.18	12.87	17.80	24.36	39,890
Purchasing Agents, Except Wholesale, Retail, and Farm Products	13-1023	770	18.65	13.16	17.56	23.30	38,790
Insurance Appraisers, Auto Damage	13-1032	**	19.37	16.10	17.81	22.32	40,300
Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	13-1041	540	19.81	11.97	17.24	24.47	41,200
Cost Estimators	13-1051	610	19.46	13.53	18.28	23.60	40,470
Emergency Management Specialists	13-1061	40	20.49	12.82	16.18	26.46	42,610
Employment, Recruitment, and Placement Specialists	13-1071	490	16.42	12.27	14.98	19.12	34,160
Compensation, Benefits, and Job Analysis Specialists	13-1072	230	18.56	14.12	17.21	20.96	38,610
Training and Development Specialists	13-1073	920	17.38	12.27	16.55	20.92	36,150
Management Analysts	13-1111	780	30.48	20.63	28.10	37.52	63,390
Meeting and Convention Planners	13-1121	80	16.41	10.70	14.75	21.18	34,130
Accountants and Auditors	13-2011	3,550	20.72	16.09	19.79	24.48	43,110
Appraisers and Assessors of Real Estate	13-2021	110	18.77	14.01	19.30	22.23	39,050
Budget Analysts	13-2031	180	23.01	17.26	22.51	27.09	47,850
Credit Analysts	13-2041	310	18.34	12.28	15.94	22.19	38,160
Financial Analysts	13-2051	340	23.21	16.80	21.53	27.50	48,280
Personal Financial Advisors	13-2052	140	34.96	18.22	24.86	#	72,720
Financial Examiners	13-2061	110	28.80	22.54	29.07	36.17	59,900
Loan Counselors	13-2071	100	13.90	11.83	13.21	15.51	28,910
Loan Officers	13-2072	570	22.36	16.31	21.35	26.42	46,520
Tax Examiners, Collectors, and Revenue Agents	13-2081	150	22.10	13.00	22.04	30.40	45,970
Tax Preparers	13-2082	**	20.80	10.58	22.31	26.30	43,260

Computer and Mathematical Occupations



Tulsa MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Computer and Mathematical Occupations	15-0000	8,050	23.74	15.74	23.13	31.16	49,380
Computer Programmers	15-1021	1,200	28.84	21.04	27.25	35.19	59,980
Computer Software Engineers, Applications	15-1031	**	29.36	25.19	30.35	33.98	61,060
Computer Software Engineers, Systems Software	15-1032	**	32.74	27.38	32.54	39.43	68,110
Computer Support Specialists	15-1041	2,050	13.79	8.83	12.35	17.43	28,670
Computer Systems Analysts	15-1051	910	24.38	19.13	24.10	27.82	50,700
Database Administrators	15-1061	300	24.74	18.80	23.38	31.69	51,450
Network and Computer Systems Administrators	15-1071	840	22.53	17.61	22.00	26.76	46,870
Network Systems and Data Communications Analysts	15-1081	270	23.64	15.69	22.81	29.93	49,170

Architecture and Engineering Occupations



Tulsa MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Architecture and Engineering Occupations	17-0000	7,130	25.45	18.36	24.74	31.58	52,930
Architects, Except Landscape and Naval Surveyors	17-1011	**	26.86	24.07	26.26	28.87	55,870
Aerospace Engineers	17-2011	**	28.15	24.23	26.66	31.54	58,550
Biomedical Engineers	17-2031	40	24.69	19.45	23.11	30.98	51,360
Chemical Engineers	17-2041	120	38.51	28.71	37.79	47.11	80,100
Civil Engineers	17-2051	350	29.26	23.94	29.26	34.15	60,860
Computer Hardware Engineers	17-2061	70	28.16	18.80	29.23	33.67	58,580
Electrical Engineers	17-2071	290	30.45	24.47	29.80	35.86	63,340
Electronics Engineers, Except Computer	17-2072	260	28.31	22.72	27.77	34.80	58,890
Environmental Engineers	17-2081	100	25.71	19.78	24.38	30.99	53,480
Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	17-2111	100	27.80	20.81	26.43	34.07	57,830
Industrial Engineers	17-2112	590	28.00	23.47	27.18	32.88	58,240
Materials Engineers	17-2131	100	24.85	14.29	22.10	34.10	51,700
Mechanical Engineers	17-2141	700	30.45	24.65	30.39	35.96	63,340
Petroleum Engineers	17-2171	310	39.93	30.30	41.26	49.85	83,050
Architectural and Civil Drafters	17-3011	250	19.78	15.63	18.35	22.88	41,150
Electrical and Electronics Drafters	17-3012	300	21.26	15.27	20.46	26.74	44,220
Mechanical Drafters	17-3013	540	19.62	15.79	19.37	23.71	40,800
Aerospace Engineering and Operations Technicians	17-3021	270	20.88	15.81	22.27	25.86	43,430
Civil Engineering Technicians	17-3022	150	20.41	16.49	19.62	22.62	42,440
Electrical and Electronic Engineering Technicians	17-3023	370	18.83	13.16	17.32	23.49	39,170
Electro-Mechanical Technicians	17-3024	140	23.31	16.66	22.24	30.81	48,490
Environmental Engineering Technicians	17-3025	50	16.27	11.89	15.43	19.38	33,840
Industrial Engineering Technicians	17-3026	210	15.48	10.20	13.29	19.73	32,190
Mechanical Engineering Technicians	17-3027	230	18.79	14.34	17.55	22.17	39,070
Surveying and Mapping Technicians	17-3031	190	15.74	11.98	15.16	19.23	32,740

Life, Physical, and Social Science Occupations



Tulsa MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Life, Physical, and Social Science Occupations	19-0000	2,460	23.95	15.40	21.06	29.46	49,830
Medical Scientists, Except Epidemiologists	19-1042	**	24.60	19.16	24.07	28.01	51,170
Materials Scientists	19-2032	40	34.31	24.97	32.43	44.78	71,370
Environmental Scientists and Specialists, Including Health	19-2041	150	24.50	15.64	19.73	28.09	50,960
Geoscientists, Except Hydrologists and Geographers	19-2042	240	42.14	33.10	43.07	52.72	87,650
Hydrologists	19-2043	30	26.02	21.28	27.02	31.37	54,120
Market Research Analysts	19-3021	370	22.23	16.42	20.88	27.51	46,230
Clinical, Counseling, and School Psychologists	19-3031	190	19.52	15.11	18.11	23.64	40,610
Biological Technicians	19-4021	**	12.85	10.24	12.06	15.20	26,730
Chemical Technicians	19-4031	260	19.84	15.69	20.06	24.32	41,260
Geological and Petroleum Technicians	19-4041	240	15.97	12.37	16.13	19.67	33,210
Environmental and Protection Technicians, Including Health	19-4091	100	16.03	11.17	15.20	19.65	33,340

Community and Social Services Occupations



Tulsa MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Community and Social Services Occupations	21-0000	4,370	12.18	8.24	11.51	15.59	25,340
Substance Abuse and Behavioral Disorder Counselors	21-1011	60	15.78	13.69	15.64	17.99	32,830
Educational, Vocational, and School Counselors	21-1012	630	16.20	11.78	16.69	20.10	33,700
Marriage and Family Therapists	21-1013	70	18.69	17.07	18.96	20.83	38,880
Mental Health Counselors	21-1014	260	14.17	11.70	13.85	17.56	29,480
Medical and Public Health Social Workers	21-1022	170	14.91	12.60	14.38	17.09	31,020
Mental Health and Substance Abuse Social Workers	21-1023	130	14.62	12.86	14.93	16.71	30,400
Health Educators	21-1091	280	11.39	9.26	10.23	12.47	23,690
Social and Human Service Assistants	21-1093	270	12.09	8.91	12.35	15.01	25,140

Legal Occupations



Tulsa MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Legal Occupations	23-0000	2,370	31.78	19.09	26.11	41.95	66,100
Lawyers	23-1011	1,610	38.44	24.54	32.63	51.20	79,940
Paralegals and Legal Assistants	23-2011	300	16.54	12.48	15.51	20.18	34,410
Law Clerks	23-2092	140	11.24	7.35	8.35	14.56	23,370
Title Examiners, Abstractors, and Searchers	23-2093	170	18.53	12.92	18.48	22.51	38,540

Education, Training, and Library Occupations



Tulsa MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Education, Training, and Library Occupations	25-0000	19,430	14.53	10.87	14.45	17.56	30,230
Business Teachers, Postsecondary	25-1011	**	*	*	*	*	52,610
Computer Science Teachers, Postsecondary	25-1021	**	*	*	*	*	50,360
Mathematical Science Teachers, Postsecondary	25-1022	**	*	*	*	*	40,190
Nursing Instructors and Teachers, Postsecondary	25-1072	**	*	*	*	*	43,590
English Language and Literature Teachers, Postsecondary	25-1123	90	*	*	*	*	39,130
Vocational Education Teachers, Postsecondary	25-1194	330	18.41	14.28	18.32	22.53	38,300
Preschool Teachers, Except Special Education	25-2011	1,490	8.71	7.22	8.10	9.37	18,120
Kindergarten Teachers, Except Special Education	25-2012	460	*	*	*	*	30,690
Elementary School Teachers, Except Special Education	25-2021	3,940	*	*	*	*	32,510
Middle School Teachers, Except Special and Vocational Education	25-2022	2,060	*	*	*	*	32,820
Vocational Education Teachers, Middle School	25-2023	**	*	*	*	*	38,470
Secondary School Teachers, Except Special and Vocational Education	25-2031	3,340	*	*	*	*	35,010
Vocational Education Teachers, Secondary School	25-2032	240	*	*	*	*	37,680
Special Education Teachers, Preschool, Kindergarten, and Elementary School	25-2041	440	*	*	*	*	33,840
Special Education Teachers, Middle School	25-2042	**	*	*	*	*	33,780
Special Education Teachers, Secondary School	25-2043	270	*	*	*	*	36,450
Adult Literacy, Remedial Education, and Ged Teachers and Instructors	25-3011	**	18.10	13.92	16.66	21.80	37,640
Self-Enrichment Education Teachers	25-3021	**	14.36	10.53	14.18	18.25	29,870
Librarians	25-4021	390	17.05	13.93	16.58	20.01	35,470
Library Technicians	25-4031	200	8.32	6.83	8.18	9.60	17,300
Instructional Coordinators	25-9031	300	20.95	17.12	20.09	24.61	43,580
Teacher Assistants	25-9041	2,200	*	*	*	*	15,290

Arts, Design, Entertainment, Sports, and Media Occupations



Tulsa MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Arts, Design, Entertainment, Sports, and Media Occupations	27-0000	3,830	15.13	9.47	13.51	17.92	31,480
Art Directors	27-1011	80	16.35	14.21	16.37	19.65	34,000
Multi-Media Artists and Animators	27-1014	90	13.62	10.68	13.63	16.03	28,320
Commercial and Industrial Designers	27-1021	**	19.91	13.71	19.20	23.25	41,420
Floral Designers	27-1023	250	9.11	7.85	8.79	10.20	18,950
Graphic Designers	27-1024	310	16.32	11.55	14.44	18.79	33,940
Interior Designers	27-1025	50	18.72	14.09	16.96	22.60	38,940
Merchandise Displayers and Window Trimmers	27-1026	90	12.59	8.94	10.96	16.02	26,180
Producers and Directors	27-2012	140	*	*	*	*	36,390
Coaches and Scouts	27-2022	180	*	*	*	*	39,130
Choreographers	27-2032	60	13.78	10.51	13.21	16.37	28,660
Musicians and Singers	27-2042	180	*	*	*	*	40,590
Announcers	27-3010	220	8.17	6.50	7.45	8.60	16,990
News Analysts, Reporters and Correspondents	27-3020	200	15.38	8.45	11.75	16.86	31,990
Public Relations Specialists	27-3031	**	14.79	12.11	14.22	17.04	30,750
Editors	27-3041	240	14.98	10.58	13.17	17.13	31,160
Technical Writers	27-3042	100	20.34	16.31	20.08	24.94	42,300
Writers and Authors	27-3043	90	17.31	14.89	18.12	20.43	36,010
Interpreters and Translators	27-3091	60	12.96	11.26	13.46	15.49	26,960
Audio and Video Equipment Technicians	27-4011	60	15.61	11.67	14.11	19.12	32,460
Broadcast Technicians	27-4012	**	15.14	9.72	12.56	19.99	31,500
Sound Engineering Technicians	27-4014	40	16.01	11.14	15.62	18.37	33,300
Photographers	27-4021	140	11.58	8.48	10.30	14.91	24,080
Camera Operators, Television, Video, and Motion Picture	27-4031	40	10.23	7.73	8.60	11.58	21,280



Healthcare Practitioners and Technical Occupations

Tulsa MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Healthcare Practitioners and Technical Occupations	29-0000	16,380	23.77	12.88	18.85	26.54	49,430
Dietitians and Nutritionists	29-1031	130	15.88	8.62	16.91	20.02	33,040
Optometrists	29-1041	**	43.56	38.98	44.13	50.11	90,610
Pharmacists	29-1051	640	36.34	31.80	35.44	39.98	75,590
Anesthesiologists	29-1061	**	55.03	49.36	53.42	57.50	114,460
Family and General Practitioners	29-1062	720	52.43	40.72	52.99	#	109,060
Psychiatrists	29-1066	50	63.43	62.14	#	#	131,930
Physician Assistants	29-1071	120	30.51	25.47	28.62	33.69	63,450
Registered Nurses	29-1111	4,790	20.77	17.54	20.50	24.38	43,190
Occupational Therapists	29-1122	170	24.66	20.02	24.92	30.42	51,290
Physical Therapists	29-1123	360	25.82	21.96	24.97	29.04	53,720
Recreational Therapists	29-1125	50	17.89	14.34	17.25	21.14	37,210
Respiratory Therapists	29-1126	400	12.50	6.68	12.84	17.51	26,010
Speech-Language Pathologists	29-1127	220	19.28	16.11	18.50	21.70	40,110
Veterinarians	29-1131	90	27.45	16.81	22.68	34.13	57,090
Medical and Clinical Laboratory Technologists	29-2011	360	20.35	15.69	19.39	22.63	42,340
Medical and Clinical Laboratory Technicians	29-2012	440	14.44	10.68	13.31	17.48	30,040
Dental Hygienists	29-2021	270	22.13	18.97	22.39	25.76	46,030
Cardiovascular Technologists and Technicians	29-2031	150	11.95	9.32	10.33	14.04	24,870
Nuclear Medicine Technologists	29-2033	60	23.54	21.00	23.72	26.24	48,960
Radiologic Technologists and Technicians	29-2034	420	16.81	14.03	16.36	20.18	34,960
Emergency Medical Technicians and Paramedics	29-2041	270	10.34	8.01	10.13	11.76	21,510
Pharmacy Technicians	29-2052	430	9.51	7.99	9.15	10.92	19,770
Psychiatric Technicians	29-2053	230	13.54	9.57	10.52	12.36	28,160
Respiratory Therapy Technicians	29-2054	130	15.88	12.73	14.83	16.68	33,030
Surgical Technologists	29-2055	260	13.48	11.20	13.08	15.63	28,030
Veterinary Technologists and Technicians	29-2056	60	9.00	8.12	9.01	10.05	18,710
Licensed Practical and Licensed Vocational Nurses	29-2061	2,560	13.96	11.38	12.89	15.04	29,040
Medical Records and Health Information Technicians	29-2071	430	10.84	8.92	10.28	12.14	22,550
Occupational Health and Safety Specialists and Technicians	29-9010	110	24.69	18.54	21.67	28.94	51,360

Healthcare Support Occupations



Tulsa MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Healthcare Support Occupations	31-0000	9,220	9.33	7.59	8.79	10.47	19,410
Home Health Aides	31-1011	1,180	8.63	7.50	8.46	9.83	17,950
Nursing Aides, Orderlies, and Attendants	31-1012	4,660	8.32	7.27	8.16	9.14	17,300
Occupational Therapist Assistants	31-2011	60	16.69	14.03	16.01	19.34	34,710
Physical Therapist Assistants	31-2021	90	17.44	15.13	17.11	20.02	36,270
Physical Therapist Aides	31-2022	**	9.46	8.61	9.47	10.36	19,680
Dental Assistants	31-9091	720	12.20	10.10	11.89	13.34	25,370
Medical Assistants	31-9092	1,130	10.58	9.37	10.36	11.75	22,010
Medical Transcriptionists	31-9094	260	12.26	9.59	12.39	15.14	25,490
Pharmacy Aides	31-9095	120	8.66	7.16	8.34	9.84	18,020
Veterinary Assistants and Laboratory Animal Caretakers	31-9096	290	7.14	6.21	6.91	8.08	14,850

Protective Service Occupations



Tulsa MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Protective Service Occupations	33-0000	7,950	12.21	8.01	10.94	15.70	25,400
First-Line Supervisors/Managers of Correctional Officers	33-1011	60	14.18	10.14	13.23	17.24	29,490
First-Line Supervisors/Managers of Police and Detectives	33-1012	140	19.29	14.12	20.10	22.59	40,120
First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	33-1021	120	19.41	15.13	18.04	23.00	40,370
Fire Fighters	33-2011	**	16.61	15.49	16.59	17.69	34,550
Correctional Officers and Jailers	33-3012	460	9.10	7.83	8.95	10.38	18,940
Detectives and Criminal Investigators	33-3021	**	22.62	16.79	22.15	29.93	47,050
Police and Sheriff's Patrol Officers	33-3051	1,200	13.47	11.76	13.77	16.10	28,020
Private Detectives and Investigators	33-9021	60	11.72	7.84	8.63	12.87	24,380
Security Guards	33-9032	3,480	9.41	7.52	8.34	10.56	19,580
Crossing Guards	33-9091	**	10.77	6.90	12.23	13.48	22,400



Food Preparation and Serving Related Occupations

Tulsa MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Food Preparation and Serving Related Occupations	35-0000	29,520	6.98	5.97	6.61	7.73	14,520
Chefs and Head Cooks	35-1011	230	10.00	7.67	9.09	11.81	20,800
First-Line Supervisors/Managers of Food Preparation and Serving Workers	35-1012	1,700	10.31	8.37	9.52	11.11	21,440
Cooks, Fast Food	35-2011	**	6.54	5.90	6.46	7.17	13,600
Cooks, Institution and Cafeteria	35-2012	1,380	7.55	6.33	7.23	8.67	15,700
Cooks, Restaurant	35-2014	1,430	7.40	6.28	7.14	8.31	15,390
Cooks, Short Order	35-2015	1,600	7.17	5.93	6.63	8.17	14,920
Food Preparation Workers	35-2021	1,650	7.21	6.08	6.90	8.06	15,000
Bartenders	35-3011	420	6.66	5.92	6.46	7.14	13,850
Combined Food Preparation and Serving Workers, Including Fast Food	35-3021	9,930	6.60	5.87	6.48	7.43	13,730
Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	35-3022	700	6.88	5.98	6.58	7.51	14,310
Waiters and Waitresses	35-3031	4,580	6.49	5.87	6.34	6.84	13,490
Food Servers, Nonrestaurant	35-3041	620	6.80	5.82	6.40	7.58	14,150
Dining Room and Cafeteria Attendants and Bartender Helpers	35-9011	990	6.69	6.05	6.70	7.41	13,920
Dishwashers	35-9021	1,190	6.57	5.96	6.50	7.10	13,660
Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	35-9031	560	6.62	5.92	6.48	7.09	13,770



Building and Grounds Cleaning and Maintenance Occupations

Tulsa MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Building and Grounds Cleaning and Maintenance Occupations	37-0000	11,020	8.35	6.54	7.75	9.24	17,360
First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	37-1011	430	12.21	9.02	10.67	13.38	25,410
First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	37-1012	170	14.82	11.39	14.76	17.55	30,830
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	37-2011	5,250	7.99	6.42	7.51	8.92	16,620
Maids and Housekeeping Cleaners	37-2012	2,630	7.01	6.12	6.87	7.91	14,580
Landscaping and Groundskeeping Workers	37-3011	1,870	9.06	7.47	8.57	10.18	18,840

Personal Care and Service Occupations



Tulsa MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Personal Care and Service Occupations	39-0000	7,980	10.50	6.52	8.19	12.27	21,850
First-Line Supervisors/Managers of Personal Service Workers	39-1021	220	11.46	8.22	10.03	13.11	23,830
Nonfarm Animal Caretakers	39-2021	290	8.47	6.68	7.94	9.81	17,610
Ushers, Lobby Attendants, and Ticket Takers	39-3031	200	6.41	5.91	6.39	6.88	13,320
Amusement and Recreation Attendants	39-3091	150	7.34	6.15	6.87	8.19	15,270
Locker Room, Coatroom, and Dressing Room Attendants	39-3093	70	7.96	6.51	7.63	9.29	16,560
Funeral Attendants	39-4021	50	9.04	6.15	7.64	10.31	18,810
Barbers	39-5011	**	8.43	7.50	8.31	9.14	17,530
Hairdressers, Hairstylists, and Cosmetologists	39-5012	810	10.50	7.63	9.38	12.33	21,840
Baggage Porters and Bellhops	39-6011	170	6.31	5.83	6.33	6.87	13,120
Concierges	39-6012	**	6.82	5.84	6.54	7.73	14,190
Travel Guides	39-6022	**	14.45	13.76	14.98	16.19	30,060
Child Care Workers	39-9011	810	6.80	5.94	6.55	7.54	14,150
Personal and Home Care Aides	39-9021	1,690	6.68	5.91	6.53	7.56	13,890
Fitness Trainers and Aerobics Instructors	39-9031	460	11.01	9.22	10.50	12.78	22,910
Recreation Workers	39-9032	**	8.70	6.58	7.74	9.83	18,090
Residential Advisors	39-9041	80	10.28	8.69	9.73	11.01	21,390

Sales and Related Occupations



Tulsa MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Sales and Related Occupations	41-0000	42,410	12.42	6.84	9.09	14.89	25,840
First-Line Supervisors/Managers of Retail Sales Workers	41-1011	3,880	15.33	9.84	13.28	17.70	31,890
First-Line Supervisors/Managers of Non-Retail Sales Workers	41-1012	620	23.57	15.14	20.93	28.98	49,020
Cashiers	41-2011	8,770	7.16	6.04	6.75	8.03	14,890
Gaming Change Persons and Booth Cashiers	41-2012	210	7.63	7.01	7.75	8.42	15,880
Counter and Rental Clerks	41-2021	1,830	8.71	6.56	7.96	9.85	18,110
Parts Salespersons	41-2022	980	11.33	7.31	9.75	13.21	23,560
Retail Salespersons	41-2031	12,600	9.96	6.65	8.23	11.04	20,710
Advertising Sales Agents	41-3011	380	15.33	8.99	13.81	19.29	31,880
Insurance Sales Agents	41-3021	850	19.30	12.40	15.84	24.97	40,150
Securities, Commodities, and Financial Services Sales Agents	41-3031	630	27.78	17.13	21.06	38.36	57,790
Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	41-4011	1,200	26.14	18.15	23.87	31.39	54,370
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	41-4012	4,500	20.64	14.42	18.99	24.83	42,940
Demonstrators and Product Promoters	41-9011	120	14.39	10.58	13.10	17.22	29,920
Real Estate Sales Agents	41-9022	350	11.52	7.88	9.34	13.13	23,970
Sales Engineers	41-9031	310	25.13	12.83	23.73	33.74	52,260
Telemarketers	41-9041	3,130	7.87	6.35	7.40	9.18	16,370
Door-To-Door Sales Workers, News and Street Vendors, and Related Workers	41-9091	40	20.26	10.06	13.71	25.37	42,140

Office and Administrative Support Occupations



Tulsa MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Office and Administrative Support Occupations	43-0000	70,650	12.02	8.92	10.92	14.00	25,000
First-Line Supervisors/Managers of Office and Administrative Support Workers	43-1011	4,160	18.08	12.29	16.31	21.91	37,600
Switchboard Operators, Including Answering Service	43-2011	620	9.76	8.63	9.66	10.73	20,310
Bill and Account Collectors	43-3011	1,690	10.45	8.86	10.16	12.30	21,740
Billing and Posting Clerks and Machine Operators	43-3021	1,440	11.74	9.63	11.29	13.15	24,430
Bookkeeping, Accounting, and Auditing Clerks	43-3031	5,660	12.53	10.21	12.12	14.26	26,060
Payroll and Timekeeping Clerks	43-3051	850	12.92	10.09	12.32	15.30	26,880
Procurement Clerks	43-3061	290	13.30	10.72	12.64	15.24	27,660
Tellers	43-3071	1,720	9.44	8.29	9.37	10.42	19,640
Brokerage Clerks	43-4011	130	12.08	9.92	11.61	14.45	25,140
Correspondence Clerks	43-4021	270	12.88	11.14	12.83	14.96	26,800
Court, Municipal, and License Clerks	43-4031	110	12.56	10.63	12.44	13.98	26,120
Credit Authorizers, Checkers, and Clerks	43-4041	450	12.98	9.24	10.47	14.31	27,000
Customer Service Representatives	43-4051	8,000	12.00	9.33	11.31	13.79	24,950
File Clerks	43-4071	1,030	9.25	7.30	8.63	10.41	19,230
Hotel, Motel, and Resort Desk Clerks	43-4081	630	7.54	6.89	7.74	8.41	15,680
Interviewers, Except Eligibility and Loan	43-4111	220	10.45	7.99	9.68	12.16	21,740
Library Assistants, Clerical	43-4121	280	8.01	5.92	6.64	8.73	16,660
Loan Interviewers and Clerks	43-4131	500	14.51	11.66	13.58	17.54	30,190
New Accounts Clerks	43-4141	170	11.92	9.77	11.30	13.44	24,800
Order Clerks	43-4151	1,010	11.38	8.07	10.66	13.70	23,660
Human Resources Assistants, Except Payroll and Timekeeping	43-4161	600	12.85	10.26	12.29	14.64	26,720
Receptionists and Information Clerks	43-4171	2,800	9.43	8.01	9.29	10.62	19,620
Reservation and Transportation Ticket Agents and Travel Clerks	43-4181	**	12.11	8.22	10.58	15.33	25,180
Cargo and Freight Agents	43-5011	340	12.61	9.45	11.46	13.99	26,220
Couriers and Messengers	43-5021	260	9.29	7.42	8.18	9.39	19,330
Police, Fire, and Ambulance Dispatchers	43-5031	140	11.53	9.67	11.33	13.45	23,980
Dispatchers, Except Police, Fire, and Ambulance	43-5032	610	14.50	10.46	12.76	17.13	30,170
Meter Readers, Utilities	43-5041	190	12.20	10.28	11.48	13.11	25,380
Postal Service Clerks	43-5051	190	18.77	17.86	19.07	20.29	39,040
Postal Service Mail Carriers	43-5052	1,120	18.18	16.98	18.59	20.19	37,810
Postal Service Mail Sorters, Processors, and Processing Machine Operators	43-5053	580	15.22	10.51	16.33	19.03	31,660
Production, Planning, and Expediting Clerks	43-5061	1,130	17.13	11.89	14.93	19.15	35,640
Shipping, Receiving, and Traffic Clerks	43-5071	2,660	10.73	8.46	10.20	12.61	22,310
Stock Clerks and Order Fillers	43-5081	4,460	9.91	7.33	8.74	11.10	20,610
Weighers, Measurers, Checkers, and Samplers, Recordkeeping	43-5111	250	14.14	11.69	13.73	16.44	29,410
Executive Secretaries and Administrative Assistants	43-6011	3,760	14.18	10.97	13.48	16.70	29,480
Legal Secretaries	43-6012	1,030	12.58	11.07	12.45	14.14	26,180
Medical Secretaries	43-6013	1,280	10.40	9.10	9.94	10.83	21,640
Secretaries, Except Legal, Medical, and Executive	43-6014	4,820	11.16	9.12	10.72	13.07	23,210
Computer Operators	43-9011	510	15.57	11.45	14.40	18.24	32,390
Data Entry Keyers	43-9021	1,260	10.35	8.50	9.84	11.58	21,520
Word Processors and Typists	43-9022	220	11.02	8.67	10.29	13.08	22,930
Desktop Publishers	43-9031	60	14.20	10.22	13.85	17.65	29,530
Mail Clerks and Mail Machine Operators, Except Postal Service	43-9051	640	9.04	7.59	8.43	9.89	18,810
Office Clerks, General	43-9061	8,850	10.31	8.16	9.89	11.79	21,450
Office Machine Operators, Except Computer	43-9071	400	9.47	7.31	8.47	11.05	19,690
Proofreaders and Copy Markers	43-9081	40	10.38	7.50	9.32	10.74	21,580

Farming, Fishing, and Forestry Occupations



Tulsa MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Farming, Fishing, and Forestry Occupations	45-0000	190	9.91	6.47	8.41	11.16	20,620
Graders and Sorters, Agricultural Products	45-2041	30	13.18	8.04	11.23	21.62	27,410

Construction and Extraction Occupations



Tulsa MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Construction and Extraction Occupations	47-0000	21,070	14.14	10.45	12.91	16.84	29,400
First-Line Supervisors/Managers of Construction Trades and							
Extraction Workers	47-1011	1,660	20.81	15.77	20.38	25.30	43,280
Boilermakers	47-2011	60	12.29	8.15	12.38	16.03	25,560
Brickmasons and Blockmasons	47-2021	120	19.48	16.84	19.52	21.96	40,530
Carpenters	47-2031	1,080	13.65	11.35	13.55	15.82	28,390
Floor Sanders and Finishers	47-2043	40	14.18	12.05	13.58	16.70	29,490
Tile and Marble Setters	47-2044	**	18.33	18.48	20.06	21.63	38,120
Cement Masons and Concrete Finishers	47-2051	810	13.66	11.15	13.20	15.82	28,410
Construction Laborers	47-2061	3,250	10.64	9.12	10.75	12.25	22,130
Paving, Surfacing, and Tamping Equipment Operators	47-2071	240	12.64	10.37	12.08	14.28	26,280
Operating Engineers and Other Construction Equipment Operators	47-2073	930	14.82	12.19	14.23	17.48	30,820
Drywall and Ceiling Tile Installers	47-2081	540	15.29	13.06	15.31	17.41	31,810
Tapers	47-2082	160	15.18	14.38	15.34	16.29	31,570
Electricians	47-2111	1,880	17.62	13.20	17.70	21.45	36,650
Glaziers	47-2121	**	11.88	9.76	11.50	13.77	24,710
Insulation Workers	47-2130	80	15.60	11.11	14.78	17.29	32,450
Painters, Construction and Maintenance	47-2141	810	11.98	9.39	11.77	14.33	24,920
Pipelayers	47-2151	200	10.72	9.76	10.60	11.53	22,300
Plumbers, Pipefitters, and Steamfitters	47-2152	1,570	16.73	12.43	15.94	21.25	34,790
Plasterers and Stucco Masons	47-2161	**	16.34	14.58	15.97	17.36	33,990
Reinforcing Iron and Rebar Workers	47-2171	120	16.55	12.55	18.06	20.27	34,430
Roofers	47-2181	210	12.07	9.87	11.48	14.38	25,110
Sheet Metal Workers	47-2211	950	16.11	11.08	15.23	21.19	33,510
Structural Iron and Steel Workers	47-2221	**	12.63	9.64	10.48	13.34	26,270
Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and							
Marble Setters	47-3011	130	10.11	9.33	10.03	10.73	21,020
Helpers--Carpenters	47-3012	130	10.37	9.25	10.28	11.70	21,580
Helpers--Electricians	47-3013	540	11.81	9.93	11.62	13.50	24,570
Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	47-3014	70	8.29	6.80	7.81	9.65	17,240
Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	47-3015	**	11.50	10.04	11.91	13.16	23,920
Construction and Building Inspectors	47-4011	250	15.81	13.26	15.63	17.57	32,890
Fence Erectors	47-4031	**	12.69	10.04	11.43	15.27	26,390
Hazardous Materials Removal Workers	47-4041	130	11.98	10.46	11.88	13.25	24,920
Highway Maintenance Workers	47-4051	700	9.96	8.18	9.74	11.48	20,720
Derrick Operators, Oil and Gas	47-5011	630	12.92	10.41	11.85	14.97	26,880
Earth Drillers, Except Oil and Gas	47-5021	**	11.80	9.42	10.62	15.16	24,550
Roustabouts, Oil and Gas	47-5071	**	12.64	9.62	11.26	14.82	26,290
Helpers--Extraction Workers	47-5081	90	10.97	9.60	10.52	11.43	22,810

Installation, Maintenance, and Repair Occupations



Tulsa MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Installation, Maintenance, and Repair Occupations	49-0000	18,260	16.10	11.28	15.30	20.18	33,480
First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	49-1011	1,200	22.94	17.01	22.30	28.08	47,710
Computer, Automated Teller, and Office Machine Repairers	49-2011	**	16.87	13.69	16.74	19.89	35,100
Telecommunications Equipment Installers and Repairers, Except Line Installers	49-2022	940	21.70	19.05	22.34	25.54	45,140
Electric Motor, Power Tool, and Related Repairers	49-2092	120	12.79	8.90	10.86	16.07	26,610
Electrical and Electronics Repairers, Commercial and Industrial Equipment	49-2094	390	15.35	11.88	14.14	18.27	31,930
Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	49-2095	**	23.10	21.76	23.76	25.72	48,050
Security and Fire Alarm Systems Installers	49-2098	30	17.45	14.77	17.34	21.14	36,300
Aircraft Mechanics and Service Technicians	49-3011	2,260	17.32	12.96	16.86	20.77	36,030
Automotive Body and Related Repairers	49-3021	420	14.75	12.22	14.40	16.60	30,680
Automotive Service Technicians and Mechanics	49-3023	2,020	13.97	9.24	12.08	17.61	29,060
Bus and Truck Mechanics and Diesel Engine Specialists	49-3031	810	15.88	12.91	15.61	17.87	33,030
Mobile Heavy Equipment Mechanics, Except Engines	49-3042	310	14.48	12.46	14.37	16.47	30,120
Motorcycle Mechanics	49-3052	40	13.13	10.09	13.52	15.97	27,300
Outdoor Power Equipment and Other Small Engine Mechanics	49-3053	40	14.53	12.08	14.08	17.99	30,230
Recreational Vehicle Service Technicians	49-3092	60	12.82	10.21	11.81	14.90	26,660
Tire Repairers and Changers	49-3093	370	8.39	7.36	8.01	8.88	17,440
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	49-9021	480	15.28	11.81	15.09	18.58	31,790
Home Appliance Repairers	49-9031	**	13.72	11.96	13.17	14.36	28,530
Industrial Machinery Mechanics	49-9041	800	16.09	13.06	15.92	19.04	33,460
Maintenance and Repair Workers, General	49-9042	3,200	13.52	9.58	12.42	16.50	28,110
Maintenance Workers, Machinery	49-9043	420	18.09	14.58	17.23	22.16	37,630
Electrical Power-Line Installers and Repairers	49-9051	310	18.12	12.88	17.75	23.21	37,690
Telecommunications Line Installers and Repairers	49-9052	610	17.47	12.08	17.73	23.12	36,330
Coin, Vending, and Amusement Machine Servicers and Repairers	49-9091	80	12.17	10.96	12.26	13.32	25,310
Riggers	49-9096	**	20.95	19.27	21.37	23.95	43,570
Helpers--Installation, Maintenance, and Repair Workers	49-9098	690	11.88	8.99	10.41	13.06	24,720

Production Occupations



Tulsa MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Production Occupations	51-0000	38,140	13.04	9.15	11.62	15.93	27,130
First-Line Supervisors/Managers of Production and Operating Workers	51-1011	2,290	21.09	16.18	19.85	24.87	43,880
Coil Winders, Tapers, and Finishers	51-2021	120	10.90	9.21	10.40	12.57	22,680
Electrical and Electronic Equipment Assemblers	51-2022	500	10.45	8.26	9.94	12.17	21,740
Engine and Other Machine Assemblers	51-2031	190	12.48	9.07	12.70	15.25	25,950
Structural Metal Fabricators and Fitters	51-2041	610	13.73	11.13	13.71	16.02	28,560
Fiberglass Laminators and Fabricators	51-2091	**	16.19	9.60	15.24	24.23	33,670
Team Assemblers	51-2092	3,370	11.11	9.35	10.42	12.56	23,110
Bakers	51-3011	360	8.09	6.68	7.97	9.10	16,820
Butchers and Meat Cutters	51-3021	280	10.93	9.02	10.43	12.50	22,740
Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	51-3091	**	12.40	11.05	12.28	13.64	25,790
Food Batchmakers	51-3092	190	10.34	7.28	10.16	12.91	21,510
Computer-Controlled Machine Tool Operators, Metal and Plastic	51-4011	750	12.60	9.91	12.31	14.81	26,210
Numerical Tool and Process Control Programmers	51-4012	90	17.85	15.61	17.33	20.11	37,130
Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	51-4021	260	11.68	8.13	11.29	13.91	24,300
Forging Machine Setters, Operators, and Tenders, Metal/Plastic	51-4022	220	13.03	9.94	13.40	15.99	27,090
Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	51-4023	230	9.42	7.82	8.53	9.80	19,600
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	51-4031	1,330	11.50	9.42	11.09	13.31	23,910
Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4032	180	12.94	10.40	13.29	15.48	26,920
Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4033	800	11.84	8.37	10.95	15.51	24,630
Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4034	190	14.30	12.87	14.99	16.39	29,740
Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	51-4035	120	13.74	11.88	13.65	15.87	28,580
Machinists	51-4041	1,960	15.22	12.80	15.15	17.12	31,660
Metal-Refining Furnace Operators and Tenders	51-4051	130	13.49	9.62	11.75	15.46	28,060
Foundry Mold and Coremakers	51-4071	100	11.22	9.68	11.36	12.97	23,340
Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	51-4072	170	10.68	7.44	9.35	12.71	22,220
Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	51-4081	510	13.39	10.37	12.58	15.92	27,860
Tool and Die Makers	51-4111	280	19.90	17.01	20.11	22.81	41,400
Welders, Cutters, Solderers, and Brazers	51-4121	3,050	14.49	11.52	14.30	16.52	30,130
Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	51-4122	620	14.12	10.27	14.47	16.54	29,380
Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	51-4191	220	14.47	10.10	12.91	16.43	30,100
Lay-Out Workers, Metal and Plastic	51-4192	70	14.50	10.18	12.63	17.39	30,170
Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	51-4193	200	10.91	8.72	10.27	12.64	22,700
Bindery Workers	51-5011	260	9.89	7.76	8.67	11.53	20,570
Job Printers	51-5021	270	12.76	9.85	12.15	15.27	26,530
Prepress Technicians and Workers	51-5022	270	15.18	10.77	15.24	18.30	31,570
Printing Machine Operators	51-5023	460	11.68	8.73	10.58	14.18	24,290
Laundry and Dry-Cleaning Workers	51-6011	650	8.01	6.90	7.91	8.97	16,660
Pressers, Textile, Garment, and Related Materials	51-6021	180	6.89	6.21	6.92	7.80	14,320
Sewing Machine Operators	51-6031	190	8.02	6.57	7.68	9.16	16,690
Sewers, Hand	51-6051	40	9.40	7.61	8.45	10.42	19,550
Tailors, Dressmakers, and Custom Sewers	51-6052	**	9.60	8.21	9.66	10.95	19,960

Production Occupations



Tulsa MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Textile Cutting Machine Setters, Operators, and Tenders	51-6062	**	9.48	7.62	9.62	11.19	19,720
Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	51-6091	70	12.09	10.19	11.54	13.15	25,140
Upholsterers	51-6093	50	11.34	8.24	11.43	13.48	23,580
Cabinetmakers and Bench Carpenters	51-7011	500	11.98	9.28	11.92	14.20	24,910
Furniture Finishers	51-7021	50	12.20	8.92	12.26	15.21	25,380
Sawing Machine Setters, Operators, and Tenders, Wood	51-7041	130	15.26	8.26	14.44	23.15	31,730
Woodworking Machine Setters, Operators, and Tenders, Except Sawing	51-7042	60	11.85	9.66	11.06	14.00	24,640
Power Plant Operators	51-8013	**	22.51	20.44	23.28	25.49	46,830
Stationary Engineers and Boiler Operators	51-8021	130	17.75	14.38	17.01	20.48	36,930
Water and Liquid Waste Treatment Plant and System Operators	51-8031	180	12.44	9.98	12.29	14.72	25,880
Chemical Plant and System Operators	51-8091	100	22.97	18.63	24.56	27.32	47,780
Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	51-9021	120	10.61	9.47	10.30	11.23	22,080
Grinding and Polishing Workers, Hand	51-9022	210	10.57	9.28	10.29	11.81	21,990
Mixing and Blending Machine Setters, Operators, and Tenders	51-9023	330	16.42	10.97	14.01	21.18	34,160
Cutters and Trimmers, Hand	51-9031	60	8.45	7.08	8.19	9.59	17,580
Cutting and Slicing Machine Setters, Operators, and Tenders	51-9032	160	11.84	10.19	11.85	13.28	24,620
Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	51-9041	130	11.75	9.24	10.75	12.91	24,450
Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	51-9051	120	14.88	11.49	14.60	18.43	30,950
Inspectors, Testers, Sorters, Samplers, and Weighers	51-9061	1,870	14.30	10.04	13.33	17.44	29,750
Jewelers and Precious Stone and Metal Workers	51-9071	80	15.00	13.37	15.26	16.96	31,200
Dental Laboratory Technicians	51-9081	220	12.59	10.51	12.90	14.60	26,190
Ophthalmic Laboratory Technicians	51-9083	**	9.92	9.32	9.98	10.64	20,630
Packaging and Filling Machine Operators and Tenders	51-9111	920	8.74	7.44	8.19	9.60	18,180
Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	51-9121	360	12.44	9.47	11.98	14.91	25,880
Painters, Transportation Equipment	51-9122	290	13.78	10.12	12.41	16.47	28,660
Painting, Coating, and Decorating Workers	51-9123	90	11.00	8.02	10.25	13.50	22,870
Photographic Process Workers	51-9131	60	9.31	7.41	8.46	10.78	19,360
Photographic Processing Machine Operators	51-9132	210	7.50	6.26	7.00	8.42	15,590
Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	51-9192	60	9.86	7.91	8.77	12.13	20,500
Paper Goods Machine Setters, Operators, and Tenders	51-9196	530	15.17	11.55	14.92	19.80	31,560
Helpers--Production Workers	51-9198	1,770	9.47	7.86	8.76	10.59	19,690

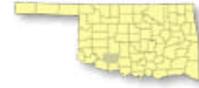
Transportation and Material Moving Occupations



Tulsa MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Transportation and Material Moving Occupations	53-0000	27,760	14.64	7.94	10.66	15.40	30,440
First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	53-1021	430	17.50	12.68	16.23	20.71	36,410
First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	53-1031	550	21.16	15.29	20.76	26.38	44,020
Airline Pilots, Copilots, and Flight Engineers	53-2011	2,000	*	*	*	*	109,450
Commercial Pilots	53-2012	70	*	*	*	*	60,410
Air Traffic Controllers	53-2021	60	39.52	36.51	40.08	43.63	82,200
Airfield Operations Specialists	53-2022	40	22.11	12.48	23.99	31.03	45,990
Bus Drivers, Transit and Intercity	53-3021	290	10.38	7.88	10.83	12.88	21,600
Bus Drivers, School	53-3022	1,180	8.60	6.81	8.92	10.23	17,880
Driver/Sales Workers	53-3031	960	10.33	6.71	9.40	12.43	21,480
Truck Drivers, Heavy and Tractor-Trailer	53-3032	5,470	15.45	11.87	14.59	18.33	32,130
Truck Drivers, Light Or Delivery Services	53-3033	3,890	9.66	7.16	8.75	11.36	20,100
Taxi Drivers and Chauffeurs	53-3041	180	7.62	6.31	7.47	8.99	15,850
Parking Lot Attendants	53-6021	360	6.52	5.77	6.31	7.12	13,560
Service Station Attendants	53-6031	580	7.70	6.30	7.38	9.13	16,020
Conveyor Operators and Tenders	53-7011	80	11.37	6.71	11.52	13.24	23,650
Crane and Tower Operators	53-7021	250	16.25	12.18	15.03	17.91	33,800
Excavating and Loading Machine and Dragline Operators	53-7032	460	13.89	11.77	13.26	15.52	28,890
Hoist and Winch Operators	53-7041	**	15.88	12.63	13.70	17.14	33,040
Industrial Truck and Tractor Operators	53-7051	1,230	12.01	9.29	10.97	13.67	24,980
Cleaners of Vehicles and Equipment	53-7061	1,270	8.80	6.55	7.90	9.75	18,300
Laborers and Freight, Stock, and Material Movers, Hand	53-7062	5,070	10.37	7.71	8.83	11.23	21,570
Machine Feeders and Offbearers	53-7063	90	11.04	9.37	10.31	11.82	22,970
Packers and Packagers, Hand	53-7064	1,640	7.87	6.16	7.04	8.91	16,370
Pump Operators, Except Wellhead Pumpers	53-7072	**	11.98	6.16	6.97	16.18	24,910
Refuse and Recyclable Material Collectors	53-7081	**	10.77	8.03	9.95	12.50	22,390

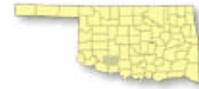
Management Occupations



Lawton MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Management Occupations	11-0000	1,850	22.49	13.28	20.64	28.51	46,770
Chief Executives	11-1011	120	31.11	16.85	31.02	41.24	64,710
General and Operations Managers	11-1021	620	21.65	12.48	18.25	26.79	45,030
Sales Managers	11-2022	60	23.37	11.75	22.59	27.81	48,610
Administrative Services Managers	11-3011	80	19.72	12.40	17.40	25.69	41,010
Financial Managers	11-3031	80	24.18	17.46	23.81	30.94	50,300
Human Resources Managers	11-3040	30	22.34	12.01	21.90	29.19	46,460
Construction Managers	11-9021	40	26.59	18.29	24.39	31.22	55,310
Education Administrators, Postsecondary	11-9033	50	25.96	15.34	24.74	35.41	54,000
Food Service Managers	11-9051	110	12.51	10.95	12.59	13.97	26,010
Property, Real Estate, and Community Association Managers	11-9141	40	13.68	8.09	11.92	19.92	28,450

Business and Financial Operations Occupations



Lawton MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Business and Financial Operations Occupations	13-0000	950	17.68	13.13	16.34	21.60	36,770
Purchasing Agents, Except Wholesale, Retail, and Farm Products	13-1023	50	18.81	15.22	17.90	22.77	39,130
Training and Development Specialists	13-1073	40	16.64	12.15	15.60	21.56	34,620
Management Analysts	13-1111	80	18.98	14.53	18.62	23.82	39,480
Accountants and Auditors	13-2011	300	16.37	13.10	15.21	18.36	34,040
Budget Analysts	13-2031	40	20.68	17.58	20.23	24.51	43,020
Loan Officers	13-2072	70	14.71	11.70	12.89	14.67	30,600

Computer and Mathematical Occupations



Lawton MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Computer and Mathematical Occupations	15-0000	470	23.13	15.56	21.98	29.98	48,120
Computer Programmers	15-1021	40	15.40	12.33	14.58	17.21	32,030
Computer Software Engineers, Systems Software	15-1032	130	28.93	21.19	26.92	35.81	60,180
Computer Systems Analysts	15-1051	50	23.36	16.14	22.04	29.59	48,590
Network and Computer Systems Administrators	15-1071	30	20.63	15.53	19.06	25.80	42,910

Architecture and Engineering Occupations



Lawton MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Architecture and Engineering Occupations	17-0000	210	21.95	15.87	19.95	27.80	45,650
Electrical and Electronic Engineering Technicians	17-3023	60	16.75	14.73	15.91	17.09	34,840

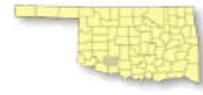
Life, Physical, and Social Science Occupations



Lawton MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Life, Physical, and Social Science Occupations	19-0000	160	20.10	13.59	17.37	24.79	41,800

Community and Social Services Occupations



Lawton MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Community and Social Services Occupations	21-0000	750	11.39	7.66	9.32	14.64	23,690
Rehabilitation Counselors	21-1015	**	7.80	7.26	7.80	8.35	16,230
Social and Human Service Assistants	21-1093	120	10.70	6.85	10.77	13.88	22,250

Legal Occupations



Lawton MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Legal Occupations	23-0000	270	20.82	10.80	14.42	32.31	43,310
Lawyers	23-1011	100	30.92	18.49	35.40	41.59	64,310
Paralegals and Legal Assistants	23-2011	50	12.71	9.85	11.76	14.40	26,440

Education, Training, and Library Occupations



Lawton MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Education, Training, and Library Occupations	25-0000	3,000	15.81	12.36	16.27	19.86	32,880
Preschool Teachers, Except Special Education	25-2011	60	11.08	6.81	12.05	14.45	23,040
Librarians	25-4021	50	20.04	16.55	19.32	22.52	41,680
Instructional Coordinators	25-9031	**	16.06	11.96	13.88	19.65	33,410

Arts, Design, Entertainment, Sports, and Media Occupations



Lawton MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Arts, Design, Entertainment, Sports, and Media Occupations	27-0000	260	12.58	7.72	10.60	16.76	26,160

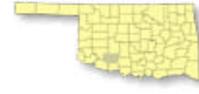
Healthcare Practitioners and Technical Occupations



Lawton MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Healthcare Practitioners and Technical Occupations	29-0000	1,660	19.01	9.69	13.69	21.97	39,530
Pharmacists	29-1051	50	29.26	24.64	29.80	34.50	60,860
Family and General Practitioners	29-1062	60	56.74	47.85	54.71	#	118,010
Medical and Clinical Laboratory Technologists	29-2011	60	18.13	13.62	17.67	22.02	37,700
Pharmacy Technicians	29-2052	70	9.18	7.18	8.48	11.23	19,090
Licensed Practical and Licensed Vocational Nurses	29-2061	480	10.47	8.95	10.61	12.34	21,790
Medical Records and Health Information Technicians	29-2071	30	11.38	6.95	11.21	14.92	23,660
Opticians, Dispensing	29-2081	40	9.52	7.90	9.09	10.99	19,800

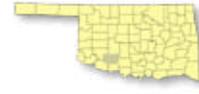
Healthcare Support Occupations



Lawton MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Healthcare Support Occupations	31-0000	870	8.87	6.45	7.62	11.29	18,440
Nursing Aides, Orderlies, and Attendants	31-1012	530	7.90	6.28	7.02	8.96	16,420
Dental Assistants	31-9091	70	11.59	8.48	11.73	14.60	24,110
Medical Assistants	31-9092	80	9.49	7.75	8.96	10.83	19,730

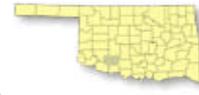
Protective Service Occupations



Lawton MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Protective Service Occupations	33-0000	1,000	13.64	8.60	12.84	18.43	28,370
Security Guards	33-9032	180	10.98	8.23	11.39	13.51	22,830

Food Preparation and Serving Related Occupations



Lawton MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Food Preparation and Serving Related Occupations	35-0000	3,500	6.88	5.93	6.48	7.19	14,310
Chefs and Head Cooks	35-1011	50	7.51	6.29	7.08	8.68	15,630
First-Line Supervisors/Managers of Food Preparation and Serving Workers	35-1012	240	9.30	6.37	9.20	11.92	19,340
Cooks, Fast Food	35-2011	350	6.28	5.74	6.20	6.67	13,060
Cooks, Institution and Cafeteria	35-2012	220	9.21	7.12	9.24	10.90	19,160
Cooks, Restaurant	35-2014	210	6.76	5.93	6.50	7.26	14,060
Cooks, Short Order	35-2015	180	7.50	6.34	7.33	8.61	15,600
Combined Food Preparation and Serving Workers, Including Fast Food	35-3021	530	6.31	5.86	6.31	6.77	13,130
Waiters and Waitresses	35-3031	960	6.29	5.79	6.23	6.67	13,090
Food Servers, Nonrestaurant	35-3041	80	6.50	6.03	6.50	6.97	13,520
Dishwashers	35-9021	100	6.11	5.82	6.25	6.68	12,720

Building and Grounds Cleaning and Maintenance Occupations



Lawton MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Building and Grounds Cleaning and Maintenance Occupations	37-0000	1,420	7.99	6.46	7.68	9.35	16,630
First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	37-1011	40	10.86	8.88	10.72	12.40	22,590
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	37-2011	610	8.06	6.61	7.89	9.18	16,760
Maids and Housekeeping Cleaners	37-2012	550	7.51	6.20	7.04	9.19	15,620
Landscaping and Groundskeeping Workers	37-3011	160	8.76	6.95	8.12	10.01	18,220

Personal Care and Service Occupations



Lawton MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Personal Care and Service Occupations	39-0000	710	8.28	6.08	6.78	8.91	17,220
First-Line Supervisors/Managers of Personal Service Workers	39-1021	40	12.00	9.56	10.75	13.43	24,960
Hairdressers, Hairstylists, and Cosmetologists	39-5012	90	6.79	5.92	6.45	6.97	14,120
Child Care Workers	39-9011	250	6.40	5.85	6.35	6.94	13,310
Recreation Workers	39-9032	90	8.69	6.44	7.88	10.67	18,080

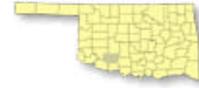
Sales and Related Occupations



Lawton MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Sales and Related Occupations	41-0000	3,940	9.08	6.03	6.77	9.58	18,880
First-Line Supervisors/Managers of Retail Sales Workers	41-1011	450	11.44	7.39	10.07	13.30	23,800
First-Line Supervisors/Managers of Non-Retail Sales Workers	41-1012	60	19.48	11.81	16.89	22.04	40,530
Cashiers	41-2011	1,150	6.51	5.80	6.30	6.83	13,540
Counter and Rental Clerks	41-2021	90	8.48	5.96	6.62	9.73	17,630
Parts Salespersons	41-2022	100	9.04	6.35	7.98	10.46	18,810
Retail Salespersons	41-2031	1,420	8.42	6.06	6.79	8.93	17,500
Advertising Sales Agents	41-3011	30	14.20	8.57	13.58	18.61	29,530
Insurance Sales Agents	41-3021	40	13.73	9.83	10.71	13.77	28,550
Travel Agents	41-3041	30	8.57	6.07	7.40	9.81	17,820
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	41-4012	130	13.94	10.41	13.35	16.57	28,990
Demonstrators and Product Promoters	41-9011	**	9.43	7.53	8.28	9.66	19,620

Office and Administrative Support Occupations



Lawton MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Office and Administrative Support Occupations	43-0000	5,950	10.59	7.29	9.52	12.78	22,030
First-Line Supervisors/Managers of Office and Administrative Support Workers	43-1011	380	15.71	10.54	13.86	18.03	32,670
Switchboard Operators, Including Answering Service	43-2011	40	7.89	6.63	7.52	8.66	16,410
Bill and Account Collectors	43-3011	60	9.33	6.91	8.14	10.46	19,400
Billing and Posting Clerks and Machine Operators	43-3021	130	15.28	9.79	18.19	20.29	31,790
Bookkeeping, Accounting, and Auditing Clerks	43-3031	340	9.51	7.23	9.10	11.42	19,790
Payroll and Timekeeping Clerks	43-3051	70	12.86	10.40	13.10	15.42	26,740
Procurement Clerks	43-3061	50	13.64	11.46	14.09	15.88	28,370
Tellers	43-3071	220	7.60	6.73	7.59	8.39	15,810
Court, Municipal, and License Clerks	43-4031	50	11.12	9.56	10.77	12.58	23,140
Credit Authorizers, Checkers, and Clerks	43-4041	**	7.48	6.26	6.92	8.41	15,560
Customer Service Representatives	43-4051	330	9.84	7.44	8.72	10.94	20,480
File Clerks	43-4071	40	7.97	6.44	7.38	9.11	16,580
Hotel, Motel, and Resort Desk Clerks	43-4081	50	6.37	5.84	6.34	6.94	13,260
Loan Interviewers and Clerks	43-4131	30	9.29	7.84	8.75	10.45	19,320
New Accounts Clerks	43-4141	30	8.51	6.99	8.15	10.04	17,700
Order Clerks	43-4151	50	8.90	6.99	8.35	10.22	18,520
Human Resources Assistants, Except Payroll and Timekeeping	43-4161	60	12.87	10.70	12.93	15.52	26,760
Receptionists and Information Clerks	43-4171	280	7.56	6.24	7.07	8.46	15,720
Dispatchers, Except Police, Fire, and Ambulance	43-5032	60	11.08	7.25	10.99	14.14	23,050
Production, Planning, and Expediting Clerks	43-5061	80	10.71	7.02	11.40	13.41	22,270
Shipping, Receiving, and Traffic Clerks	43-5071	190	9.80	6.86	9.63	11.15	20,370
Stock Clerks and Order Fillers	43-5081	540	8.81	6.20	7.10	10.58	18,320
Executive Secretaries and Administrative Assistants	43-6011	150	13.14	10.35	12.13	14.01	27,330
Medical Secretaries	43-6013	**	10.10	9.50	10.11	10.73	21,010
Secretaries, Except Legal, Medical, and Executive	43-6014	790	10.33	7.63	9.61	12.90	21,490
Computer Operators	43-9011	30	11.47	9.58	11.88	13.61	23,860
Data Entry Keyers	43-9021	40	6.95	6.28	6.91	7.60	14,450
Office Clerks, General	43-9061	890	9.51	7.28	9.14	11.60	19,770

Farming, Fishing, and Forestry Occupations



Lawton MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Farming, Fishing, and Forestry Occupations	45-0000	30	8.99	6.23	7.76	11.82	18,690

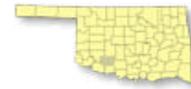
Construction and Extraction Occupations



Lawton MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Construction and Extraction Occupations	47-0000	1,460	12.39	9.20	11.82	15.10	25,760
First-Line Supervisors/Managers of Construction Trades and Extraction Workers	47-1011	110	18.59	15.92	18.21	21.23	38,660
Carpenters	47-2031	150	14.41	11.79	14.56	17.16	29,970
Cement Masons and Concrete Finishers	47-2051	50	12.13	10.01	11.43	13.89	25,230
Construction Laborers	47-2061	170	8.93	7.55	8.53	10.20	18,570
Operating Engineers and Other Construction Equipment Operators	47-2073	120	11.03	9.70	10.68	12.16	22,930
Electricians	47-2111	130	16.20	13.28	16.32	20.06	33,700
Painters, Construction and Maintenance	47-2141	80	11.50	10.07	11.98	13.35	23,910
Plumbers, Pipefitters, and Steamfitters	47-2152	90	13.58	9.92	13.82	16.77	28,250
Sheet Metal Workers	47-2211	50	11.49	8.18	10.33	13.84	23,890

Installation, Maintenance, and Repair Occupations



Lawton MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Installation, Maintenance, and Repair Occupations	49-0000	1,470	14.20	9.99	13.53	17.47	29,530
First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	49-1011	140	19.99	15.72	19.92	24.32	41,580
Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	49-2095	40	19.76	17.06	19.68	22.45	41,110
Automotive Body and Related Repairers	49-3021	50	18.86	13.19	18.22	24.45	39,230
Automotive Service Technicians and Mechanics	49-3023	310	12.97	10.21	12.37	14.24	26,980
Bus and Truck Mechanics and Diesel Engine Specialists	49-3031	130	14.15	12.67	14.69	16.30	29,420
Mobile Heavy Equipment Mechanics, Except Engines	49-3042	40	15.32	13.94	15.42	16.90	31,870
Tire Repairers and Changers	49-3093	**	7.24	6.03	6.92	8.59	15,060
Heating, Air Conditioning, and Refrigeration Mechanics/Installers	49-9021	40	16.27	10.79	16.38	20.55	33,840
Maintenance and Repair Workers, General	49-9042	220	11.25	8.95	10.77	13.85	23,400
Maintenance Workers, Machinery	49-9043	50	14.92	8.45	15.40	19.69	31,020
Helpers—Installation, Maintenance, and Repair Workers	49-9098	40	9.28	7.45	8.40	11.92	19,300

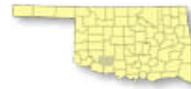
Production Occupations



Lawton MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
First-Line Supervisors/Managers of Production and Operating Workers	51-1011	140	15.18	11.57	14.86	18.87	31,580
Bakers	51-3011	40	8.41	6.54	8.03	9.98	17,490
Butchers and Meat Cutters	51-3021	50	11.24	8.10	10.89	13.48	23,390
Machinists	51-4041	50	17.21	13.94	18.69	20.88	35,810
Welders, Cutters, Solderers, and Brazers	51-4121	60	12.57	10.05	11.96	14.75	26,150
Laundry and Dry-Cleaning Workers	51-6011	50	6.31	5.94	6.39	6.84	13,120
Pressers, Textile, Garment, and Related Materials	51-6021	80	6.20	5.88	6.33	6.77	12,890
Water and Liquid Waste Treatment Plant and System Operators	51-8031	30	12.45	11.02	12.46	13.79	25,890
Mixing and Blending Machine Setters, Operators, and Tenders	51-9023	40	12.20	9.20	10.59	14.85	25,370
Inspectors, Testers, Sorters, Samplers, and Weighers	51-9061	80	13.81	9.78	13.97	17.54	28,720

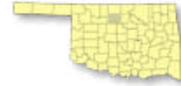
Transportation and Material Moving Occupations



Lawton MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Transportation and Material Moving Occupations	53-0000	2,050	11.75	6.88	9.13	13.19	24,440
First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	53-1021	30	13.30	9.57	12.28	16.71	27,660
First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	53-1031	40	18.41	13.54	16.35	20.60	38,280
Bus Drivers, Transit and Intercity	53-3021	70	11.08	11.21	12.14	13.08	23,050
Driver/Sales Workers	53-3031	**	9.63	6.04	7.19	11.14	20,040
Truck Drivers, Heavy and Tractor-Trailer	53-3032	420	13.00	9.76	12.45	15.49	27,040
Truck Drivers, Light Or Delivery Services	53-3033	240	10.39	6.98	8.25	11.90	21,610
Service Station Attendants	53-6031	30	7.12	6.17	6.82	7.99	14,810
Industrial Truck and Tractor Operators	53-7051	80	10.67	8.98	11.24	12.59	22,190
Cleaners of Vehicles and Equipment	53-7061	110	6.88	6.09	6.75	7.65	14,310
Laborers and Freight, Stock, and Material Movers, Hand	53-7062	330	8.37	6.49	7.97	9.91	17,410
Packers and Packagers, Hand	53-7064	90	7.60	6.79	7.71	8.41	15,800

Management Occupations



Enid MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Management Occupations	11-0000	1,390	23.18	13.21	20.63	29.33	48,220
Chief Executives	11-1011	110	40.35	22.37	39.87	62.80	83,920
General and Operations Managers	11-1021	550	23.53	13.77	20.48	30.16	48,950
Sales Managers	11-2022	70	18.77	11.20	16.73	21.85	39,050
Financial Managers	11-3031	80	26.94	18.08	25.64	31.89	56,040
Education Administrators, Elementary and Secondary School	11-9032	50	*	*	*	*	47,420
Food Service Managers	11-9051	80	13.79	8.09	11.62	18.96	28,670
Medical and Health Services Managers	11-9111	60	27.52	20.98	27.05	32.49	57,230
Property, Real Estate, and Community Association Managers	11-9141	50	10.13	6.09	6.65	7.21	21,080
Social and Community Service Managers	11-9151	40	14.25	9.49	11.12	19.00	29,640

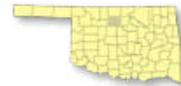
Business and Financial Operations Occupations



Enid MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Business and Financial Operations Occupations	13-0000	450	18.77	12.73	17.04	22.23	39,040
Accountants and Auditors	13-2011	120	19.14	12.54	16.24	20.95	39,800
Loan Officers	13-2072	50	24.80	16.91	23.99	31.57	51,580

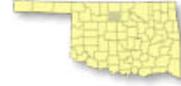
Computer and Mathematical Occupations



Enid MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Computer and Mathematical Occupations	15-0000	90	18.68	13.36	17.08	21.56	38,850

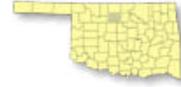
Architecture and Engineering Occupations



Enid MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Architecture and Engineering Occupations	17-0000	130	21.84	13.04	20.18	26.94	45,430

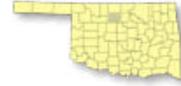
Life, Physical, and Social Science Occupations



Enid MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Life, Physical, and Social Science Occupations	19-0000	110	18.38	12.80	17.39	20.56	38,220

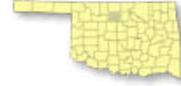
Legal Occupations



Enid MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Legal Occupations	23-0000	150	24.50	10.68	16.14	33.84	50,960

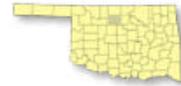
Education, Training, and Library Occupations



Enid MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Education, Training, and Library Occupations	25-0000	1,210	13.96	11.21	14.63	16.95	29,030
Preschool Teachers, Except Special Education	25-2011	110	8.87	6.39	8.77	10.38	18,460
Secondary School Teachers, Except Special and Vocational Education	25-2031	160	*	*	*	*	33,220
Librarians	25-4021	30	15.97	14.66	16.19	17.85	33,210
Teacher Assistants	25-9041	50	*	*	*	*	14,230

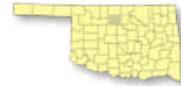
Arts, Design, Entertainment, Sports, and Media Occupations



Enid MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Arts, Design, Entertainment, Sports, and Media Occupations	27-0000	160	11.95	7.23	10.74	14.17	24,870
Floral Designers	27-1023	40	6.88	6.21	6.85	7.58	14,300

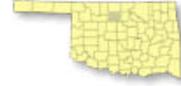
Healthcare Practitioners and Technical Occupations



Enid MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Healthcare Practitioners and Technical Occupations	29-0000	1,320	22.08	12.78	17.84	23.22	45,930
Pharmacists	29-1051	60	32.73	27.63	33.34	37.86	68,080
Registered Nurses	29-1111	450	19.51	16.99	19.38	21.85	40,590
Pharmacy Technicians	29-2052	40	8.05	6.92	8.17	9.19	16,740
Surgical Technologists	29-2055	**	11.29	9.65	10.59	12.80	23,480
Licensed Practical and Licensed Vocational Nurses	29-2061	190	12.90	11.54	12.75	14.07	26,840

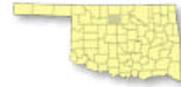
Healthcare Support Occupations



Enid MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Healthcare Support Occupations	31-0000	820	8.03	6.74	7.68	8.88	16,700
Nursing Aides, Orderlies, and Attendants	31-1012	530	7.53	6.46	7.28	8.34	15,650

Protective Service Occupations



Enid MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Protective Service Occupations	33-0000	420	13.98	10.91	14.15	16.80	29,080
Security Guards	33-9032	50	11.57	7.78	10.91	15.80	24,070

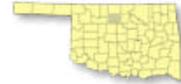
Food Preparation and Serving Related Occupations



Enid MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Food Preparation and Serving Related Occupations	35-0000	1,510	6.64	5.92	6.45	7.04	13,800
First-Line Supervisors/Managers of Food Preparation and Serving Workers	35-1012	60	9.09	7.09	8.59	10.45	18,910
Cooks, Fast Food	35-2011	120	7.05	5.87	6.46	7.30	14,670
Cooks, Institution and Cafeteria	35-2012	140	7.11	6.16	6.93	8.00	14,790
Cooks, Restaurant	35-2014	120	7.08	6.23	6.90	8.05	14,730
Food Preparation Workers	35-2021	130	6.53	5.93	6.42	6.91	13,580
Combined Food Preparation and Serving Workers, Including Fast Food	35-3021	410	6.35	5.86	6.37	6.86	13,200
Waiters and Waitresses	35-3031	240	6.10	5.81	6.23	6.66	12,690
Food Servers, Nonrestaurant	35-3041	50	6.94	5.84	6.45	7.66	14,430
Dining Room and Cafeteria Attendants and Bartender Helpers	35-9011	**	6.21	5.85	6.30	6.75	12,910
Dishwashers	35-9021	110	6.27	5.88	6.34	6.82	13,050

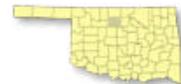
Building and Grounds Cleaning and Maintenance Occupations



Enid MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Building and Grounds Cleaning and Maintenance Occupations	37-0000	700	7.78	6.28	7.23	8.75	16,180
First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	37-1011	30	11.25	7.73	9.14	11.95	23,400
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	37-2011	320	7.65	6.21	7.23	8.84	15,920
Maids and Housekeeping Cleaners	37-2012	200	6.69	6.05	6.68	7.40	13,910
Landscaping and Groundskeeping Workers	37-3011	90	8.91	6.86	8.31	10.48	18,540

Personal Care and Service Occupations



Enid MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Personal Care and Service Occupations	39-0000	320	7.64	6.15	6.90	8.27	15,890
Hairdressers, Hairstylists, and Cosmetologists	39-5012	90	7.63	6.45	7.42	8.46	15,870
Child Care Workers	39-9011	80	6.41	5.90	6.41	6.95	13,340

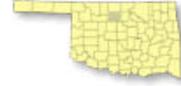
Sales and Related Occupations



Enid MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Sales and Related Occupations	41-0000	2,190	10.57	6.38	7.92	11.52	21,980
First-Line Supervisors/Managers of Retail Sales Workers	41-1011	260	14.42	9.61	12.21	18.07	30,000
First-Line Supervisors/Managers of Non-Retail Sales Workers	41-1012	50	18.55	13.32	16.37	21.37	38,580
Cashiers	41-2011	610	6.71	5.90	6.46	7.12	13,960
Counter and Rental Clerks	41-2021	50	9.46	5.89	6.52	10.45	19,680
Parts Salespersons	41-2022	90	10.49	7.27	9.49	12.35	21,820
Retail Salespersons	41-2031	670	9.74	6.28	7.66	10.24	20,260
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	41-4012	220	15.30	9.49	12.27	18.01	31,830

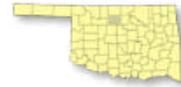
Office and Administrative Support Occupations



Enid MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Office and Administrative Support Occupations	43-0000	3,870	10.49	7.64	9.53	12.33	21,820
First-Line Supervisors/Managers of Office and Administrative Support Workers	43-1011	230	16.33	12.10	15.92	19.99	33,970
Switchboard Operators, Including Answering Service	43-2011	30	9.22	7.84	8.81	10.46	19,180
Bill and Account Collectors	43-3011	40	12.06	9.42	11.16	14.28	25,080
Billing and Posting Clerks and Machine Operators	43-3021	80	9.90	8.17	9.75	11.58	20,600
Bookkeeping, Accounting, and Auditing Clerks	43-3031	370	10.95	8.80	10.30	12.77	22,770
Payroll and Timekeeping Clerks	43-3051	**	9.07	6.80	9.14	10.93	18,860
Tellers	43-3071	140	7.92	6.93	7.89	8.78	16,480
Customer Service Representatives	43-4051	210	11.10	8.28	10.15	12.98	23,090
Loan Interviewers and Clerks	43-4131	40	12.02	9.35	11.31	13.14	24,990
Order Clerks	43-4151	40	9.43	8.08	9.25	10.63	19,610
Receptionists and Information Clerks	43-4171	130	8.23	6.77	7.98	9.53	17,130
Dispatchers, Except Police, Fire, and Ambulance	43-5032	30	16.05	11.16	13.38	22.78	33,390
Production, Planning, and Expediting Clerks	43-5061	90	13.11	9.47	11.18	14.96	27,270
Shipping, Receiving, and Traffic Clerks	43-5071	150	8.84	7.13	8.15	9.87	18,390
Stock Clerks and Order Fillers	43-5081	380	9.23	6.67	8.07	10.50	19,190
Executive Secretaries and Administrative Assistants	43-6011	150	13.10	10.35	12.57	14.99	27,250
Medical Secretaries	43-6013	70	9.28	8.18	9.33	10.34	19,300
Secretaries, Except Legal, Medical, and Executive	43-6014	410	9.53	7.19	9.18	11.48	19,810
Office Clerks, General	43-9061	580	8.82	6.90	8.51	10.24	18,350

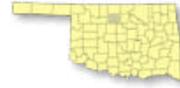
Farming, Fishing, and Forestry Occupations



Enid MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Farming, Fishing, and Forestry Occupations	45-0000	**	10.02	7.53	9.19	11.01	20,850
Graders and Sorters, Agricultural Products	45-2041	**	10.49	8.36	9.76	11.10	21,820

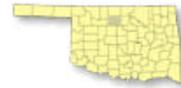
Construction and Extraction Occupations



Enid MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Construction and Extraction Occupations	47-0000	1,040	12.99	9.62	11.61	14.98	27,010
First-Line Supervisors/Managers of Construction Trades and Extraction Workers	47-1011	90	18.87	10.78	20.29	25.16	39,260
Carpenters	47-2031	30	11.81	11.12	12.41	13.58	24,560
Construction Laborers	47-2061	90	9.63	7.74	8.71	10.36	20,030
Operating Engineers and Other Construction Equipment Operators	47-2073	50	12.88	11.65	12.88	14.14	26,790
Electricians	47-2111	80	15.68	13.87	15.54	17.29	32,610
Plumbers, Pipefitters, and Steamfitters	47-2152	40	17.74	13.88	17.99	22.01	36,900
Helpers--Electricians	47-3013	60	10.52	9.01	10.55	12.08	21,880
Roustabouts, Oil and Gas	47-5071	120	11.17	9.32	11.34	12.87	23,240

Installation, Maintenance, and Repair Occupations



Enid MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Installation, Maintenance, and Repair Occupations	49-0000	1,180	13.61	9.37	12.44	17.05	28,310
First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	49-1011	110	18.56	14.31	17.06	22.01	38,600
Computer, Automated Teller, and Office Machine Repairers	49-2011	30	13.53	9.36	12.55	18.27	28,150
Automotive Service Technicians and Mechanics	49-3023	200	11.51	8.88	10.82	13.94	23,940
Bus and Truck Mechanics and Diesel Engine Specialists	49-3031	60	10.82	8.48	10.14	12.37	22,500
Industrial Machinery Mechanics	49-9041	40	17.01	14.78	16.56	19.60	35,380
Maintenance and Repair Workers, General	49-9042	300	11.89	8.68	11.07	14.26	24,730
Maintenance Workers, Machinery	49-9043	50	15.66	12.58	14.26	19.73	32,570
Helpers--Installation, Maintenance, and Repair Workers	49-9098	40	8.55	7.44	8.72	9.97	17,780

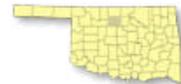
Production Occupations



Enid MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Production Occupations	51-0000	2,260	10.63	7.28	9.09	12.50	22,100
First-Line Supervisors/Managers of Production and Operating Workers	51-1011	130	21.40	16.64	21.41	26.10	44,520
Team Assemblers	51-2092	180	8.99	7.38	8.45	9.95	18,690
Butchers and Meat Cutters	51-3021	50	9.81	7.54	8.80	10.95	20,400
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	51-4031	40	10.67	9.22	11.33	12.41	22,200
Machinists	51-4041	80	12.53	9.62	13.53	15.55	26,050
Welders, Cutters, Solderers, and Brazers	51-4121	80	11.86	9.43	10.58	12.81	24,670
Inspectors, Testers, Sorters, Samplers, and Weighers	51-9061	50	18.67	12.67	17.79	22.84	38,820
Helpers--Production Workers	51-9198	**	8.31	7.45	8.04	8.63	17,290

Transportation and Material Moving Occupations



Enid MSA

Occupational Title	SOC	Mean Number Emp.	Mean Hourly Wage	Low	Median Wage	High	Mean Annual Wage
Transportation and Material Moving Occupations	53-0000	1,620	10.80	7.08	9.27	12.95	22,460
First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	53-1031	40	16.92	10.35	15.04	23.87	35,190
Bus Drivers, School	53-3022	50	8.60	6.52	9.24	10.38	17,900
Driver/Sales Workers	53-3031	90	9.00	5.92	6.68	11.52	18,710
Truck Drivers, Heavy and Tractor-Trailer	53-3032	330	12.17	9.52	11.00	13.18	25,300
Truck Drivers, Light Or Delivery Services	53-3033	210	11.84	7.39	8.97	15.82	24,630
Industrial Truck and Tractor Operators	53-7051	50	11.84	9.23	11.16	14.54	24,630
Cleaners of Vehicles and Equipment	53-7061	60	6.75	5.87	6.40	7.01	14,030
Laborers and Freight, Stock, and Material Movers, Hand	53-7062	370	8.34	6.92	7.75	8.98	17,340

Occupational Definitions

- 11-1011 Chief Executives**
Determine and formulate policies and provide the overall direction of companies or private and public sector organizations within the guidelines set up by a board of directors or similar governing body. Plan, direct, or coordinate operational activities at the highest level of management with the help of subordinate executives and staff managers.
- 11-1021 General and Operations Managers**
Plan, direct, or coordinate the operations of companies or public and private sector organizations. Duties and responsibilities include formulating policies, managing daily operations, and planning the use of materials and human resources, but are too diverse and general in nature to be classified in any one functional area of management or administration, such as personnel, purchasing, or administrative services. Include owners and managers who head small business establishments whose duties are primarily managerial. Exclude "First-Line Supervisors/Managers of Retail Sales Workers" (41-1011) and workers in other small establishments.
- 11-1031 Legislators**
Develop laws and statutes at the Federal, State, or local level. Include only elected officials.
- 11-2011 Advertising and Promotions Managers**
Plan and direct advertising policies and programs or produce collateral materials, such as posters, contests, coupons, or give-aways, to create extra interest in the purchase of a product or service for a department, an entire organization, or on an account basis.
- 11-2021 Marketing Managers**
Determine the demand for products and services offered by a firm and its competitors and identify potential customers. Develop pricing strategies with the goal of maximizing the firm's profits or share of the market while ensuring the firm's customers are satisfied. Oversee product development or monitor trends that indicate the need for new products and services.
- 11-2022 Sales Managers**
Direct the actual distribution or movement of a product or service to the customer. Coordinate sales distribution by establishing sales territories, quotas, and goals and establish training programs for sales representatives. Analyze sales statistics gathered by staff to determine sales potential and inventory requirements and monitor the preferences of customers.
- 11-2031 Public Relations Managers**
Plan and direct public relations programs designed to create and maintain a favorable public image for employer or client; or if engaged in fundraising, plan and direct activities to solicit and maintain funds for special projects and nonprofit organizations.
- 11-3011 Administrative Services Managers**
Plan, direct, or coordinate supportive services of an organization, such as recordkeeping, mail distribution, telephone operator/receptionist, and other office support services. May oversee facilities planning and maintenance and custodial operations. Exclude "Purchasing Managers" (11-3061).
- 11-3021 Computer and Information Systems Managers**
Plan, direct, or coordinate activities in such fields as electronic data processing, information systems, systems analysis, and computer programming. Exclude "Computer Specialists" (15-1011 through 15-1099).

Occupational Definitions

- 11-3031 Financial Managers**
Plan, direct, and coordinate accounting, investing, banking, insurance, securities, and other financial activities of a branch, office, or department of an establishment.
- 11-3040 Human Resources Managers**
This broad occupation includes the following three detailed occupations:
- 11-3041 Compensation and Benefits Managers
Plan, direct, or coordinate compensation and benefits activities and staff of an organization. Include job analysis and position description managers.
- 11-3042 Training and Development Managers
Plan, direct, or coordinate the training and development activities and staff of an organization.
- 11-3049 Human Resources Managers, All Other
All Human Resources Managers not listed separately.
- 11-3051 Industrial Production Managers**
Plan, direct, or coordinate the work activities and resources necessary for manufacturing products in accordance with cost, quality, and quantity specifications.
- 11-3061 Purchasing Managers**
Plan, direct, or coordinate the activities of buyers, purchasing officers, and related workers involved in purchasing materials, products, and services. Include wholesale or retail trade merchandising managers and procurement managers.
- 11-3071 Transportation, Storage, and Distribution Managers**
Plan, direct, or coordinate transportation, storage, or distribution activities in accordance with governmental policies and regulations. Include logistics managers.
- 11-9011 Farm, Ranch, and Other Agricultural Managers**
On a paid basis, manage farms, ranches, aquacultural operations, greenhouses, nurseries, timber tracts, cotton gins, packing houses, or other agricultural establishments for employers. Carry out production, financial, and marketing decisions relating to the managed operations following guidelines from the owner. May contract tenant farmers or producers to carry out the day-to-day activities of the managed operation. May supervise planting, cultivating, harvesting, and marketing activities. May prepare cost, production, and other records. May perform physical work and operate machinery.
- 11-9021 Construction Managers**
Plan, direct, coordinate, or budget, usually through subordinate supervisory personnel, activities concerned with the construction and maintenance of structures, facilities, and systems. Participate in the conceptual development of a construction project and oversee its organization, scheduling, and implementation. Include specialized construction fields, such as carpentry or plumbing. Include general superintendents, project managers, and constructors who manage, coordinate, and supervise the construction process.
- 11-9041 Engineering Managers**
Plan, direct, or coordinate activities in such fields as architecture and engineering or research and development in these fields. Exclude "Natural Sciences Managers" (11-9121).

Occupational Definitions

- 11-9051 Food Service Managers**
Plan, direct, or coordinate activities of an organization or department that serves food and beverages.
- 11-9061 Funeral Directors**
Perform various tasks to arrange and direct funeral services, such as coordinating transportation of body to mortuary for embalming, interviewing family or other authorized person to arrange details, selecting pallbearers, procuring official for religious rites, and providing transportation for mourners.
- 11-9071 Gaming Managers**
Plan, organize, direct, control, or coordinate gaming operations in a casino. Formulate gaming policies for their area of responsibility.
- 11-9081 Lodging Managers**
Plan, direct, or coordinate activities of an organization or department that provides lodging and other accommodations. Exclude "Food Service Managers" (11-9051) in lodging establishments.
- 11-9111 Medical and Health Services Managers**
Plan, direct, or coordinate medicine and health services in hospitals, clinics, managed care organizations, public health agencies, or similar organizations.
- 11-9121 Natural Sciences Managers**
Plan, direct, or coordinate activities in such fields as life sciences, physical sciences, mathematics, statistics, and research and development in these fields. Exclude "Engineering Managers" (11-9041) and "Computer and Information Systems Managers" (11-3021).
- 11-9131 Postmasters and Mail Superintendents**
Direct and coordinate operational, administrative, management, and supportive services of a U.S. post office; or coordinate activities of workers engaged in postal and related work in assigned post office.
- 11-9141 Property, Real Estate, and Community Association Managers**
Plan, direct, or coordinate selling, buying, leasing, or governance activities of commercial, industrial, or residential real estate properties. Include managers of homeowner and condominium associations, rented or leased housing units, buildings, or land (including rights-of-way).
- 11-9151 Social and Community Service Managers**
Plan, organize, or coordinate the activities of a social service program or community outreach organization. Oversee the program or organization's budget and policies regarding participant involvement, program requirements, and benefits. Work may involve directing social workers, counselors, or probation officers.
- 11-9199 Managers, All Others**
All other managers not listed separately.
- 13-1011 Agents and Business Managers of Artists, Performers, and Athletes**
Represent and promote artists, performers, and athletes to prospective employers. May handle contract negotiation and other business matters for clients.
- 13-1021 Purchasing Agents and Buyers, Farm Products**
Purchase farm products either for further processing or resale. Include Christmas tree contractors, grain brokers and market operators, grain buyers, and tobacco buyers.

Occupational Definitions

- 13-1022 Wholesale and Retail Buyers, Except Farm Products**
Buy merchandise or commodities, other than farm products, for resale to consumers at the wholesale or retail level, including both durable and nondurable goods. Analyze past buying trends, sales records, price, and quality of merchandise to determine value and yield. Select, order, and authorize payment for merchandise according to contractual agreements. May conduct meetings with sales personnel and introduce new products. Include assistant buyers.
- 13-1023 Purchasing Agents, Except Wholesale, Retail, and Farm Products**
Purchase machinery, equipment, tools, parts, supplies, or services necessary for the operation of an establishment. Purchase raw or semi-finished materials for manufacturing. Include contract specialists, field contractors, purchasers, price analysts, tooling coordinators, and media buyers. Exclude "Purchasing Agents and Buyers, Farm Products" (13-1021) and "Wholesale and Retail Buyers, Except Farm Products" (13-1022).
- 13-1031 Claims Adjusters, Examiners, and Investigators**
Review settled claims to determine that payments and settlements have been made in accordance with company practices and procedures, ensuring that proper methods have been followed. Report overpayments, underpayments, and other irregularities. Confer with legal counsel on claims requiring litigation.
- 13-1032 Insurance Appraisers, Auto Damage**
Appraise automobile or other vehicle damage to determine cost of repair for insurance claim settlement and seek agreement with automotive repair shop on cost of repair. Prepare insurance forms to indicate repair cost or cost estimates and recommendations.
- 13-1041 Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation**
Examine, evaluate, and investigate eligibility for or conformity with laws and regulations governing contract compliance of licenses and permits, and other compliance and enforcement inspection activities not classified elsewhere. Exclude "Tax Examiners, Collectors, and Revenue Agents" (13-2081) and "Financial Examiners" (13-2061).
- 13-1051 Cost Estimators**
Prepare cost estimates for product manufacturing, construction projects, or services to aid management in bidding on or determining price of product or service. May specialize according to particular service performed or type of product manufactured.
- 13-1061 Emergency Management Specialists**
Coordinate disaster response or crisis management activities, provide disaster preparedness training, and prepare emergency plans and procedures for natural (e.g., hurricanes, floods, earthquakes), wartime, or technological (e.g., nuclear power plant emergencies, hazardous materials spills) disasters or hostage situations.
- 13-1071 Employment, Recruitment, and Placement Specialists**
Recruit and place workers.
- 13-1072 Compensation, Benefits, and Job Analysis Specialists**
Conduct programs of compensation and benefits and job analysis for employer. May specialize in specific areas, such as position classification and pension programs.

Occupational Definitions

- 13-1073 Training and Development Specialists**
Conduct training and development programs for employees.
- 13-1111 Management Analysts**
Conduct organizational studies and evaluations, design systems and procedures, conduct work simplifications and measurement studies, and prepare operations and procedures manuals to assist management in operating more efficiently and effectively. Include program analysts and management consultants. Exclude "Computer Systems Analysts" (15-1051) and "Operations Research Analysts" (15-2031).
- 13-1121 Meeting and Convention Planners**
Coordinate activities of staff and convention personnel to make arrangements for group meetings and conventions.
- 13-1199 Business Operations Specialists, all others**
- 13-2011 Accountants and Auditors**
Examine, analyze, and interpret accounting records for the purpose of giving advice or preparing statements. Install or advise on systems of recording costs or other financial and budgetary data.
- 13-2021 Appraisers and Assessors of Real Estate**
Appraise real property to determine its fair value. May assess taxes in accordance with prescribed schedules.
- 13-2031 Budget Analysts**
Examine budget estimates for completeness, accuracy, and conformance with procedures and regulations. Analyze budgeting and accounting reports for the purpose of maintaining expenditure controls.
- 13-2041 Credit Analysts**
Analyze current credit data and financial statements of individuals or firms to determine the degree of risk involved in extending credit or lending money. Prepare reports with this credit information for use in decision-making.
- 13-2051 Financial Analysts**
Conduct quantitative analyses of information affecting investment programs of public or private institutions.
- 13-2052 Personal Financial Advisors**
Advise clients on financial plans utilizing knowledge of tax and investment strategies, securities, insurance, pension plans, and real estate. Duties include assessing clients' assets, liabilities, cash flow, insurance coverage, tax status, and financial objectives to establish investment strategies.
- 13-2053 Insurance Underwriters**
Review individual applications for insurance to evaluate degree of risk involved and determine acceptance of applications.
- 13-2061 Financial Examiners**
Enforce or ensure compliance with laws and regulations governing financial and securities institutions and financial and real estate transactions. May examine, verify correctness of, or establish authenticity of records.

Occupational Definitions

- 13-2071** **Loan Counselors**
Provide guidance to prospective loan applicants who have problems qualifying for traditional loans. Guidance may include determining the best type of loan and explaining loan requirements or restrictions.
- 13-2072** **Loan Officers**
Evaluate, authorize, or recommend approval of commercial, real estate, or credit loans. Advise borrowers on financial status and methods of payments. Include mortgage loan officers and agents, collection analysts, loan servicing officers, and loan underwriters.
- 13-2081** **Tax Examiners, Collectors, and Revenue Agents**
Determine tax liability or collect taxes from individuals or business firms according to prescribed laws and regulations.
- 13-2082** **Tax Preparers**
Prepare tax returns for individuals or small businesses but do not have the background or responsibilities of an accredited or certified public accountant.
- 13-2099** **Financial Specialist, all others**
All financial specialists not listed speratly.
- 15-1011** **Computer and Information Scientists, Research**
Conduct research into fundamental computer and information science as theorists, designers, or inventors. Solve or develop solutions to problems in the field of computer hardware and software.
- 15-1021** **Computer Programmers**
Convert project specifications and statements of problems and procedures to detailed logical flow charts for coding into computer language. Develop and write computer programs to store, locate, and retrieve specific documents, data, and information. May program web sites.
- 15-1031** **Computer Software Engineers, Applications**
Develop, create, and modify general computer applications software or specialized utility programs. Analyze user needs and develop software solutions. Design software or customize software for client use with the aim of optimizing operational efficiency. May analyze and design databases within an application area, working individually or coordinating database development as part of a team. Exclude "Computer Hardware Engineers" (17-2061).
- 15-1032** **Computer Software Engineers, Systems Software**
Research, design, develop, and test operating systems-level software, compilers, and network distribution software for medical, industrial, military, communications, aerospace, business, scientific, and general computing applications. Set operational specifications and formulate and analyze software requirements. Apply principles and techniques of computer science, engineering, and mathematical analysis.
- 15-1041** **Computer Support Specialists**
Provide technical assistance to computer system users. Answer questions or resolve computer problems for clients in person, via telephone or from remote location. May provide assistance concerning the use of computer hardware and software, including printing, installation, word processing, electronic mail, and operating systems. Exclude "Network and Computer Systems Administrators" (15-1071).

Occupational Definitions

- 15-1051 Computer Systems Analysts**
Analyze science, engineering, business, and all other data processing problems for application to electronic data processing systems. Analyze user requirements, procedures, and problems to automate or improve existing systems and review computer system capabilities, workflow, and scheduling limitations. May analyze or recommend commercially available software. Exclude persons working primarily as "Engineers" (17-2011 through 17-2199), "Mathematicians" (15-2021), or "Scientists" (19-1011 through 19-3099). May supervise computer programmers.
- 15-1061 Database Administrators**
Coordinate changes to computer databases, test and implement the database applying knowledge of database management systems. May plan, coordinate, and implement security measures to safeguard computer databases.
- 15-1071 Network and Computer Systems Administrators**
Install, configure, and support an organization's local area network (LAN), wide area network (WAN), and Internet system or a segment of a network system. Maintain network hardware and software. Monitor network to ensure network availability to all system users and perform necessary maintenance to support network availability. May supervise other network support and client server specialists and plan, coordinate, and implement network security measures. Exclude "Computer Support Specialists" (15-1041).
- 15-1081 Network Systems and Data Communications Analysts**
Analyze, design, test, and evaluate network systems, such as local area networks (LAN), wide area networks (WAN), Internet, intranet, and other data communications systems. Perform network modeling, analysis, and planning. Research and recommend network and data communications hardware and software. Include telecommunications specialists who deal with the interfacing of computer and communications equipment. May supervise computer programmers.
- 15-1099 Computer Specialists, all other**
All computer specialists not listed separately.
- 15-2011 Actuaries**
Analyze statistical data, such as mortality, accident, sickness, disability, and retirement rates and construct probability tables to forecast risk and liability for payment of future benefits. May ascertain premium rates required and cash reserves necessary to ensure payment of future benefits.
- 15-2021 Mathematicians**
Conduct research in fundamental mathematics or in application of mathematical techniques to science, management, and other fields. Solve or direct solutions to problems in various fields by mathematical methods.
- 15-2031 Operations Research Analysts**
Formulate and apply mathematical modeling and other optimizing methods using a computer to develop and interpret information that assists management with decision making, policy formulation, or other managerial functions. May develop related software, service, or products. Frequently concentrates on collecting and analyzing data and developing decision support software. May develop and supply optimal time, cost, or logistics networks for program evaluation, review, or implementation

Occupational Definitions

- 15-2041** **Statisticians**
Engage in the development of mathematical theory or apply statistical theory and methods to collect, organize, interpret, and summarize numerical data to provide usable information. May specialize in fields, such as bio-statistics, agricultural statistics, business statistics, economic statistics, or other fields. Include mathematical statisticians.
- 17-1011** **Architects, Except Landscape and Naval**
Plan and design structures, such as private residences, office buildings, theaters, factories, and other structural property.
- 17-1012** **Landscape Architects**
Plan and design land areas for such projects as parks and other recreational facilities, airports, highways, hospitals, schools, land subdivisions, and commercial, industrial, and residential sites.
- 17-1021** **Cartographers and Photogrammetrists**
Collect, analyze, and interpret geographic information provided by geodetic surveys, aerial photographs, and satellite data. Research, study, and prepare maps and other spatial data in digital or graphic form for legal, social, political, educational, and design purposes. May work with Geographic Information Systems (GIS). May design and evaluate algorithms, data structures, and user interfaces for GIS and mapping systems.
- 17-1022** **Surveyors**
Make exact measurements and determine property boundaries. Provide data relevant to the shape, contour, gravitation, location, elevation, or dimension of land or land features on or near the earth's surface for engineering, mapmaking, mining, land evaluation, construction, and other purposes.
- 17-1099** **All other architects, surveyors, and cartographers**
All architects, surveyors, and cartographers not listed separately.
- 17-2011** **Aerospace Engineers**
Perform a variety of engineering work in designing, constructing, and testing aircraft, missiles, and spacecraft. May conduct basic and applied research to evaluate adaptability of materials and equipment to aircraft design and manufacture. May recommend improvements in testing equipment and techniques.
- 17-2021** **Agricultural Engineers**
Apply knowledge of engineering technology and biological science to agricultural problems concerned with power and machinery, electrification, structures, soil and water conservation, and processing of agricultural products.
- 17-2031** **Biomedical Engineers**
Apply knowledge of engineering, biology, and biomechanical principles to the design, development, and evaluation of biological and health systems and products, such as artificial organs, prostheses, instrumentation, medical information systems, and health management and care delivery systems.
- 17-2041** **Chemical Engineers**
Design chemical plant equipment and devise processes for manufacturing chemicals and products, such as gasoline, synthetic rubber, plastics, detergents, cement, paper, and pulp, by applying principles and technology of chemistry, physics, and engineering.

Occupational Definitions

- 17-2051 Civil Engineers**
Perform engineering duties in planning, designing, and overseeing construction and maintenance of building structures, and facilities, such as roads, railroads, airports, bridges, harbors, channels, dams, irrigation projects, pipelines, power plants, water and sewage systems, and waste disposal units. Include architectural, structural, traffic, ocean, and geo-technical engineers. Exclude "Hydrologists" (19-2043).
- 17-2061 Computer Hardware Engineers**
Research, design, develop, and test computer or computer-related equipment for commercial, industrial, military, or scientific use. May supervise the manufacturing and installation of computer or computer-related equipment and components. Exclude "Computer Software Engineers, Applications" (15-1031) and "Computer Software Engineers, Systems Software" (15-1032).
- 17-2071 Electrical Engineers**
Design, develop, test, or supervise the manufacturing and installation of electrical equipment, components, or systems for commercial, industrial, military, or scientific use. Exclude "Computer Hardware Engineers" (17-2061).
- 17-2072 Electronics Engineers, Except Computer**
Research, design, develop, and test electronic components and systems for commercial, industrial, military, or scientific use utilizing knowledge of electronic theory and materials properties. Design electronic circuits and components for use in fields such as telecommunications, aerospace guidance and propulsion control, acoustics, or instruments and controls. Exclude "Computer Hardware Engineers" (17-2061).
- 17-2081 Environmental Engineers**
Design, plan, or perform engineering duties in the prevention, control, and remediation of environmental health hazards utilizing various engineering disciplines. Work may include waste treatment, site remediation, or pollution control technology.
- 17-2111 Health and Safety Engineers, Except Mining Safety Engineers and Inspectors**
Promote worksite or product safety by applying knowledge of industrial processes, mechanics, chemistry, psychology, and industrial health and safety laws. Include industrial product safety engineers.
- 17-2112 Industrial Engineers**
Design, develop, test, and evaluate integrated systems for managing industrial production processes including human work factors, quality control, inventory control, logistics and material flow, cost analysis, and production coordination. Exclude "Health and Safety Engineers, Except Mining Safety Engineers and Inspectors" (17-2111).
- 17-2131 Materials Engineers**
Evaluate materials and develop machinery and processes to manufacture materials for use in products that must meet specialized design and performance specifications. Develop new uses for known materials. Include those working with composite materials or specializing in one type of material, such as graphite, metal and metal alloys, ceramics and glass, plastics and polymers, and naturally occurring materials. Include metallurgists and metallurgical engineers, ceramic engineers, and welding engineers.

Occupational Definitions

- 17-2141 Mechanical Engineers**
Perform engineering duties in planning and designing tools, engines, machines, and other mechanically functioning equipment. Oversee installation, operation, maintenance, and repair of such equipment as centralized heat, gas, water, and steam systems.
- 17-2151 Mining and Geological Engineers, Including Mining Safety Engineers**
Determine the location and plan the extraction of coal, metallic ores, nonmetallic minerals, and building materials, such as stone and gravel. Work involves conducting preliminary surveys of deposits or undeveloped mines and planning their development; examining deposits or mines to determine whether they can be worked at a profit; making geological and topographical surveys; evolving methods of mining best suited to character, type, and size of deposits; and supervising mining operations.
- 17-2171 Petroleum Engineers**
Devise methods to improve oil and gas well production and determine the need for new or modified tool designs. Oversee drilling and offer technical advice to achieve economical and satisfactory progress.
- 17-2199 Engineers, all others**
All engineers not listed separately.
- 17-3011 Architectural and Civil Drafters**
Prepare detailed drawings of architectural and structural features of buildings or drawings and topographical relief maps used in civil engineering projects, such as highways, bridges, and public works. Utilize knowledge of building materials, engineering practices, and mathematics to complete drawings.
- 17-3012 Electrical and Electronics Drafters**
Prepare wiring diagrams, circuit board assembly diagrams, and layout drawings used for manufacture, installation, and repair of electrical equipment in factories, power plants, and buildings.
- 17-3013 Mechanical Drafters**
Prepare detailed working diagrams of machinery and mechanical devices, including dimensions, fastening methods, and other engineering information.
- 17-3021 Aerospace Engineering and Operations Technicians**
Operate, install, calibrate, and maintain integrated computer/communications systems consoles, simulators, and other data acquisition, test, and measurement instruments and equipment to launch, track, position, and evaluate air and space vehicles. May record and interpret test data.
- 17-3022 Civil Engineering Technicians**
Apply theory and principles of civil engineering in planning, designing, and overseeing construction and maintenance of structures and facilities under the direction of engineering staff or physical scientists.

Occupational Definitions

- 17-3023 Electrical and Electronic Engineering Technicians**
Apply electrical and electronic theory and related knowledge, usually under the direction of engineering staff, to design, build, repair, calibrate, and modify electrical components, circuitry, controls, and machinery for subsequent evaluation and use by engineering staff in making engineering design decisions. Exclude "Broadcast Technicians" (27-4012).
- 17-3024 Electro-Mechanical Technicians**
Operate, test, and maintain unmanned, automated, servo-mechanical, or electromechanical equipment. May operate unmanned submarines, aircraft, or other equipment at worksites, such as oil rigs, deep ocean exploration, or hazardous waste removal. May assist engineers in testing and designing robotics equipment.
- 17-3025 Environmental Engineering Technicians**
Apply theory and principles of environmental engineering to modify, test, and operate equipment and devices used in the prevention, control, and remediation of environmental pollution, including waste treatment and site remediation. May assist in the development of environmental pollution remediation devices under direction of engineer.
- 17-3026 Industrial Engineering Technicians**
Apply engineering theory and principles to problems of industrial layout or manufacturing production, usually under the direction of engineering staff. May study and record time, motion, method, and speed involved in performance of production, maintenance, clerical, and other worker operations for such purposes as establishing standard production rates or improving efficiency.
- 17-3031 Surveying and Mapping Technicians**
Perform surveying and mapping duties, usually under the direction of a surveyor, cartographer, or photogrammetrist to obtain data used for construction, mapmaking, boundary location, mining, or other purposes. May calculate mapmaking information and create maps from source data, such as surveying notes, aerial photography, satellite data, or other maps to show topographical features, political boundaries, and other features. May verify accuracy and completeness of topographical maps. Exclude "Surveyors" (17-1022), "Cartographers and Photogrammetrists" (17-1021), and "Geoscientists, Except Hydrologists and Geographers" (19-2042).
- 17-3099 All Other Drafters, engineering, and mapping technicians**
- 19-0000 Life, Physical, and Social Science Occupations**
This major group comprises the following occupations: Agricultural and Food Scientists ;Biochemists and Biophysicists ; Microbiologists ; Zoologists and Wildlife Biologists ; Conservation Scientists ; Foresters ; Epidemiologists ; Medical Scientists, Except Epidemiologists ; Astronomers ; Physicists ; Atmospheric and Space Scientists ; Chemists ; Materials Scientists ; Environmental Scientists and Specialists, Including Health ;Geoscientists, Except Hydrologists and Geographers ; Hydrologists ; Economists ; Market Research Analysts ; Survey Researchers ; Clinical, Counseling, and School Psychologists; Industrial-Organizational Psychologists ; Sociologists ; Urban and Regional Planners ;Anthropologists and Archeologists ; Geographers ; Historians ; Political Scientists ; Agricultural and Food Science Technicians ; Biological Technicians ; Chemical Technicians ;Geological and Petroleum Technicians ; Nuclear Technicians ; Environmental Science and Protection Technicians, Including Health ; Forensic Science Technicians ; Forest and Conservation Technicians; and residual, "All Other", occupations in this major group.
- 19-1000 Life Sciences**

Occupational Definitions

19-1010

Agricultural and Food Scientists

This broad occupation includes the following three detailed occupations:

19-1011 Animal Scientists

Conduct research in the genetics, nutrition, reproduction, growth, and development of domestic farm animals.

19-1012 Food Scientists and Technologists

Use chemistry, microbiology, engineering, and other sciences to study the principles underlying the processing and deterioration of foods; analyze food content to determine levels of vitamins, fat, sugar, and protein; discover new food sources; research ways to make processed foods safe, palatable, and healthful; and apply food science knowledge to determine best ways to process, package, preserve, store, and distribute food.

19-1013 Soil and Plant Scientists

Conduct research in breeding, physiology, production, yield, and management of crops and agricultural plants, their growth in soils, and control of pests; or study the chemical, physical, biological, and mineralogical composition of soils as they relate to plant or crop growth. May classify and map soils and investigate effects of alternative practices on soil and crop productivity.

19-1031

Conservation Scientists

Manage, improve, and protect natural resources to maximize their use without damaging the environment. May conduct soil surveys and develop plans to eliminate soil erosion or to protect rangelands from fire and rodent damage. May instruct farmers, agricultural production managers, or ranchers in best ways to use crop rotation, contour plowing, or terracing to conserve soil and water; in the number and kind of livestock and forage plants best suited to particular ranges; and in range and farm improvements, such as fencing and reservoirs for stock watering. Exclude "Zoologists and Wildlife Biologists" (19-1023) and "Foresters" (19-1032).

19-1032

Foresters

Manage forested lands for economic, recreational, and conservation purposes. May inventory the type, amount, and location of standing timber, appraise the timber's worth, negotiate the purchase, and draw up contracts for procurement. May determine how to conserve wildlife habitats, creek beds, water quality, and soil stability, and how best to comply with environmental regulations. May devise plans for planting and growing new trees, monitor trees for healthy growth, and determine the best time for harvesting. Develop forest management plans for public and privately-owned forested lands.

19-1099

Life Sciences, all others

All life scientists not listed separately.

19-2000

Physical Science

19-2021

Atmospheric and Space Scientists

Investigate atmospheric phenomena and interpret meteorological data gathered by surface and air stations, satellites, and radar to prepare reports and forecasts for public and other uses. Include weather analysts and forecasters whose functions require the detailed knowledge of a meteorologist.

19-2031

Chemists

Conduct qualitative and quantitative chemical analyses or chemical experiments in laboratories for quality or process control or to develop new products or knowledge. Exclude "Geoscientists, Except Hydrologists and Geographers" (19-2042) and "Biochemists and Biophysicists" (19-1021).

Occupational Definitions

- 19-2032 Materials Scientists**
Research and study the structures and chemical properties of various natural and manmade materials, including metals, alloys, rubber, ceramics, semiconductors, polymers, and glass. Determine ways to strengthen or combine materials or develop new materials with new or specific properties for use in a variety of products and applications. Include glass scientists, ceramic scientists, metallurgical scientists, and polymer scientists.
- 19-2041 Environmental Scientists and Specialists, Including Health**
Conduct research or perform investigation for the purpose of identifying, abating, or eliminating sources of pollutants or hazards that affect either the environment or the health of the population. Utilizing knowledge of various scientific disciplines may collect, synthesize, study, report, and take action based on data derived from measurements or observations of air, food, soil, water, and other sources. Exclude "Zoologists and Wildlife Biologists" (19-1023), "Conservation Scientists" (19-1031), "Forest and Conservation Technicians" (19-4093), "Fish and Game Wardens" (33-3031), and "Forest and Conservation Workers" (45-4011).
- 19-2042 Geoscientists, Except Hydrologists and Geographers**
Study the composition, structure, and other physical aspects of the earth. May use geological, physics, and mathematics knowledge in exploration for oil, gas, minerals, or underground water; or in waste disposal, land reclamation, or other environmental problems. May study the earth's internal composition, atmospheres, oceans, and its magnetic, electrical, and gravitational forces. Include mineralogists, crystallographers, paleontologists, stratigraphers, geodesists, and seismologists.
- 19-2043 Hydrologists**
Research the distribution, circulation, and physical properties of underground and surface waters; study the form and intensity of precipitation, its rate of infiltration into the soil, movement through the earth, and its return to the ocean and atmosphere.
- 19-2099 Physical Science, all others**
- 19-3000 Social Scientists and related workers**
- 19-3011 Economists**
Conduct research, prepare reports, or formulate plans to aid in solution of economic problems arising from production and distribution of goods and services. May collect and process economic and statistical data using econometric and sampling techniques. Exclude "Market Research Analysts" (19-3021).
- 19-3021 Market Research Analysts**
Research market conditions in local, regional, or national areas to determine potential sales of a product or service. May gather information on competitors, prices, sales, and methods of marketing and distribution. May use survey results to create a marketing campaign based on regional preferences and buying habits.
- 19-3022 Survey Researchers**
Design or conduct surveys. May supervise interviewers who conduct the survey in person or over the telephone. May present survey results to client. Exclude "Statisticians" (15-2041), "Economists" (19-3011), "Market Research Analysts" (19-3021), and "Interviewers, Except Eligibility and Loan" (43-4111).

Occupational Definitions

- 19-3051 Urban and Regional Planners**
Develop comprehensive plans and programs for use of land and physical facilities of local jurisdictions, such as towns, cities, counties, and metropolitan areas.
- 19-3099 Social Scientists and Related Workers, all others**
- 19-4011 Agricultural and Food Science Technicians**
Work with agricultural scientists in food, fiber, and animal research, production, and processing; assist with animal breeding and nutrition work; under supervision, conduct tests and experiments to improve yield and quality of crops or to increase the resistance of plants and animals to disease or insects. Include technicians who assist food scientists or food technologists in the research, development, production technology, quality control, packaging, processing, and use of foods.
- 19-4021 Biological Technicians**
Assist biological and medical scientists in laboratories. Set up, operate, and maintain laboratory instruments and equipment, monitor experiments, make observations, and calculate and record results. May analyze organic substances, such as blood, food, and drugs.
- 19-4031 Chemical Technicians**
Conduct chemical and physical laboratory tests to assist scientists in making qualitative and quantitative analyses of solids, liquids, and gaseous materials for purposes, such as research and development of new products or processes, quality control, maintenance of environmental standards, and other work involving experimental, theoretical, or practical application of chemistry and related sciences.
- 19-4041 Geological and Petroleum Technicians**
Assist scientists in the use of electrical, sonic, or nuclear measuring instruments in both laboratory and production activities to obtain data indicating potential sources of metallic ore, gas, or petroleum. Analyze mud and drill cuttings. Chart pressure, temperature, and other characteristics of wells or bore holes. Investigate and collect information leading to the possible discovery of new oil fields.
- 19-4091 Environmental Science and Protection Technicians, Including Health**
Performs laboratory and field tests to monitor the environment and investigate sources of pollution, including those that affect health. Under direction of an environmental scientist or specialist, may collect samples of gases, soil, water, and other materials for testing and take corrective actions as assigned.
- 19-4092 Forensic Science Technicians**
Collect, identify, classify, and analyze physical evidence related to criminal investigations. Perform tests on weapons or substances, such as fiber, hair, and tissue to determine significance to investigation. May testify as expert witnesses on evidence or crime laboratory techniques. May serve as specialists in area of expertise, such as ballistics, fingerprinting, handwriting, or biochemistry.
- 19-4093 Forest and Conservation Technicians**
Compile data pertaining to size, content, condition, and other characteristics of forest tracts, under direction of foresters; train and lead forest workers in forest propagation, fire prevention and suppression. May assist conservation scientists in managing, improving, and protecting rangelands and wildlife habitats, and help provide technical assistance regarding the conservation of soil, water, and related natural resources.

Occupational Definitions

- 19-4099** **Life, Physical, and Social technicians, all others**
- 21-1011** **Substance Abuse and Behavioral Disorder Counselors**
Counsel and advise individuals with alcohol, tobacco, drug, or other problems, such as gambling and eating disorders. May counsel individuals, families, or groups or engage in prevention programs. Exclude "Social Workers" (21-1021 through 21-1029), "Psychologists" (19-3031 through 19-3039), and "Mental Health Counselors" (21-1014) providing these services.
- 21-1012** **Educational, Vocational, and School Counselors**
Counsel individuals and provide group educational and vocational guidance services.
- 21-1013** **Marriage and Family Therapists**
Diagnose and treat mental and emotional disorders, whether cognitive, affective, or behavioral, within the context of marriage and family systems. Apply psychotherapeutic and family systems theories and techniques in the delivery of professional services to individuals, couples, and families for the purpose of treating such diagnosed nervous and mental disorders. Exclude "Social Workers" (21-1021 through 21-1029) and "Psychologists" of all types (19-3031 through 19-3039).
- 21-1014** **Mental Health Counselors**
Counsel with emphasis on prevention. Work with individuals and groups to promote optimum mental health. May help individuals deal with addictions and substance abuse; family, parenting, and marital problems; suicide; stress management; problems with self-esteem; and issues associated with aging and mental and emotional health. Exclude "Social Workers" (21-1021 through 21-1029), "Psychiatrists" (29-1066), and "Psychologists" (19-3031 through 19-3039).
- 21-1015** **Rehabilitation Counselors**
Counsel individuals to maximize the independence and employability of persons coping with personal, social, and vocational difficulties that result from birth defects, illness, disease, accidents, or the stress of daily life. Coordinate activities for residents of care and treatment facilities. Assess client needs and design and implement rehabilitation programs that may include personal and vocational counseling, training, and job placement.
- 21-1021** **Child, Family, and School Social Workers**
Provide social services and assistance to improve the social and psychological functioning of children and their families and to maximize the family well-being and the academic functioning of children. May assist single parents, arrange adoptions, and find foster homes for abandoned or abused children. In schools, they address such problems as teenage pregnancy, misbehavior, and truancy. May also advise teachers on how to deal with problem children.
- 21-1022** **Medical and Public Health Social Workers**
Provide persons, families, or vulnerable populations with the psychosocial support needed to cope with chronic, acute, or terminal illnesses, such as Alzheimer's, cancer, or AIDS. Services include advising family care givers, providing patient education and counseling, and making necessary referrals for other social services.
- 21-1023** **Mental Health and Substance Abuse Social Workers**
Assess and treat individuals with mental, emotional, or substance abuse problems, including abuse of alcohol, tobacco, and/or other drugs. Activities may include individual and group therapy, crisis intervention, case management, client advocacy, prevention, and education.

Occupational Definitions

- 21-1091 Health Educators**
Promote, maintain, and improve individual and community health by assisting individuals and communities to adopt healthy behaviors. Collect and analyze data to identify community needs prior to planning, implementing, monitoring, and evaluating programs designed to encourage healthy lifestyles, policies and environments. May also serve as a resource to assist individuals, other professionals, or the community, and may administer fiscal resources for health education programs.
- 21-1092 Probation Officers and Correctional Treatment Specialists**
Provide social services to assist in rehabilitation of law offenders in custody or on probation or parole. Make recommendations for actions involving formulation of rehabilitation plan and treatment of offender, including conditional release and education and employment stipulations.
- 21-1093 Social and Human Service Assistants**
Assist professionals from a wide variety of fields, such as psychology, rehabilitation, or social work, to provide client services, as well as support for families. May assist clients in identifying available benefits and social and community services and help clients obtain them. May assist social workers with developing, organizing, and conducting programs to prevent and resolve problems relevant to substance abuse, human relationships, rehabilitation, or adult daycare. Exclude "Rehabilitation Counselors" (21-1015), "Personal and Home Care Aides" (39-9021), "Eligibility Interviewers, Government Programs" (43-4061), and "Psychiatric Technicians" (29-2053).
- 21-2011 Clergy**
Conduct religious worship and perform other spiritual functions associated with beliefs and practices of religious faith or denomination. Provide spiritual and moral guidance and assistance to members.
- 21-2021 Directors, Religious Activities and Education**
Direct and coordinate activities of a denominational group to meet religious needs of students. Plan, direct, or coordinate church school programs designed to promote religious education among church membership. May provide counseling and guidance relative to marital, health, financial, and religious problems.
- 21-9099 All Other Counselors, Social, and Religious Workers**
- 23-1011 Lawyers**
Represent clients in criminal and civil litigation and other legal proceedings, draw up legal documents, and manage or advise clients on legal transactions. May specialize in a single area or may practice broadly in many areas of law.
- 23-1021 Administrative Law Judges, Adjudicators, and Hearing Officers**
Conduct hearings to decide or recommend decisions on claims concerning government programs or other government-related matters and prepare decisions. Determine penalties or the existence and the amount of liability, or recommend the acceptance or rejection of claims, or compromise settlements.
- 23-1022 Arbitrators, Mediators, and Conciliators**
Facilitate negotiation and conflict resolution through dialogue. Resolve conflicts outside of the court system by mutual consent of parties involved.

Occupational Definitions

- 23-1023** **Judges, Magistrate Judges, and Magistrates**
Arbitrate, advise, adjudicate, or administer justice in a court of law. May sentence defendant in criminal cases according to government statutes. May determine liability of defendant in civil cases. May issue marriage licenses and perform wedding ceremonies.
- 23-2011** **Paralegals and Legal Assistants**
Assist lawyers by researching legal precedent, investigating facts, or preparing legal documents. Conduct research to support a legal proceeding, to formulate a defense, or to initiate legal action.
- 23-2091** **Court Reporters**
Use verbatim methods and equipment to capture, store, retrieve, and transcribe pretrial and trial proceedings or other information. Include stenocaptioners who operate computerized stenographic captioning equipment to provide captions of live or prerecorded broadcasts for hearing-impaired viewers.
- 23-2092** **Law Clerks**
Assist lawyers or judges by researching or preparing legal documents. May meet with clients or assist lawyers and judges in court. Exclude "Lawyers" (23-1011) and "Paralegals and Legal Assistants" (23-2011).
- 23-2093** **Title Examiners, Abstractors, and Searchers**
Search real estate records, examine titles, or summarize pertinent legal or insurance details for a variety of purposes. May compile lists of mortgages, contracts, and other instruments pertaining to titles by searching public and private records for law firms, real estate agencies, or title insurance companies.
- 23-9099** **All Other Legal and Related Workers**
- 25-2011** **Preschool Teachers, Except Special Education**
Instruct children (normally up to 5 years of age) in activities designed to promote social, physical, and intellectual growth needed for primary school in preschool, day care center, or other child development facility. May be required to hold State certification. Exclude "Child Care Workers" (39-9011) and "Special Education Teachers" (25-2041 through 25-2043).
- 25-2012** **Kindergarten Teachers, Except Special Education**
Teach elemental natural and social science, personal hygiene, music, art, and literature to children from 4 to 6 years old. Promote physical, mental, and social development. May be required to hold State certification. Exclude "Special Education Teachers" (25-2041 through 25-2043).
- 25-2021** **Elementary School Teachers, Except Special Education**
Teach pupils in public or private schools at the elementary level basic academic, social, and other formative skills. Exclude "Special Education Teachers" (25-2041 through 25-2043).
- 25-2022** **Middle School Teachers, Except Special and Vocational Education**
Teach students in public or private schools in one or more subjects at the middle, intermediate, or junior high level, which falls between elementary and senior high school as defined by applicable State laws and regulations. Exclude "Middle School Vocational Education Teachers" (25-2023) and "Special Education Teachers" (25-2041 through 25-2043).
- 25-2023** **Vocational Education Teachers, Middle School**
Teach or instruct vocational or occupational subjects at the middle school level. Exclude "Special Education Teachers" (25-2041 through 25-2043).

Occupational Definitions

- 25-2031 Secondary School Teachers, Except Special and Vocational Education**
Instruct students in secondary public or private schools in one or more subjects at the secondary level, such as English, mathematics, or social studies. May be designated according to subject matter specialty, such as typing instructors, commercial teachers, or English teachers. Exclude "Vocational Education Secondary School Teachers" (25-2032) and "Special Education Teachers" (25-2041 through 25-2043).
- 25-2032 Vocational Education Teachers, Secondary School**
Teach or instruct vocational or occupational subjects at the secondary school level.
- 25-2041 Special Education Teachers, Preschool, Kindergarten, and Elementary School**
Teach elementary and preschool school subjects to educationally and physically handicapped students. Include teachers who specialize and work with audibly and visually handicapped students and those who teach basic academic and life processes skills to the mentally impaired.
- 25-2042 Special Education Teachers, Middle School**
Teach middle school subjects to educationally and physically handicapped students. Include teachers who specialize and work with audibly and visually handicapped students and those who teach basic academic and life processes skills to the mentally impaired.
- 25-2043 Special Education Teachers, Secondary School**
Teach secondary school subjects to educationally and physically handicapped students. Include teachers who specialize and work with audibly and visually handicapped students and those who teach basic academic and life processes skills to the mentally impaired.
- 25-3011 Adult Literacy, Remedial Education, and GED Teachers and Instructors**
Teach or instruct out-of-school youths and adults in remedial education classes, preparatory classes for the General Educational Development test, literacy, or English as a Second Language. Teaching may or may not take place in a traditional educational institution.
- 25-3021 Self-Enrichment Education Teachers**
Teach or instruct courses other than those that normally lead to an occupational objective or degree. Courses may include self-improvement, nonvocational, and nonacademic subjects. Teaching may or may not take place in a traditional educational institution.
- 25-3999 All Other Teachers, Primary, Secondary, and Adult**
All teachers, primary, secondary and adult not listed separately.
- 25-4010 Archivists, Curators, and Museum Technicians**
This broad occupation includes the following three detailed occupations:
- 25-4011 Archivists
Appraise, edit, and direct safekeeping of permanent records and historically valuable documents. Participants in research activities based on archival materials.
- 25-4012 Curators
Administer affairs of museum and conduct research programs. Direct instructional, research, and public service activities of institution.
- 25-4013 Museum Technicians and Conservators
Prepare specimens, such as fossils, skeletal parts, lace, and textiles, for museum collection and exhibits. May restore documents or install, arrange, and exhibit materials.

Occupational Definitions

- 25-4021 Librarians**
Administer libraries and perform related library services. Work in a variety of settings, including public libraries, schools, colleges and universities, museums, corporations, government agencies, law firms, non-profit organizations, and healthcare providers. Tasks may include selecting, acquiring, cataloguing, classifying, circulating, and maintaining library materials; and furnishing reference, bibliographical, and readers' advisory services. May perform in-depth, strategic research, and synthesize, analyze, edit, and filter information. May set up or work with databases and information systems to catalogue and access information.
- 25-4031 Library Technicians**
Assist librarians by helping readers in the use of library catalogs, databases, and indexes to locate books and other materials; and by answering questions that require only brief consultation of standard reference. Compile records; sort and shelve books; remove or repair damaged books; register patrons; check materials in and out of the circulation process. Replace materials in shelving area (stacks) or files. Include bookmobile drivers who operate bookmobiles or light trucks that pull trailers to specific locations on a predetermined schedule and assist with providing services in mobile libraries.
- 25-9011 Audio-Visual Collections Specialists**
Prepare, plan, and operate audio-visual teaching aids for use in education. May record, catalogue, and file audio-visual materials.
- 25-9021 Farm and Home Management Advisors**
Advise, instruct, and assist individuals and families engaged in agriculture, agricultural-related processes, or home economics activities. Demonstrate procedures and apply research findings to solve problems; instruct and train in product development, sales, and the utilization of machinery and equipment to promote general welfare. Include county agricultural agents, feed and farm management advisers, home economists, and extension service advisers.
- 25-9031 Instructional Coordinators**
Develop instructional material, coordinate educational content, and incorporate current technology in specialized fields that provide guidelines to educators and instructors for developing curricula and conducting courses. Include educational consultants and specialists, and instructional material directors.
- 25-9041 Teacher Assistants**
Perform duties that are instructional in nature or deliver direct services to students or parents. Serve in a position for which a teacher or another professional has ultimate responsibility for the design and implementation of educational programs and services.
- 25-9199 Library, Museum, Training, and Other Education Workers, all others**
- 27-1011 Art Directors**
Formulate design concepts and presentation approaches, and direct workers engaged in art work, layout design, and copy writing for visual communications media, such as magazines, books, newspapers, and packaging.

Occupational Definitions

- 27-1013 Fine Artists, Including Painters, Sculptors, and Illustrators**
Create original artwork using any of a wide variety of mediums and techniques, such as painting and sculpture.
- 27-1014 Multi-Media Artists and Animators**
Create special effects, animation, or other visual images using film, video, computers, or other electronic tools and media for use in products or creations, such as computer games, movies, music videos, and commercials.
- 27-1021 Commercial and Industrial Designers**
Develop and design manufactured products, such as cars, home appliances, and children's toys. Combine artistic talent with research on product use, marketing, and materials to create the most functional and appealing product design.
- 27-1022 Fashion Designers**
Design clothing and accessories. Create original garments or design garments that follow well established fashion trends. May develop the line of color and kinds of materials.
- 27-1023 Floral Designers**
Design, cut, and arrange live, dried, or artificial flowers and foliage.
- 27-1024 Graphic Designers**
Design or create graphics to meet specific commercial or promotional needs, such as packaging, displays, or logos. May use a variety of mediums to achieve artistic or decorative effects.
- 27-1025 Interior Designers**
Plan, design, and furnish interiors of residential, commercial, or industrial buildings. Formulate design which is practical, aesthetic, and conducive to intended purposes, such as raising productivity, selling merchandise, or improving life style. May specialize in a particular field, style, or phase of interior design. Exclude "Merchandise Displayers and Window Trimmers" (27-1026).
- 27-1026 Merchandise Displayers and Window Trimmers**
Plan and erect commercial displays, such as those in windows and interiors of retail stores and at trade exhibitions.
- 27-1099 All Other Art and Design Workers**
- 27-2011 Actors**
Play parts in stage, television, radio, video, or motion picture productions for entertainment, information, or instruction. Interpret serious or comic role by speech, gesture, and body movement to entertain or inform audience. May dance and sing.
- 27-2012 Producers and Directors**
Produce or direct stage, television, radio, video, or motion picture productions for entertainment, information, or instruction. Responsible for creative decisions, such as interpretation of script, choice of guests, set design, sound, special effects, and choreography.
- 27-2021 Athletes and Sports Competitors**
Compete in athletic events

Occupational Definitions

- 27-2022 Coaches and Scouts**
Instruct or coach groups or individuals in the fundamentals of sports. Demonstrate techniques and methods of participation. May evaluate athletes' strengths and weaknesses as possible recruits or to improve the athletes' technique to prepare them for competition. Those required to hold teaching degrees should be reported in the appropriate teaching category. Exclude "Athletic Trainers" (29-9091).
- 27-2023 Umpires, Referees, and Other Sports Officials**
Officiate at competitive athletic or sporting events. Detect infractions of rules and decide penalties according to established regulations. Include all sporting officials, referees, and competition judges.
- 27-2031 Dancers**
Perform dances. May also sing or act
- 27-2032 Choreographers**
Create and teach dance. May direct and stage presentations.
- 27-2041 Music Directors and Composers**
Conduct, direct, plan, and lead instrumental or vocal performances by musical groups, such as orchestras, choirs, and glee clubs. Include arrangers, composers, choral directors, and orchestrators.
- 27-2042 Musicians and Singers**
Play one or more musical instruments or entertain by singing songs in recital, in accompaniment, or as a member of an orchestra, band, or other musical group. Musical performers may entertain on-stage, radio, TV, film, video, or record in studios. Exclude "Dancers" (27-2031).
- 27-2099 Entertainers and Performers, Sports and Related Workers, all others**
- 27-3010 Announcers**
This broad occupation includes the following two detailed occupations:
- 27-3011 Radio and Television Announcers
Talk on radio or television. May interview guests, act as master of ceremonies, read news flashes, identify station by giving call letters, or announce song title and artist.
- 27-3012 Public Address System and Other Announcers
Make announcements over loud speaker at sporting or other public events. May act as master of ceremonies or disc jockey at weddings, parties, clubs, or other gathering places.
- 27-3020 News Analysts, Reporters and Correspondents**
This broad occupation includes the following two detailed occupations:
- 27-3021 Broadcast News Analysts
Analyze, interpret, and broadcast news received from various sources.
- 27-3022 Reporters and Correspondents
Collect and analyze facts about newsworthy events by interview, investigation, or observation. Report and write stories for newspaper, news magazine, radio, or television. Exclude "Broadcast News Analysts" (27-3021).

Occupational Definitions

- 27-3031 Public Relations Specialists**
Engage in promoting or creating good will for individuals, groups, or organizations by writing or selecting favorable publicity material and releasing it through various communications media. May prepare and arrange displays, and make speeches.
- 27-3041 Editors**
Perform variety of editorial duties, such as laying out, indexing, and revising content of written materials, in preparation for final publication. Include technical editors.
- 27-3042 Technical Writers**
Write technical materials, such as equipment manuals, appendices, or operating and maintenance instructions. May assist in layout work.
- 27-3043 Writers and Authors**
Originate and prepare written material, such as scripts, stories, advertisements, and other material. Exclude "Public Relations Specialists" (27-3031) and "Technical Writers" (27-3042).
- 27-3091 Interpreters and Translators**
Translate or interpret written, oral, or sign language text into another language for others.
- 27-3099 Media and Communication Workers, all others**
- 27-4011 Audio and Video Equipment Technicians**
Set up or set up and operate audio and video equipment including microphones, sound speakers, video screens, projectors, video monitors, recording equipment, connecting wires and cables, sound and mixing boards, and related electronic equipment for concerts, sports events, meetings and conventions, presentations, and news conferences. May also set up and operate associated spotlights and other custom lighting systems. Exclude "Sound Engineering Technicians" (27-4014).
- 27-4012 Broadcast Technicians**
Set up, operate, and maintain the electronic equipment used to transmit radio and television programs. Control audio equipment to regulate volume level and quality of sound during radio and television broadcasts. Operate radio transmitter to broadcast radio and television programs.
- 27-4014 Sound Engineering Technicians**
Operate machines and equipment to record, synchronize, mix, or reproduce music, voices, or sound effects in sporting arenas, theater productions, recording studios, or movie and video productions.
- 27-4021 Photographers**
Photograph persons, subjects, merchandise, or other commercial products. May develop negatives and produce finished prints. Include scientific photographers, aerial photographers, and photojournalists.
- 27-4031 Camera Operators, Television, Video, and Motion Picture**
Operate television, video, or motion picture camera to photograph images or scenes for various purposes, such as TV broadcasts, advertising, video production, or motion pictures.
- 27-4032 Film and Video Editors**
Edit motion picture soundtracks, film, and video.

Occupational Definitions

27-4099

Media and Communications Equipment Workers, all others

All media and communication equipment workers not listed separately.

29-1020

Dentists

This broad occupation includes the following five detailed occupations:

29-1021 Dentists, General

Diagnose and treat diseases, injuries, and malformations of teeth and gums and related oral structures. May treat diseases of nerve, pulp, and other dental tissues affecting vitality of teeth. Exclude "Prosthodontists" (29-1024), "Orthodontists" (29-1023), "Oral and Maxillofacial Surgeons" (29-1022) and "Dentists, all other specialists" (29-1029)

29-1022 Oral and Maxillofacial Surgeons

Perform surgery on mouth, jaws, and related head and neck structure to execute difficult and multiple extractions of teeth, to remove tumors and other abnormal growths, to correct abnormal jaw relations by mandibular or maxillary revision, to prepare mouth for insertion of dental prosthesis, or to treat fractured jaws.

29-1023 Orthodontists

Examine, diagnose, and treat dental malocclusions and oral cavity anomalies. Design and fabricate appliances to realign teeth and jaws to produce and maintain normal function and to improve appearance.

29-1024 Prosthodontists

Construct oral prostheses to replace missing teeth and other oral structures to correct natural and acquired deformation of mouth and jaws, to restore and maintain oral function, such as chewing and speaking, and to improve appearance.

29-1029 Dentists, All Other Specialists

All dentists not listed separately.

29-1031

Dietitians and Nutritionists

Plan and conduct food service or nutritional programs to assist in the promotion of health and control of disease. May supervise activities of a department providing quantity food services, counsel individuals, or conduct nutritional research.

29-1041

Optometrists

Diagnose, manage, and treat conditions and diseases of the human eye and visual system. Examine eyes and visual system, diagnose problems or impairments, prescribe corrective lenses, and provide treatment. May prescribe therapeutic drugs to treat specific eye conditions.

29-1051

Pharmacists

Dispense drugs prescribed by physicians and other health practitioners and provide information to patients about medications and their use. May advise physicians and other health practitioners on the selection, dosage, interactions, and side effects of medications.

29-1060

Anesthesiologists

Administer anesthetics during surgery or other medical procedures.

Occupational Definitions

- 29-1071 Physician Assistants**
Provide healthcare services typically performed by a physician, under the supervision of a physician. Conduct complete physicals, provide treatment, and counsel patients. May, in some cases, prescribe medication. Must graduate from an accredited educational program for physician assistants. Exclude "Emergency Medical Technicians and Paramedics" (29-2041), "Medical Assistants" (31-9092), and "Registered Nurses" (29-1111).
- 29-1111 Registered Nurses**
Assess patient health problems and needs, develop and implement nursing care plans, and maintain medical records. Administer nursing care to ill, injured, convalescent, or disabled patients. May advise patients on health maintenance and disease prevention or provide case management. Licensing or registration required. Include advance practice nurses such as: nurse practitioners, clinical nurse specialists, certified nurse midwives, and certified registered nurse anesthetists. Advanced practice nursing is practiced by RNs who have specialized formal, post-basic education and who function in highly autonomous and specialized roles.
- 29-1121 Audiologists**
Assess and treat persons with hearing and related disorders. May fit hearing aids and provide auditory training. May perform research related to hearing problems.
- 29-1122 Occupational Therapists**
Assess, plan, organize, and participate in rehabilitative programs that help restore vocational, homemaking, and daily living skills, as well as general independence, to disabled persons.
- 29-1123 Physical Therapists**
Assess, plan, organize, and participate in rehabilitative programs that improve mobility, relieve pain, increase strength, and decrease or prevent deformity of patients suffering from disease or injury.
- 29-1124 Radiation Therapists**
Provide radiation therapy to patients as prescribed by a radiologist according to established practices and standards. Duties may include reviewing prescription and diagnosis; acting as liaison with physician and supportive care personnel; preparing equipment, such as immobilization, treatment, and protection devices; and maintaining records, reports, and files. May assist in dosimetry procedures and tumor localization.
- 29-1125 Recreational Therapists**
Plan, direct, or coordinate medically-approved recreation programs for patients in hospitals, nursing homes, or other institutions. Activities include sports, trips, dramatics, social activities, and arts and crafts. May assess a patient condition and recommend appropriate recreational activity.
- 29-1126 Respiratory Therapists**
Assess, treat, and care for patients with breathing disorders. Assume primary responsibility for all respiratory care modalities, including the supervision of respiratory therapy technicians. Initiate and conduct therapeutic procedures; maintain patient records; and select, assemble, check, and operate equipment.
- 29-1127 Speech-Language Pathologists**
Assess and treat persons with speech, language, voice, and fluency disorders. May select alternative communication systems and teach their use. May perform research related to speech and language problems.

Occupational Definitions

- 29-1131 Veterinarians**
Diagnose and treat diseases and dysfunctions of animals. May engage in a particular function, such as research and development, consultation, administration, technical writing, sale or production of commercial products, or rendering of technical services to commercial firms or other organizations. Include veterinarians who inspect livestock.
- 29-2011 Medical and Clinical Laboratory Technologists**
Perform complex medical laboratory tests for diagnosis, treatment, and prevention of disease. May train or supervise staff.
- 29-2012 Medical and Clinical Laboratory Technicians**
Perform routine medical laboratory tests for the diagnosis, treatment, and prevention of disease. May work under the supervision of a medical technologist.
- 29-2021 Dental Hygienists**
Clean teeth and examine oral areas, head, and neck for signs of oral disease. May educate patients on oral hygiene, take and develop X-rays, or ply fluoride or sealants.
- 29-2031 Cardiovascular Technologists and Technicians**
Conduct tests on pulmonary or cardiovascular systems of patients for diagnostic purposes. May conduct or assist in electrocardiograms, cardiac catheterizations, pulmonary-functions, lung capacity, and similar tests. Include vascular technologists.
- 29-2032 Diagnostic Medical Sonographers**
Produce ultrasonic recordings of internal organs for use by physicians.
- 29-2033 Nuclear Medicine Technologists**
Prepare, administer, and measure radioactive isotopes in therapeutic, diagnostic, and tracer studies utilizing a variety of radioisotope equipment. Prepare stock solutions of radioactive materials and calculate doses to be administered by radiologists. Subject patients to radiation. Execute blood volume, red cell survival, and fat absorption studies following standard laboratory techniques.
- 29-2034 Radiologic Technologists and Technicians**
Take X-rays and CAT scans or administer nonradioactive materials into patient's blood stream for diagnostic purposes. Include technologists who specialize in other modalities, such as computed tomography and magnetic resonance. Include workers whose primary duties are to demonstrate portions of the human body on X-ray film or fluoroscopic screen.
- 29-2041 Emergency Medical Technicians and Paramedics**
Assess injuries, administer emergency medical care, and extricate trapped individuals. Transport injured or sick persons to medical facilities.
- 29-2051 Dietetic Technicians**
Assist dietitians in the provision of food service and nutritional programs. Under the supervision of dietitians, may plan and produce meals based on established guidelines, teach principles of food and nutrition, or counsel individuals.
- 29-2052 Pharmacy Technicians**
Prepare medications under the direction of a pharmacist. May measure, mix, count out, label, and record amounts and dosages of medications.

Occupational Definitions

- 29-2053 Psychiatric Technicians**
Care for mentally impaired or emotionally disturbed individuals, following physician instructions and hospital procedures. Monitor patients' physical and emotional well-being and report to medical staff. May participate in rehabilitation and treatment programs, help with personal hygiene, and administer oral medications and hypodermic injections.
- 29-2054 Respiratory Therapy Technicians**
Provide specific, well defined respiratory care procedures under the direction of respiratory therapists and physicians.
- 29-2055 Surgical Technologists**
Assist in operations, under the supervision of surgeons, registered nurses, or other surgical personnel. May help set up operating room, prepare and transport patients for surgery, adjust lights and equipment, pass instruments and other supplies to surgeons and surgeon's assistants, hold retractors, cut sutures, and help count sponges, needles, supplies, and instruments.
- 29-2056 Veterinary Technologists and Technicians**
Perform medical tests in a laboratory environment for use in the treatment and diagnosis of diseases in animals. Prepare vaccines and serums for prevention of diseases. Prepare tissue samples, take blood samples, and execute laboratory tests, such as urinalysis and blood counts. Clean and sterilize instruments and materials and maintain equipment and machines.
- 29-2061 Licensed Practical and Licensed Vocational Nurses**
Care for ill, injured, convalescent, or disabled persons in hospitals, nursing homes, clinics, private homes, group homes, and similar institutions. May work under the supervision of a registered nurse. Licensing required.
- 29-2071 Medical Records and Health Information Technicians**
Compile, process, and maintain medical records of hospital and clinic patients in a manner consistent with medical, administrative, ethical, legal, and regulatory requirements of the health care system. Process, maintain, compile, and report patient information for health requirements and standards.
- 29-2081 Opticians, Dispensing**
Design, measure, fit, and adapt lenses and frames for client according to written optical prescription or specification. Assist client with selecting frames. Measure customer for size of eyeglasses and coordinate frames with facial and eye measurements and optical prescription. Prepare work order for optical laboratory containing instructions for grinding and mounting lenses in frames. Verify exactness of finished lens spectacles. Adjust frame and lens position to fit client. May shape or reshape frames. Include contact lens opticians.
- 29-2091 Orthotists and Prosthetists**
Assist patients with disabling conditions of limbs and spine or with partial or total absence of limb by fitting and preparing orthopedic braces or prostheses

Occupational Definitions

29-9010

Occupational Health and Safety Specialists and Technicians

This broad occupation includes the following two detailed occupations:

29-9011 Occupational Health and Safety Specialists

Review, evaluate, and analyze work environments and design programs and procedures to control, eliminate, and prevent disease or injury caused by chemical, physical, and biological agents or ergonomic factors. May conduct inspections and enforce adherence to laws and regulations governing the health and safety of individuals. May be employed in the public or private sector. Include environmental protection officers.

29-9012 Occupational Health and Safety Technicians

Collect data on work environments for analysis by occupational health and safety specialists. Implement and conduct evaluation of programs designed to limit chemical, physical, biological, and ergonomic risks to workers.

29-9091

Athletic Trainers

Evaluate, advise, and treat athletes to assist recovery from injury, avoid injury, or maintain peak physical fitness.

29-9199

Health Professionals and technician, all others

31-1011

Home Health Aides

Provide routine, personal healthcare, such as bathing, dressing, or grooming, to elderly, convalescent, or disabled persons in the home of patients or in a residential care facility.

31-1012

Nursing Aides, Orderlies, and Attendants

Provide basic patient care under direction of nursing staff. Perform duties, such as feed, bathe, dress, groom, or move patients, or change linens. Exclude "Home Health Aides" (31-1011) and "Psychiatric Aides" (31-1013).

31-1013

Psychiatric Aides

Assist mentally impaired or emotionally disturbed patients, working under direction of nursing and medical staff.

31-2011

Occupational Therapist Assistants

Assist occupational therapists in providing occupational therapy treatments and procedures. May, in accordance with State laws, assist in development of treatment plans, carry out routine functions, direct activity programs, and document the progress of treatments. Generally requires formal training.

31-2022

Physical Therapist Aides

Under close supervision of a physical therapist or physical therapy assistant, perform only delegated, selected, or routine tasks in specific situations. These duties include preparing the patient and the treatment area.

31-9011

Massage Therapists

Massage customers for hygienic or remedial purposes.

31-9091

Dental Assistants

Assist dentist, set up patient and equipment, and keep records.

Occupational Definitions

- 31-9092 Medical Assistants**
Perform administrative and certain clinical duties under the direction of physician. Administrative duties may include scheduling appointments, maintaining medical records, billing, and coding for insurance purposes. Clinical duties may include taking and recording vital signs and medical histories, preparing patients for examination, drawing blood, and administering medications as directed by physician. Exclude "Physician Assistants" (29-1071).
- 31-9093 Medical Equipment Preparers**
Prepare, sterilize, install, or clean laboratory or healthcare equipment. May perform routine laboratory tasks and operate or inspect equipment.
- 31-9094 Medical Transcriptionists**
Use transcribing machines with headset and foot pedal to listen to recordings by physicians and other healthcare professionals dictating a variety of medical reports, such as emergency room visits, diagnostic imaging studies, operations, chart reviews, and final summaries. Transcribe dictated reports and translate medical jargon and abbreviations into their expanded forms. Edit as necessary and return reports in either printed or electronic form to the dictator for review and signature, or correction.
- 31-9095 Pharmacy Aides**
Record drugs delivered to the pharmacy, store incoming merchandise, and inform the supervisor of stock needs. May operate cash register and accept prescriptions for filling.
- 31-9096 Veterinary Assistants and Laboratory Animal Caretakers**
Feed, water, and examine pets and other nonfarm animals for signs of illness, disease, or injury in laboratories and animal hospitals and clinics. Clean and disinfect cages and work areas, and sterilize laboratory and surgical equipment. May provide routine post-operative care, administer medication orally or topically, or prepare samples for laboratory examination under the supervision of veterinary or laboratory animal technologists or technicians, veterinarians, or scientists. Exclude "Nonfarm Animal Caretakers" (39-2021).
- 31-9099 Healthcare Support Workers, all others**
All healthcare support workers not listed separately.
- 33-1011 First-Line Supervisors/Managers of Correctional Officers**
Supervise and coordinate activities of correctional officers and jailers.
- 33-1012 First-Line Supervisors/Managers of Police and Detectives**
Supervise and coordinate activities of members of police force.
- 33-1099 First-Line Supervisors/Managers, Protective Services Workers, all others**
All protective services supervisors not listed separately.
- 33-2000 Fire Fighting and Preventive Workers**
- 33-2011 Fire Fighters**
Control and extinguish fires or respond to emergency situations where life, property, or the environment is at risk. Duties may include fire prevention, emergency medical service, hazardous material response, search and rescue, and disaster management.
- 33-3011 Bailiffs**
Maintain order in courts of law.

Occupational Definitions

- 33-3012** **Correctional Officers and Jailers**
Guard inmates in penal or rehabilitative institution in accordance with established regulations and procedures. May guard prisoners in transit between jail, courtroom, prison, or other point. Include deputy sheriffs and police who spend the majority of their time guarding prisoners in correctional institutions.
- 33-3021** **Detectives and Criminal Investigators**
Conduct investigations related to suspected violations of Federal, State, or local laws to prevent or solve crimes. Exclude "Private Detectives and Investigators" (33-9021).
- 33-3031** **Fish and Game Wardens**
Patrol assigned area to prevent fish and game law violations. Investigate reports of damage to crops or property by wildlife. Compile biological data.
- 33-3041** **Parking Enforcement Workers**
Patrol assigned area, such as public parking lot or section of city to issue tickets to overtime parking violators and illegally parked vehicles.
- 33-3051** **Police and Sheriff's Patrol Officers**
Maintain order, enforce laws and ordinances, and protect life and property in an assigned patrol district. Perform combination of following duties: patrol a specific area on foot or in a vehicle; direct traffic; issue traffic summonses; investigate accidents; apprehend and arrest suspects, or serve legal processes of courts.
- 33-9011** **Animal Control Workers**
Handle animals for the purpose of investigations of mistreatment, or control of abandoned, dangerous, or unattended animals.
- 33-9021** **Private Detectives and Investigators**
Detect occurrences of unlawful acts or infractions of rules in private establishment, or seek, examine, and compile information for client.
- 33-9031** **Gaming Surveillance Officers and Gaming Investigators**
Act as oversight and security agent for management and customers. Observe casino or casino hotel operation for irregular activities such as cheating or theft by either employees or patrons. May utilize one-way mirrors above the casino floor, cashier's cage, and from desk. Use of audio/video equipment is also common to observe operation of the business. Usually required to provide verbal and written reports of all violations and suspicious behavior to supervisor.
- 33-9032** **Security Guards**
Guard, patrol, or monitor premises to prevent theft, violence, or infractions of rules.
- 33-9091** **Crossing Guards**
Guide or control vehicular or pedestrian traffic at such places as streets, schools, railroad crossings, or construction sites.
- 33-9099** **Protective Service Workers, all others**
All protective service workers not listed separately.
- 35-0000** **Food Preparation and Serving Related Occupations**

Occupational Definitions

- 35-1011 Chefs and Head Cook**
Direct the preparation, seasoning, and cooking of salads, soups, fish, meats, vegetables, desserts, or other foods. May plan and price menu items, order supplies, and keep records and accounts. May participate in cooking.
- 35-1012 First-Line Supervisors/Managers of Food Preparation and Serving Workers**
Supervise workers engaged in preparing and serving food.
- 35-2011 Cooks, Fast Food**
Prepare and cook food in a fast food restaurant with a limited menu. Duties of the cooks are limited to preparation of a few basic items and normally involve operating large-volume single-purpose cooking equipment.
- 35-2012 Cooks, Institution and Cafeteria**
Prepare and cook large quantities of food for institutions, such as schools, hospitals, or cafeterias.
- 35-2014 Cooks, Restaurant**
Prepare, season, and cook soups, meats, vegetables, desserts, or other foodstuffs in restaurants. May order supplies, keep records and accounts, price items on menu, or plan menu.
- 35-2015 Cooks, Short Order**
Prepare and cook to order a variety of foods that require only a short preparation time. May take orders from customers and serve patrons at counters or tables. Exclude "Fast Food Cooks" (35-2011).
- 35-2021 Food Preparation Workers**
Perform a variety of food preparation duties other than cooking, such as preparing cold foods and shellfish, slicing meat, and brewing coffee or tea.
- 35-3011 Bartenders**
Mix and serve drinks to patrons, directly or through wait-staff.
- 35-3021 Combined Food Preparation and Serving Workers, Including Fast Food**
Perform duties, which combine both food preparation and food service.
- 35-3022 Counter Attendants, Cafeteria, Food Concession, and Coffee Shop**
Serve food to diners at counter or from a steam table. Include counter attendants who also wait tables with "Waiters and Waitresses" (35-3031).
- 35-3031 Waiters and Waitresses**
Take orders and serve food and beverages to patrons at tables in dining establishment. Exclude "Counter Attendants, Cafeteria, Food concession, and Coffee Shop" (35-3022).
- 35-3041 Food Servers, Non-restaurant**
Serve food to patrons outside of a restaurant environment, such as in hotels, hospital rooms, or cars. Exclude "Door-to-Door Sales Workers, News and Street Vendors, and Related Workers" (41-9091) and "Counter Attendants, Cafeteria, Food Concession, and Coffee Shop" (35-3022).
- 35-9011 Dining Room and Cafeteria Attendants and Bartender Helpers**
Facilitate food service. Clean tables, carry dirty dishes, replace soiled table linens; set tables; replenish supply of clean linens, silverware, glassware, and dishes; supply service bar with food, and serve water, butter, and coffee to patrons.

Occupational Definitions

- 35-9021 Dishwashers**
Clean dishes, kitchen, food preparation equipment, or utensils.
- 35-9031 Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop**
Welcome patrons, seat them at tables or in lounge, and help ensure quality of facilities and service.
- 35-9099 Food Preparation and Serving Related Workers, All Other**
All food preparation and serving related workers not listed separately.
- 37-0000 Building and Grounds Cleaning and Maintenance Occupations**
- 37-1011 First-Line Supervisors/Managers of Housekeeping and Janitorial Workers**
Supervise work activities of cleaning personnel in hotels, hospitals, offices, and other establishments.
- 37-1012 First-Line Supervisors/Managers of Landscaping, Lawn Service, and Grounds-keeping Workers**
Plan, organize, direct, or coordinate activities of workers engaged in landscaping or grounds-keeping activities, such as planting and maintaining ornamental trees, shrubs, flowers, and lawns, and applying fertilizers, pesticides, and other chemicals, according to contract specifications. May also coordinate activities of workers engaged in terracing hillsides, building retaining walls, constructing pathways, installing patios, and similar activities in following a landscape design plan. Work may involve reviewing contracts to ascertain service, machine, and work force requirements; answering inquiries from potential customers regarding methods, material, and price ranges; and preparing estimates according to labor, material, and machine costs.
- 37-2011 Janitors and Cleaners, Except Maids and Housekeeping Cleaners**
Keep buildings in clean and orderly condition. Perform heavy cleaning duties, such as cleaning floors, shampooing rugs, washing walls and glass, and removing rubbish. Duties may include tending furnace and boiler, performing routine maintenance activities, notifying management of need for repairs, and cleaning snow or debris from sidewalk.
- 37-2012 Maids and Housekeeping Cleaners**
Perform any combination of light cleaning duties to maintain private households or commercial establishments, such as hotels, restaurants, and hospitals, in a clean and orderly manner. Duties include making beds, replenishing linens, cleaning rooms and halls, and vacuuming.
- 37-2021 Pest Control Workers**
Spray or release chemical solutions or toxic gases and set traps to kill pests and vermin, such as mice, termites, and roaches, that infest buildings and surrounding areas.
- 37-3011 Landscaping and Grounds-keeping Workers**
Landscape or maintain grounds of property using hand or power tools or equipment. Workers typically perform a variety of tasks, which may include any combination of the following: sod laying, mowing, trimming, planting, watering, fertilizing, digging, raking, sprinkler installation, and installation of mortar-less segmental concrete masonry wall units. Exclude "Farm workers and Laborers, Crop, Nursery, and Greenhouse" (45-2092).
- 37-3012 Pesticide Handlers, Sprayers, and Applicators, Vegetation**
Mix or apply pesticides, herbicides, fungicides, or insecticides through sprays, dusts, vapors, soil incorporation or chemical application on trees, shrubs, lawns, or botanical crops. Usually requires specific training and State or Federal certification. Exclude "Commercial Pilots" (53-2012) who operate aviation equipment to dust or spray crops.

Occupational Definitions

- 37-3013** **Tree Trimmers and Pruners**
Cut away dead or excess branches from trees or shrubs to maintain right-of-way for roads, sidewalks, or utilities, or to improve appearance, health, and value of tree. Prune or treat trees or shrubs using handsaws, pruning hooks, sheers, and clippers. May use truck-mounted lifts and power pruners. May fill cavities in trees to promote healing and prevent deterioration. Exclude workers who primarily perform duties of "Pesticide Handlers, Sprayers, and Applicators, Vegetation" (37-3012) and "Landscaping and Grounds-keeping Workers" (37-3011).
- 37-9000** **All Other Building and Grounds Cleaning and Maintenance Workers (OES Only)**
- 39-0000** **Personal Care and Service Occupations**
- 39-1011** **Gaming Supervisors**
Supervise gaming operations and personnel in an assigned area. Circulate among tables and observe operations. Ensure that stations and games are covered for each shift. May explain and interpret operating rules of house to patrons. May plan and organize activities and create friendly atmosphere for guests in hotels/casinos. May adjust service complaints. Exclude "Slot Key Persons" (39-1012).
- 39-1012** **Slot Key Persons**
Coordinate/supervise functions of slot department workers to provide service to patrons. Handle and settle complaints of players. Verify and payoff jackpots. Reset slot machines after payoffs. Make minor repairs or adjustments to slot machines. Recommend removal of slot machines for repair. Report hazards and enforces safety rules.
- 39-1021** **First-Line Supervisors/Managers of Personal Service Workers**
Supervise and coordinate activities of personal service workers, such as supervisors of flight attendants, hairdressers, or caddies.
- 39-2011** **Animal Trainers**
Train animals for riding, harness, security, performance, or obedience, or assisting persons with disabilities. Accustom animals to human voice and contact; and condition animals to respond to commands. Train animals according to prescribed standards for show or competition. May train animals to carry pack loads or work as part of pack team.
- 39-2021** **Non-farm Animal Caretakers**
Feed, water, groom, bathe, exercise, or otherwise care for pets and other non-farm animals, such as dogs, cats, ornamental fish or birds, zoo animals, and mice. Work in settings such as kennels, animal shelters, zoos, circuses, and aquariums. May keep records of feedings, treatments, and animals received or discharged. May clean, disinfect, and repair cages, pens, or fish tanks. Exclude "Veterinary Assistants and Laboratory Animal Caretakers" (31-9096).
- 39-3000** **Entertainment Attendants and Related Workers**

Occupational Definitions

- 39-3011 Gaming Dealers**
Operate table games. Stand or sit behind table and operate games of chance by dispensing the appropriate number of cards or blocks to players, or operating other gaming equipment. Compare the house's hand against players' hands and payoff or collect players' money or chips.
- 39-3012 Gaming and Sports Book Writers and Runners**
Assist in the operation of games such as keno and bingo. Scan winning tickets presented by patrons, calculate amount of winnings and pay patrons. May operate keno and bingo equipment. May start gaming equipment that randomly selects numbers. May announce number selected until total numbers specified for each game are selected. May pick up tickets from players, collect bets, receive, verify and record patrons' cash wagers.
- 39-3021 Motion Picture Projectionists**
Set up and operate motion picture projection and related sound reproduction equipment.
- 39-3031 Ushers, Lobby Attendants, and Ticket Takers**
Assist patrons at entertainment events by performing duties, such as collecting admission tickets and passes from patrons, assisting in finding seats, searching for lost articles, and locating such facilities as rest rooms and telephones.
- 39-3091 Amusement and Recreation Attendants**
Perform variety of attending duties at amusement or recreation facility. May schedule use of recreation facilities, maintain and provide equipment to participants of sporting events or recreational pursuits, or operate amusement concessions and rides.
- 39-3092 Locker Room, Coatroom, and Dressing Room Attendants**
Provide personal items to patrons or customers in locker rooms, dressing rooms, or coatrooms.
- 39-3199 All Other Gaming Workers**
- 39-4011 Embalmers**
Prepare bodies for interment in conformity with legal requirements.
- 39-4021 Funeral Attendants**
Perform variety of tasks during funeral, such as placing casket in parlor or chapel prior to service; arranging floral offerings or lights around casket; directing or escorting mourners; closing casket; and issuing and storing funeral equipment.
- 39-5011 Barbers**
Provide barbering services, such as cutting, trimming, shampooing, and styling hair, trimming beards, or giving shaves.
- 39-5012 Hairdressers, Hairstylists, and Cosmetologists**
Provide beauty services, such as shampooing, cutting, coloring, and styling hair, and massaging and treating scalp. May also apply makeup, dress wigs, perform hair removal, and provide nail and skin care services.
- 39-5092 Manicurists and Pedicurists**
Clean and shape customers' fingernails and toenails. May polish or decorate nails.
- 39-5093 Shampooers**
Shampoo and rinse customer's hair.

Occupational Definitions

- 39-5094 Skin Care Specialists**
Provide skin care treatments to face and body to enhance an individual's appearance.
- 39-6000 Transportation, Tourism, and Lodging Attendants**
- 39-6011 Baggage Porters and Bellhops**
Handle baggage for travelers at transportation terminals or for guests at hotels or similar establishments.
- 39-6012 Concierges**
Assist patrons at hotel, apartment or office building with personal services. May take messages, arrange or give advice on transportation, business services or entertainment, or monitor guest requests for housekeeping and maintenance.
- 39-6021 Tour Guides and Escorts**
Escort individuals or groups on sightseeing tours or through places of interest, such as industrial establishments, public buildings, and art galleries.
- 39-6022 Travel Guides**
Plan, organize, and conduct long distance cruises, tours, and expeditions for individuals and groups.
- 39-6031 Flight Attendants**
Provide personal services to ensure the safety and comfort of airline passengers during flight. Greet passengers, verify tickets, explain use of safety equipment, and serve food or beverages.
- 39-6032 Transportation Attendants, Except Flight Attendants and Baggage Porters**
Provide services to ensure the safety and comfort of passengers aboard ships, buses, trains, or within the station or terminal. Perform duties, such as greeting passengers, explaining the use of safety equipment, serving meals or beverages, or answering questions related to travel.
- 39-9000 Other Personal Care and Service Workers**
- 39-9011 Child Care Workers**
Attend to children at schools, businesses, private households, and childcare institutions. Perform a variety of tasks, such as dressing, feeding, bathing, and overseeing play. Exclude "Preschool Teachers" (25-2011) and "Teacher Assistants" (25-9041).
- 39-9021 Personal and Home Care Aides**
Assist elderly or disabled adults with daily living activities at the person's home or in a daytime non-residential facility. Duties performed at a place of residence may include keeping house (making beds, doing laundry, washing dishes) and preparing meals. May provide meals and supervised activities at non-residential care facilities. May advise families, the elderly, and disabled on such things as nutrition, cleanliness, and household utilities.
- 39-9031 Fitness Trainers and Aerobics Instructors**
Instruct or coach groups or individuals in exercise activities and the fundamentals of sports. Demonstrate techniques and methods of participation. Observe participants and inform them of corrective measures necessary to improve their skills. Those required to hold teaching degrees should be reported in the appropriate teaching category. Exclude "Athletic Trainers" (29-9091).

Occupational Definitions

- 39-9032 Recreation Workers**
Conduct recreation activities with groups in public, private, or volunteer agencies or recreation facilities. Organize and promote activities, such as arts and crafts, sports, games, music, dramatics, social recreation, camping, and hobbies, taking into account the needs and interests of individual members.
- 39-9041 Residential Advisors**
Coordinate activities for residents of boarding schools, college fraternities or sororities, college dormitories, or similar establishments. Order supplies and determine need for maintenance, repairs, and furnishings. May maintain household records and assign rooms. May refer residents to counseling resources if needed.
- 41-0000 Sales and Related Occupations**
- 41-1011 First-Line Supervisors/Managers of Retail Sales Workers**
Directly supervise sales workers in a retail establishment or department. Duties may include management functions, such as purchasing, budgeting, accounting, and personnel work, in addition to supervisory duties.
- 41-1012 First-Line Supervisors/Managers of Non-Retail Sales Workers**
Directly supervise and coordinate activities of sales workers other than retail sales workers. May perform duties, such as budgeting, accounting, and personnel work, in addition to supervisory duties.
- 41-2011 Cashiers**
Receive and disburse money in establishments other than financial institutions. Usually involves use of electronic scanners, cash registers, or related equipment. Often involved in processing credit or debit card transactions and validating checks.
- 41-2012 Gaming Change Persons and Booth Cashiers**
Exchange coins and tokens for patrons' money. May issue payoffs and obtain customer's signature on receipt when winnings exceed the amount held in the slot machine. May operate a booth in the slot machine area and furnish change persons with money bank at the start of the shift, or count and audit money in drawers.
- 41-2021 Counter and Rental Clerks**
Receive orders for repairs, rentals, and services. May describe available options, compute cost, and accept payment.
- 41-2022 Parts Salespersons**
Sell spare and replacement parts and equipment in repair shop or parts store.
- 41-2031 Retail Salespersons**
Sell merchandise, such as furniture, motor vehicles, appliances, or apparel in a retail establishment. Exclude "Cashiers" (41-2011).
- 41-3011 Advertising Sales Agents**
Sell or solicit advertising, including graphic art, advertising space in publications, custom made signs, or TV and radio advertising time. May obtain leases for outdoor advertising sites or persuade retailer to use sales promotion display items.

Occupational Definitions

- 41-3021 Insurance Sales Agents**
Sell life, property, casualty, health, automotive, or other types of insurance. May refer clients to independent brokers, work as independent broker, or be employed by an insurance company.
- 41-3031 Securities, Commodities, and Financial Services Sales Agents**
Buy and sell securities in investment and trading firms, or call upon businesses and individuals to sell financial services. Provide financial services, such as loan, tax, and securities counseling. May advise securities customers about such things as stocks, bonds, and market conditions.
- 41-3041 Travel Agents**
Plan and sell transportation and accommodations for travel agency customers. Determine destination, modes of transportation, travel dates, costs, and accommodations required.
- 41-4011 Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products**
Sell goods for wholesalers or manufacturers where technical or scientific knowledge is required in such areas as biology, engineering, chemistry, and electronics, normally obtained from at least 2 years of post-secondary education.
- 41-4012 Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products**
Sell goods for wholesalers or manufacturers to businesses or groups of individuals. Work requires substantial knowledge of items sold.
- 41-9011 Demonstrators and Product Promoters**
Demonstrate merchandise and answer questions for the purpose of creating public interest in buying the product. May sell demonstrated merchandise.
- 41-9012 Models**
Model garments and other apparel to display clothing before prospective buyers at fashion shows, private showings, retail establishments, or photographer. May pose for photos to be used for advertising purposes. May pose as subject for paintings, sculptures, and other types of artistic expression.
- 41-9021 Real Estate Brokers**
Operate real estate office, or work for commercial real estate firm, overseeing real estate transactions. Other duties usually include selling real estate or renting properties and arranging loans.
- 41-9022 Real Estate Sales Agents**
Rent, buy, or sell property for clients. Perform duties, such as study property listings, interview prospective clients, accompany clients to property site, discuss conditions of sale, and draw up real estate contracts. Include agents who represent buyer.
- 41-9031 Sales Engineers**
Sell business goods or services, the selling of which requires a technical background equivalent to a baccalaureate degree in engineering. Exclude "Engineers" (17-2011 through 17-2199) whose primary function is not marketing or sales.
- 41-9041 Telemarketers**
Solicit orders for goods or services over the telephone.
- 41-9091 Door-To-Door Sales Workers, News and Street Vendors, and Related Workers**
Sell goods or services door-to-door or on the street.

Occupational Definitions

- 41-9099 Sales and Related Workers, All Other**
All sales and related workers not listed separately.
- 43-0000 Office and Administrative Support Occupations**
- 43-1011 First-Line Supervisors/Managers of Office and Administrative Support Workers**
Supervise and coordinate the activities of clerical and administrative support workers.
- 43-2011 Switchboard Operators, Including Answering Service**
Operate telephone business systems equipment or switchboards to relay incoming, outgoing, and interoffice calls. May supply information to callers and record messages.
- 43-2021 Telephone Operators**
Provide information by accessing alphabetical and geographical directories. Assist customers with special billing requests, such as charges to a third party and credits or refunds for incorrectly dialed numbers or bad connections. May handle emergency calls and assist children or people with physical disabilities to make telephone calls.
- 43-2099 Communications Equipment Operators, All Other**
All communications equipment operators not listed separately.
- 43-3011 Bill and Account Collectors**
Locate and notify customers of delinquent accounts by mail, telephone, or personal visit to solicit payment. Duties include receiving payment and posting amount to customer's account; preparing statements to credit department if customer fails to respond; initiating repossession proceedings or service disconnection; keeping records of collection and status of accounts.
- 43-3021 Billing and Posting Clerks and Machine Operators**
Compile, compute, and record billing, accounting, statistical, and other numerical data for billing purposes. Prepare billing invoices for services rendered or for delivery or shipment of goods.
- 43-3031 Bookkeeping, Accounting, and Auditing Clerks**
Compute, classify, and record numerical data to keep financial records complete. Perform any combination of routine calculating, posting, and verifying duties to obtain primary financial data for use in maintaining accounting records. May also check the accuracy of figures, calculations, and postings pertaining to business transactions recorded by other workers.
- 43-3041 Gaming Cage Workers**
In a gaming establishment, conduct financial transactions for patrons. May reconcile daily summaries of transactions to balance books. Accept patron's credit application and verify credit references to provide check-cashing authorization or to establish house credit accounts. May sell gambling chips, tokens, or tickets to patrons, or to other workers for resale to patrons. May convert gaming chips, tokens, or tickets to currency upon patron's request. May use a cash register or computer to record transaction.
- 43-3051 Payroll and Timekeeping Clerks**
Compile and post employee time and payroll data. May compute employees' time worked, production, and commission. May compute and post wages and deductions. May prepare paychecks.
- 43-3061 Procurement Clerks**
Compile information and records to draw up purchase orders for procurement of materials and services.

Occupational Definitions

- 43-3071 Tellers**
Receive and pay out money. Keep records of money and negotiable instruments involved in a financial institution's various transactions.
- 43-4011 Brokerage Clerks**
Perform clerical duties involving the purchase or sale of securities. Duties include writing orders for stock purchases and sales, computing transfer taxes, verifying stock transactions, accepting and delivering securities, tracking stock price fluctuations, computing equity, distributing dividends, and keeping records of daily transactions and holdings.
- 43-4021 Correspondence Clerks**
Compose letters in reply to requests for merchandise, damage claims, credit and other information, delinquent accounts, incorrect billings, or unsatisfactory services. Duties may include gathering data to formulate reply and typing correspondence.
- 43-4031 Court, Municipal, and License Clerks**
Perform clerical duties in courts of law, municipalities, and governmental licensing agencies and bureaus. May prepare docket of cases to be called; secure information for judges and court; prepare draft agendas or bylaws for town or city council; answer official correspondence; keep fiscal records and accounts; issue licenses or permits; record data, administer tests, or collect fees. Include chief clerks with "Managers, All Other" (11-9199).
- 43-4041 Credit Authorizers, Checkers, and Clerks**
Authorize credit charges against customers' accounts. Investigate history and credit standing of individuals or business establishments applying for credit. May interview applicants to obtain personal and financial data; determine credit worthiness; process applications; and notify customers of acceptance or rejection of credit.
- 43-4051 Customer Service Representatives**
Interact with customers to provide information in response to inquiries about products and services and to handle and resolve complaints. Exclude individuals whose duties are primarily sales or repair.
- 43-4061 Eligibility Interviewers, Government Programs**
Determine eligibility of persons applying to receive assistance from government programs and agency resources, such as welfare, unemployment benefits, social security, and public housing.
- 43-4071 File Clerks**
File correspondence, cards, invoices, receipts, and other records in alphabetical or numerical order or according to the filing system used. Locate and remove material from file when requested.
- 43-4081 Hotel, Motel, and Resort Desk Clerks**
Accommodate hotel, motel, and resort patrons by registering and assigning rooms to guests, issuing room keys, transmitting and receiving messages, keeping records of occupied rooms and guests' accounts, making and confirming reservations, and presenting statements to and collecting payments from departing guests.
- 43-4111 Interviewers, Except Eligibility and Loan**
Interview persons by telephone, mail, in person, or by other means for the purpose of completing forms, applications, or questionnaires. Ask specific questions, record answers, and assist persons with completing form. May sort, classify, and file forms.

Occupational Definitions

- 43-4121 Library Assistants, Clerical**
Compile records, sort and shelve books, and issue and receive library materials such as pictures, cards, slides and microfilm. Locate library materials for loan and replace material in shelving area, stacks, or files according to identification number and title. Register patrons to permit them to borrow books, periodicals, and other library materials.
- 43-4131 Loan Interviewers and Clerks**
Interview loan applicants to elicit information; investigate applicants' backgrounds and verify references; prepare loan request papers; and forward findings, reports, and documents to appraisal department. Review loan papers to ensure completeness, and complete transactions between loan establishment, borrowers, and sellers upon approval of loan.
- 43-4141 New Accounts Clerks**
Interview persons desiring to open bank accounts. Explain banking services available to prospective customers and assist them in preparing application form.
- 43-4151 Order Clerks**
Receive and process incoming orders for materials, merchandise, classified ads, or services such as repairs, installations, or rental of facilities. Duties include informing customers of receipt, prices, shipping dates, and delays; preparing contracts; and handling complaints. Exclude "Dispatchers, Except Police, Fire, and Ambulance" (43-5032) who both dispatch and take orders for services.
- 43-4161 Human Resources Assistants, Except Payroll and Timekeeping**
Compile and keep personnel records. Record data for each employee, such as address, weekly earnings, absences, amount of sales or production, supervisory reports on ability, and date of and reason for termination. Compile and type reports from employment records. File employment records. Search employee files and furnish information to authorized persons.
- 43-4171 Receptionists and Information Clerks**
Answer inquiries and obtain information for general public, customers, visitors, and other interested parties. Provide information regarding activities conducted at establishment; location of departments, offices, and employees within organization. Exclude "Switchboard Operators, Including Answering Service" (43-2011).
- 43-4181 Reservation and Transportation Ticket Agents and Travel Clerks**
Make and confirm reservations and sell tickets to passengers and for large hotel or motel chains. May check baggage and direct passengers to designated concourse, pier, or track; make reservations, deliver tickets, arrange for visas, contact individuals and groups to inform them of package tours, or provide tourists with travel information, such as points of interest, restaurants, rates, and emergency service. Exclude "Travel Agents" (41-3041), "Hotel, Motel, and Resort Desk Clerks" (43-4081), and "Cashiers" (41-2011) who sell tickets for local transportation.
- 43-4999 All Other Financial, Information, and Record Clerks**
- 43-5011 Cargo and Freight Agents**
Expedite and route movement of incoming and outgoing cargo and freight shipments in airline, train, and trucking terminals, and shipping docks. Take orders from customers and arrange pickup of freight and cargo for delivery to loading platform. Prepare and examine bills of lading to determine shipping charges and tariffs.

Occupational Definitions

- 43-5021 Couriers and Messengers**
Pick up and carry messages, documents, packages, and other items between offices or departments within an establishment or to other business concerns, traveling by foot, bicycle, motorcycle, automobile, or public conveyance. Exclude "Truck Drivers, Light or Delivery Services" (53-3033).
- 43-5031 Police, Fire, and Ambulance Dispatchers**
Receive complaints from public concerning crimes and police emergencies. Broadcast orders to police patrol units in vicinity of complaint to investigate. Operate radio, telephone, or computer equipment to receive reports of fires and medical emergencies and relay information or orders to proper officials.
- 43-5032 Dispatchers, Except Police, Fire, and Ambulance**
Schedule and dispatch workers, work crews, equipment, or service vehicles for conveyance of materials, freight, or passengers, or for normal installation, service, or emergency repairs rendered outside the place of business. Duties may include using radio, telephone, or computer to transmit assignments and compiling statistics and reports on work progress.
- 43-5041 Meter Readers, Utilities**
Read meter and record consumption of electricity, gas, water, or steam.
- 43-5051 Postal Service Clerks**
Perform any combination of tasks in a post office, such as receive letters and parcels; sell postage and revenue stamps, postal cards, and stamped envelopes; fill out and sell money orders; place mail in pigeon holes of mail rack or in bags according to State, address, or other scheme; and examine mail for correct postage.
- 43-5052 Postal Service Mail Carriers**
Sort mail for delivery. Deliver mail on established route by vehicle or on foot.
- 43-5053 Postal Service Mail Sorters, Processors, and Processing Machine Operators**
Prepare incoming and outgoing mail for distribution. Examine, sort, and route mail by State, type of mail, or other scheme. Load, operate, and occasionally adjust and repair mail processing, sorting, and canceling machinery. Keep records of shipments, pouches, and sacks; and other duties related to mail handling within the postal service. Must complete a competitive exam. Exclude "Postal Service Clerks" (43-5051) and "Postal Service Mail Carriers" (43-5052).
- 43-5061 Production, Planning, and Expediting Clerks**
Coordinate and expedite the flow of work and materials within or between departments of an establishment according to production schedule. Duties include reviewing and distributing production, work, and shipment schedules; conferring with department supervisors to determine progress of work and completion dates; and compiling reports on progress of work, inventory levels, costs, and production problems. Exclude "Weighers, Measurers, Checkers, and Samplers, Record-keeping" (43-5111).
- 43-5071 Shipping, Receiving, and Traffic Clerks**
Verify and keep records on incoming and outgoing shipments. Prepare items for shipment. Duties include assembling, addressing, stamping, and shipping merchandise or material; receiving, unpacking, verifying and recording incoming merchandise or material; and arranging for the transportation of products. Exclude "Stock Clerks and Order Fillers" (43-5081) and "Weighers, Measurers, Checkers, and Samplers, Record-keeping" (43-5111).

Occupational Definitions

- 43-5081 Stock Clerks and Order Fillers**
Receive, store, and issue sales floor merchandise, materials, equipment, and other items from stockroom, warehouse, or storage yard to fill shelves, racks, tables, or customers' orders. May mark prices on merchandise and set up sales displays. Exclude "Laborers and Freight, Stock, and Material Movers, Hand" (53-7062), and "Shipping, Receiving, and Traffic Clerks" (43-5071).
- 43-5111 Weighers, Measurers, Checkers, and Samplers, Record-keeping**
Weigh, measure, and check materials, supplies, and equipment for the purpose of keeping relevant records. Duties are primarily clerical by nature. Include workers who collect and keep record of samples of products or materials. Exclude production "Inspectors, Testers, Sorters, Samplers, and Weighers" (51-9061).
- 43-5199 All other material Recording, Scheduling, Dispatching, and Distributing Workers**
- 43-6011 Executive Secretaries and Administrative Assistants**
Provide high-level administrative support by conducting research, preparing statistical reports, handling information requests, and performing clerical functions such as preparing correspondence, receiving visitors, arranging conference calls, and scheduling meetings. May also train and supervise lower-level clerical staff. Exclude "Secretaries" (43-6012 through 43-6014).
- 43-6012 Legal Secretaries**
Perform secretarial duties utilizing legal terminology, procedures, and documents. Prepare legal papers and correspondence, such as summonses, complaints, motions, and subpoenas. May also assist with legal research.
- 43-6013 Medical Secretaries**
Perform secretarial duties utilizing specific knowledge of medical terminology and hospital, clinic, or laboratory procedures. Duties include scheduling appointments, billing patients, and compiling and recording medical charts, reports, and correspondence.
- 43-6014 Secretaries, Except Legal, Medical, and Executive**
Perform routine clerical and administrative functions such as drafting correspondence, scheduling appointments, organizing and maintaining paper and electronic files, or providing information to callers. Exclude legal, medical, or executive secretaries and administrative assistants (43-6011 through 43-6013).
- 43-9011 Computer Operators**
Monitor and control electronic computer and peripheral electronic data processing equipment to process business, scientific, engineering, and other data according to operating instructions. May enter commands at a computer terminal and set controls on computer and peripheral devices. Monitor and respond to operating and error messages. Exclude "Data Entry Keyers" (43-9021).
- 43-9021 Data Entry Keyers**
Operate data entry device, such as keyboard or photo composing perforator. Duties may include verifying data and preparing materials for printing. Exclude "Word Processors and Typists" (43-9022).
- 43-9022 Word Processors and Typists**
Use word processor/computer or typewriter to type letters, reports, forms, or other material from rough draft, corrected copy, or voice recording. May perform other clerical duties as assigned. Include composing data Keyers. Exclude "Data Entry Keyers" (43-9021), "Secretaries and Administrative Assistants" (43-6011 through 43-6014), "Court Reporters" (23-2091), and "Medical Transcriptionists" (31-9094).

Occupational Definitions

- 43-9031 Desktop Publishers**
Format typescript and graphic elements using computer software to produce publication-ready material.
- 43-9041 Insurance Claims and Policy Processing Clerks**
Process new insurance policies, modifications to existing policies, and claims forms. Obtain information from policyholders to verify the accuracy and completeness of information on claims forms, applications and related documents, and company records. Update existing policies and company records to reflect changes requested by policyholders and insurance company representatives. Exclude "Claims Adjusters, Examiners, and Investigators" (13-1031).
- 43-9051 Mail Clerks and Mail Machine Operators, Except Postal Service**
Prepare incoming and outgoing mail for distribution. Use hand or mail handling machines to time stamp, open, read, sort, and route incoming mail; and address, seal, stamp, fold, stuff, and affix postage to outgoing mail or packages. Duties may also include keeping necessary records and completed forms.
- 43-9061 Office Clerks, General**
Perform duties too varied and diverse to be classified in any specific office clerical occupation, requiring limited knowledge of office management systems and procedures. Clerical duties may be assigned in accordance with the office procedures of individual establishments and may include a combination of answering telephones, bookkeeping, typing or word processing, stenography, office machine operation, and filing.
- 43-9071 Office Machine Operators, Except Computer**
Operate one or more of a variety of office machines, such as photocopying, photographic, and duplicating machines, or other office machines. Exclude "Computer Operators" (43-9011), "Mail Clerks and Mail Machine Operators" (43-9051) and "Billing and Posting Clerks and Machine Operators" (43-3021).
- 43-9081 Proofreaders and Copy Markers**
Read transcript or proof type setup to detect and mark for correction any grammatical, typographical, or compositional errors. Exclude workers whose primary duty is editing copy. Include proofreaders of Braille.
- 43-9111 Statistical Assistants**
Compile and compute data according to statistical formulas for use in statistical studies. May perform actuarial computations and compile charts and graphs for use by actuaries. Include actuarial clerks.
- 43-9999 All Other Secretaries, Administrative Assistants, and Other Office Support Workers**
- 45-0000 Farming, Fishing, and Forestry Occupations**
- 45-1011 First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers**
Directly supervise and coordinate the activities of agricultural, forestry, aquaculture, and related workers. Exclude "First-Line Supervisors/Managers of Landscaping, Lawn Service, and Grounds-keeping Workers" (37-1012).
- 45-1012 Farm Labor Contractors**

Occupational Definitions

- 45-2011 Agricultural Inspectors**
Inspect agricultural commodities, processing equipment, and facilities, and fish and logging operations, to ensure compliance with regulations and laws governing health, quality, and safety.
- 45-2021 Animal Breeders**
Breed animals, including, cattle, goats, horses, sheep, swine, poultry, fogs, cats, or pet birds. Select and breed animals according to their genealogy, characteristics, and offspring. May require a knowledge of artificial insemination techniques and equipment use. May involve keeping records on heat, birth intervals, or pedigree. Exclude "Non-farm Animal Caretakers" (39-2021) who may occasionally breed animals as part of their other care-taking duties. Exclude "Animal Scientists" (19-1011) whose primary functions is research.
- 45-2041 Graders and Sorters, Agricultural Products**
Grade, sort, or classify unprocessed food and other agricultural products by size, weight, color, or condition. Exclude "Agricultural Inspectors" (45-2011).
- 45-2091 Agricultural Equipment Operators**
Drive and control farm equipment to till soil and to plant, cultivate, and harvest crops. May perform tasks, such as crop baling or hay bucking. May operate stationary equipment to perform post-harvest tasks, such as husking, shelling, threshing, and ginning.
- 45-2092 Farm-workers and Laborers, Crop, Nursery, and Greenhouse**
Manually plant, cultivate, and harvest vegetables, fruits, nuts, horticultural specialties, and field crops. Use hand tools, such as shovels, trowels, hoes, tampers, pruning hooks, shears, and knives. Duties may include tilling soil and applying fertilizers; transplanting, weeding, thinning, or pruning crops; applying pesticides; cleaning, grading, sorting, packing and loading harvested products. May construct trellises, repair fences and farm buildings, or participate in irrigation activities. Exclude "Graders and Sorters, Agricultural Products" (45-2041). Exclude "Forest, Conservation, and Logging Workers" (45-4011 through 45-4029).
- 45-2093 Farm-workers, Farm and Ranch Animals**
Attend to live farm, ranch, or aquaculture animals that may include cattle, sheep, swine, goats, horses and other equines, poultry, finfish, shellfish, and bees. Attend to animals produced for animal products, such as meat, fur, skins, feathers, eggs, milk, and honey. Duties may include feeding, watering, herding, grazing, castrating, branding, de-betaking, weighing, catching, and loading animals. May maintain records on animals; examine animals to detect diseases and injuries; assist in birth deliveries; and administer medications, vaccinations, or insecticides as appropriate. May clean and maintain animal housing areas. Include workers who shear wool from sheep, and collect eggs in hatcheries.
- 45-4011 Forest and Conservation Workers**
Under supervision, perform manual labor necessary to develop, maintain, or protect forest, forested areas, and woodlands through such activities as raising and transporting tree seedlings; combating insects, pests, and diseases harmful to trees; and building erosion and water control structures and leaching of forest soil. Include forester aides, seedling pullers, and tree planters.
- 45-4021 Fallers**
Use axes or chainsaws to fell trees using knowledge of tree characteristics and cutting techniques to control direction of fall and minimize tree damage.

Occupational Definitions

- 45-4022 Logging Equipment Operators**
Drive logging tractor or wheeled vehicle equipped with one or more accessories, such as bulldozer blade, frontal shear, grapple, logging arch, cable winches, hoisting rack, or crane boom, to fell tree; to skid, load, unload, or stack logs; or to pull stumps or clear brush.
- 45-4023 Log Graders and Scalars**
Grades log or estimate the marketable content or value of logs or pulpwood in sorting yards, millpond, log deck, or similar locations. Inspect logs for defects or measure logs to determine volume. Exclude "Purchasing Agents and Buyers, Farm Products" (13-1021).
- 45-9099 Farming, Fishing, and Forestry Workers, All Others**
All farming, fishing, and forestry workers not listed separately.
- 47-0000 Construction and Extraction Occupations**
- 47-1011 First-Line Supervisors/Managers of Construction Trades and Extraction Workers**
Directly supervise and coordinate activities of construction or extraction workers.
- 47-2011 Boilermakers**
Construct, assemble, maintain, and repair stationary steam boilers and boiler house auxiliaries. Align structures or plate sections to assemble boiler frame tanks or vats, following blueprints. Work involves use of hand and power tools, plumb bobs, levels, wedges, dogs, or turnbuckles. Assist in testing assembled vessels. Direct cleaning of boilers and boiler furnaces. Inspect and repair boiler fittings, such as safety valves, regulators, automatic-control mechanisms, water columns, and auxiliary machines.
- 47-2021 Brick-masons and Block-masons**
Lay and bind building materials, such as brick, structural tile, concrete block, cinder block, glass block, and terra-cotta block, with mortar and other substances to construct or repair walls, partitions, arches, sewers, and other structures. Exclude "Stonemasons" (47-2022). Classify installers of mortar-less segmental concrete masonry wall units in "Landscaping and Grounds-keeping Workers" (37-3011).
- 47-2022 Stonemasons**
Build stone structures, such as piers, walls, and abutments. Lay walks, curbstones, or special types of masonry for vats, tanks, and floors. 47-2031 Carpenters Construct, erect, install, or repair structures and fixtures made of wood, such as concrete forms; building frameworks, including partitions, joists, studding, and rafters; wood stairways, window and door frames, and hardwood floors. May also install cabinets, siding, drywall and batt or roll insulation. Include brattice builders who build doors or brattices (ventilation walls or partitions) in underground passageways to control the proper circulation of air through the passageways and to the working places.
- 47-2031 Carpenters**
Construct, erect, install, or repair structures and fixtures made of wood, such as concrete forms; building frameworks, including partitions, joists, studding, and rafters; wood stairways, window and door frames, and hardwood floors. May also install cabinets, siding, drywall and batt or roll insulation. Include brattice builder who build doors or brattices (ventilation walls or partitions) in underground passageways to control the proper circulation of air through the passageways and to the working places.

Occupational Definitions

- 47-2041 Carpet Installers**
Lay and install carpet from rolls or blocks on floors. Install padding and trim flooring materials. Exclude "Floor Layers, Except Carpet, Wood, and Hard Tiles" (47-2042).
- 47-2042 Floor Layers, Except Carpet, Wood, and Hard Tiles**
Apply blocks, strips, or sheets of shock-absorbing, sound-deadening, or decorative coverings to floors.
- 47-2043 Floor Sanders and Finishers**
Scrape and sand wooden floors to smooth surfaces using floor scraper and floor sanding machine, and apply coats of finish.
- 47-2044 Tile and Marble Setters**
Apply hard tile, marble, and wood tile to walls, floors, ceilings, and roof decks.
- 47-2051 Cement Masons and Concrete Finishers**
Smooth and finish surfaces of poured concrete, such as floors, walks, sidewalks, roads, or curbs using a variety of hand and power tools. Align forms for sidewalks, curbs, or gutters; patch voids; use saws to cut expansion joints. Classify installers of mortar-less segmental concrete masonry wall units in "Landscaping and Grounds-keeping Workers. (37-3011).
- 47-2053 Terrazzo Workers and Finishers**
Apply a mixture of cement, sand, pigment, or marble chips to floors, stairways, and cabinet fixtures to fashion durable and decorative surfaces.
- 47-2061 Construction Laborers**
Perform tasks involving physical labor at building, highway, and heavy construction projects, tunnel and shaft excavations, and demolition sites. May operate hand and power tools of all types: air hammers, earth tampers, cement mixers, small mechanical hoists, surveying and measuring equipment, and a variety of other equipment and instruments. May clean and prepare sites, dig trenches, set braces to support the sides of excavations, erect scaffolding, clean up rubble and debris, and remove asbestos, lead, and other hazardous waste materials. May assist other craft workers. Exclude construction laborers who primarily assist a particular craft worker, and classify them under "Helpers, Construction Trades" (47-3011 through 47-3016).
- 47-2071 Paving, Surfacing, and Tamping Equipment Operators**
Operate equipment used for applying concrete, asphalt, or other materials to road beds, parking lots, or airport runways and taxiways, or equipment used for tamping gravel, dirt, or other materials. Include concrete and asphalt paving machine operators, form tampers, tamping machine operators, and stone spreader operators.
- 47-2072 Pile-Driver Operators**
Operate pile drivers mounted on skids, barges, crawler treads, or locomotive cranes to drive pilings for retaining walls, bulkheads, and foundations of structures, such as buildings, bridges, and piers.
- 47-2073 Operating Engineers and Other Construction Equipment Operators**
Operate one or several types of power construction equipment, such as motor graders, bulldozers, scrapers, compressors, pumps, derricks, shovels, tractors, or front-end loaders to excavate, move, and grade earth, erect structures, or pour concrete or other hard surface pavement. May repair and maintain equipment in addition to other duties. Exclude "Crane and Tower Operators" (53-7021) and equipment operators who work in extraction or other non-construction industries.

Occupational Definitions

- 47-2081 Drywall and Ceiling Tile Installers**
Apply plasterboard or other wallboard to ceilings or interior walls of buildings. Apply or mount acoustical tiles or blocks, strips, or sheets of shock-absorbing materials to ceilings and walls of buildings to reduce or reflect sound. Materials may be of decorative quality. Include lathers who fasten wooden, metal, or rock-board lath to walls, ceilings or partitions of buildings to provide support base for plaster, fire-proofing, or acoustical material. Exclude "Carpenters" (47-2031), and "Tile and Marble Setters" (47-2044).
- 47-2082 Tapers**
Seal joints between plasterboard or other wallboard to prepare wall surface for painting or papering.
- 47-2111 Electricians**
Install, maintain, and repair electrical wiring, equipment, and fixtures. Ensure that work is in accordance with relevant codes. May install or service street lights, intercom systems, or electrical control systems. Exclude "Security and Fire Alarm Systems Installers" (49-2098).
- 47-2121 Glaziers**
Install glass in windows, skylights, store fronts, and display cases, or on surfaces, such as building fronts, interior walls, ceilings, and tabletops.
- 47-2130 Insulation Workers**
This broad occupation includes the following two detailed occupations:
- 47-2131 Insulation Workers, Floor, Ceiling, and Wall**
Line and cover structures with insulating materials. May work with batt, roll, or blown insulation materials.
- 47-2132 Insulation Workers, Mechanical**
Apply insulating materials to pipes or ductwork, or other mechanical systems in order to help control and maintain temperature.
- 47-2141 Painters, Construction and Maintenance**
Paint walls, equipment, buildings, bridges, and other structural surfaces, using brushes, rollers, and spray guns. May remove old paint to prepare surface prior to painting. May mix colors or oils to obtain desired color or consistency. Exclude "Paperhangers" (47-2142).
- 47-2142 Paperhangers**
Cover interior walls and ceilings of rooms with decorative wallpaper or fabric, or attach advertising posters on surfaces, such as walls and billboards. Duties include removing old materials from surface to be papered.
- 47-2151 Pipe-layers**
Lay pipe for storm or sanitation sewers, drains, and water mains. Perform any combination of the following tasks: grade trenches or culverts, position pipe, or seal joints. Exclude "Welders, Cutters, Solderers, and Brazers" (51-4121).
- 47-2152 Plumbers, Pipe-fitters, and Steamfitters**
Assemble, install, alter, and repair pipelines or pipe systems that carry water, steam, air, or other liquids or gases. May install heating and cooling equipment and mechanical control systems.

Occupational Definitions

- 47-2161 Plasterers and Stucco Masons**
Apply interior or exterior plaster, cement, stucco, or similar materials. May also set ornamental plaster.
- 47-2171 Reinforcing Iron and Rebar Workers**
Position and secure steel bars or mesh in concrete forms in order to reinforce concrete. Use a variety of fasteners, rod-bending machines, blowtorches, and hand tools. Include rod busters.
- 47-2181 Roofers**
Cover roofs of structures with shingles, slate, asphalt, aluminum, wood, and related materials. May spray roofs, sidings, and walls with material to bind, seal, insulate, or soundproof sections of structures.
- 47-2211 Sheet Metal Workers**
Fabricate, assemble, install, and repair sheet metal products and equipment, such as ducts, control boxes, drainpipes, and furnace casings. Work may involve any of the following: setting up and operating fabricating machines to cut, bend, and straighten sheet metal; shaping metal over anvils, blocks, or forms using hammer; operating soldering and welding equipment to join sheet metal parts; inspecting, assembling, and smoothing seams and joints of burred surfaces. Include sheet metal duct installers who install prefabricated sheet metal ducts used for heating, air conditioning, or other purposes.
- 47-2221 Structural Iron and Steel Workers**
Raise, place, and unite iron or steel girders, columns, and other structural members to form completed structures or structural frameworks. May erect metal storage tanks and assemble prefabricated metal buildings. Exclude "Reinforcing Iron and Rebar Workers" (47-2171).
- 47-3011 Helpers-Brick-masons, Block-masons, Stonemasons, and Tile and Marble Setters**
Help Brick-masons, block masons, stonemasons, or tile and marble setters by performing duties of lesser skill. Duties include using, supplying or holding materials or tools, and cleaning work area and equipment. Exclude apprentice workers and report them with the appropriate skilled construction trade occupation (47-2011 through 47-2221). Exclude construction laborers who do not primarily assist Brick-masons, block masons, and stonemasons or tile and marble setters, and classify them under "Construction Laborers" (47-2061).
- 47-3012 Helpers-Carpenters**
Help carpenters by performing duties of lesser skill. Duties include using, supplying or holding materials or tools, and cleaning work area and equipment. Exclude apprentice workers and report them with the appropriate skilled construction trade occupation (47-2011 through 47-2221). Exclude construction laborers who do not primarily assist carpenters, and classify them under "Construction Laborers" (47-2061).
- 47-3013 Helpers-Electricians**
Help electricians by performing duties of lesser skill. Duties include using, supplying or holding materials or tools, and cleaning work area and equipment. Exclude apprentice workers and report them with the appropriate skilled construction trade occupation (47-2011 through 47-2221). Exclude construction laborers who do not primarily assist electricians, and classify them under "Construction Laborers" (47-2061).

Occupational Definitions

- 47-3014** **Helpers-Painters, Paperhangers, Plasterers, and Stucco Masons**
Help painters, paperhangers, plasterers, or stucco masons by performing duties of lesser skill. Duties include using, supplying or holding materials or tools, and cleaning work area and equipment. Exclude apprentice workers and report them with the appropriate skilled construction trade occupation (47-2011 through 47-2221). Exclude construction laborers who do not primarily assist painters, paperhangers, plasterers, or stucco masons, and classify them under "Construction Laborers" (47-2061).
- 47-3015** **Helpers-Pipe-layers, Plumbers, Pipe-fitters, and Steamfitters**
Help plumbers, pipe-fitters, steamfitters, or pipe-layers by performing duties of lesser skill. Duties include using, supplying or holding materials or tools, and cleaning work area and equipment. Exclude apprentice workers and report them with the appropriate skilled construction trade occupation (47-2011 through 47-2221). Exclude construction laborers who do not primarily assist plumbers, pipe-fitters, steamfitters, or pipe-layers, and classify them under "Construction Laborers" (47-2061).
- 47-3016** **Helpers-Roofers**
Help roofers by performing duties of lesser skill. Duties include using, supplying or holding materials or tools, and cleaning work area and equipment. Exclude apprentice workers and report them with the appropriate skilled construction trade occupation (47-2011 through 47-2221). Exclude construction laborers who do not primarily assist roofers, and classify them under "Construction Laborers" (47-2061).
- 47-3019** **Helpers, Construction Trades, All Other**
All construction trades helpers not listed separately.
- 47-4000** **Other Construction and Related Workers**
- 47-4011** **Construction and Building Inspectors**
Inspect structures using engineering skills to determine structural soundness and compliance with specifications, building codes, and other regulations. Inspections may be general in nature or may be limited to a specific area, such as electrical systems or plumbing.
- 47-4021** **Elevator Installers and Repairers**
Assemble, install, repair, or maintain electric or hydraulic freight or passenger elevators, escalators, or dumbwaiters.
- 47-4031** **Fence Erectors**
Erect and repair metal and wooden fences and fence gates around highways, industrial establishments, residences, or farms, using hand and power tools.
- 47-4041** **Hazardous Materials Removal Workers**
Identify, remove, pack, transport, or dispose of hazardous materials, including asbestos, lead-based paint, waste oil, fuel, transmission fluid, radioactive materials, contaminated soil, etc. Specialized training and certification in hazardous materials handling or a confined entry permit are generally required. May operate earth-moving equipment or trucks.
- 47-4051** **Highway Maintenance Workers**
Maintain highways, municipal and rural roads, airport runways, and rights-of-way. Duties include patching broken or eroded pavement, repairing guard rails, highway markers, and snow fences. May also mow or clear brush from along road or plow snow from roadway. Exclude "Tree Trimmers and Pruners" (37-3013).

Occupational Definitions

- 47-4061 Rail-Track Laying and Maintenance Equipment Operators**
Lay, repair, and maintain track for standard or narrow-gauge railroad equipment used in regular railroad service or in plant yards, quarries, sand and gravel pits, and mines. Include ballast cleaning machine operators and railroad bed tamping machine operators.
- 47-4071 Septic Tank Servicers and Sewer Pipe Cleaners**
Clean and repair septic tanks, sewer lines, or drains. May patch walls and partitions of tank, replace damaged drain tile, or repair breaks in underground piping.
- 47-5011 Derrick Operators, Oil and Gas**
Rig derrick equipment and operate pumps to circulate mud through drill hole.
- 47-5012 Rotary Drill Operators, Oil and Gas**
Set up or operate a variety of drills to remove petroleum products from the earth and to find and remove core samples for testing during oil and gas exploration.
- 47-5013 Service Unit Operators, Oil, Gas, and Mining**
Operate equipment to increase oil flow from producing wells or to remove stuck pipe, casing, tools, or other obstructions from drilling wells. May also perform similar services in mining exploration operations. Include fishing-tool technicians.
- 47-5021 Earth Drillers, Except Oil and Gas**
Operate a variety of drills-such as rotary, churn, and pneumatic-to tap sub-surface water and salt deposits, to remove core samples during mineral exploration or soil testing, and to facilitate the use of explosives in mining or construction. May use explosives. Include horizontal and earth boring machine operators.
- 47-5031 Explosives Workers, Ordnance Handling Experts, and Blasters**
Place and detonate explosives to demolish structures or to loosen, remove, or displace earth, rock, or other materials. May perform specialized handling, storage, and accounting procedures. Include seismograph shooters. Exclude "Earth Drillers, Except Oil and Gas" (47-5021) who may also work with explosives.
- 47-5041 Continuous Mining Machine Operators**
Operate self-propelled mining machines that rip coal, metal and nonmetal ores, rock, stone, or sand from the face and load it onto conveyors or into shuttle cars in a continuous operation.
- 47-5051 Rock Splitters, Quarry**
Separate blocks of rough dimension stone from quarry mass using jackhammer and wedges.
- 47-5071 Roustabouts, Oil and Gas**
Assemble or repair oil field equipment using hand and power tools. Perform other tasks as needed.
- 47-5081 Helpers-Extraction Workers**
Help extraction craft workers, such as earth drillers, blasters and explosives workers, derrick operators, and mining machine operators, by performing duties of lesser skill. Duties include supplying equipment or cleaning work area. Exclude apprentice workers and report them with the appropriate extraction trade occupation (47-5011 through 47-5099).
- 49-0000 Installation, Maintenance, and Repair Occupations**

Occupational Definitions

- 49-1011 First-Line Supervisors/Managers of Mechanics, Installers, and Repairers**
Supervise and coordinate the activities of mechanics, installers, and repairers. Exclude team or work leaders.
- 49-2011 Computer, Automated Teller, and Office Machine Repairers**
Repair, maintain, or install computers, word processing systems, automated teller machines, and electronic office machines, such as duplicating and fax machines.
- 49-2021 Radio Mechanics**
Test or repair mobile or stationary radio transmitting and receiving equipment and two-way radio communications systems used in ship-to-shore communications and found in service and emergency vehicles.
- 49-2022 Telecommunications Equipment Installers and Repairers, Except Line Installers**
Set-up, rearrange, or remove switching and dialing equipment used in central offices. Service or repair telephones and other communication equipment on customers' property. May install equipment in new locations or install wiring and telephone jacks in buildings under construction.
- 49-2091 Avionics Technicians**
Install, inspect, test, adjust, or repair avionics equipment, such as radar, radio, navigation, and missile control systems in aircraft or space vehicles.
- 49-2092 Electric Motor, Power Tool, and Related Repairers**
Repair, maintain, or install electric motors, wiring, or switches.
- 49-2093 Electrical and Electronics Installers and Repairers, Transportation Equipment**
Install, adjust, or maintain mobile electronics communication equipment, including sound, sonar, security, navigation, and surveillance systems on trains, watercraft, or other mobile equipment. Exclude "Avionics Technicians" (49-2091) and "Electronic Equipment Installers and Repairers, Motor Vehicles" (49-2096).
- 49-2094 Electrical and Electronics Repairers, Commercial and Industrial Equipment**
Repair, test, adjust, or install electronic equipment, such as industrial controls, transmitters, and antennas. Exclude "Avionics Technicians" (49-2091), "Electronic Equipment Installers and Repairers, Motor Vehicles" (49-2096), and "Electrical and Electronics Installers and Repairers, Transportation Equipment" (49-2093).
- 49-2095 Electrical and Electronics Repairers, Powerhouse, Substation, and Relay**
Inspect, test, repair, or maintain electrical equipment in generating stations, substations, and in-ervice relays.
- 49-2096 Electronic Equipment Installers and Repairers, Motor Vehicles**
Install, diagnose, or repair communications, sound, security, or navigation equipment in motor vehicles.
- 49-2097 Electronic Home Entertainment Equipment Installers and Repairers**
Repair, adjust, or install audio or television receivers, stereo systems, camcorders, video systems, or other electronic home entertainment equipment.
- 49-2098 Security and Fire Alarm Systems Installers**
Install, program, maintain, and repair security and fire alarm wiring and equipment. Ensure that work is in accordance with relevant codes. Exclude "Electricians" (47-2111) who do a broad range of electrical wiring.

Occupational Definitions

- 49-2099 All Other Electrical and Electronic Equipment Mechanics, Installers, and Repairers**
- 49-3011 Aircraft Mechanics and Service Technicians**
Diagnose, adjust, repair, or overhaul aircraft engines and assemblies, such as hydraulic and pneumatic systems. Include helicopter and aircraft engine specialists. Exclude "Avionics Technician" (49-2091).
- 49-3021 Automotive Body and Related Repairers**
Repair and refinish automotive vehicle bodies and straighten vehicle frames. Exclude "Painters, Transportation Equipment" (51-9122) and "Automotive Glass Installers and Repairers" (49-3022).
- 49-3022 Automotive Glass Installers and Repairers**
Replace or repair broken windshields and window glass in motor vehicles.
- 49-3023 Automotive Service Technicians and Mechanics**
Diagnose, adjust, repair, or overhaul automotive vehicles. Exclude "Automotive Body and Related Repairers" (49-3021), "Bus and Truck Mechanics and Diesel Engine Specialists" (49-3031), and "Electronic Equipment Installers and Repairers, Motor Vehicles" (49-2096).
- 49-3031 Bus and Truck Mechanics and Diesel Engine Specialists**
Diagnose, adjust, repair, or overhaul trucks, buses, and all types of diesel engines. Include mechanics working primarily with automobile diesel engines.
- 49-3041 Farm Equipment Mechanics**
Diagnose, adjust, repair, or overhaul farm machinery and vehicles, such as tractors, harvesters, dairy equipment, and irrigation systems. Exclude "Bus and Truck Mechanics and Diesel Engine Specialists" (49-3031).
- 49-3042 Mobile Heavy Equipment Mechanics, Except Engines**
Diagnose, adjust, repair, or overhaul mobile mechanical, hydraulic, and pneumatic equipment, such as cranes, bulldozers, graders, and conveyors, used in construction, logging, and surface mining. Exclude "Rail Car Repairers" (49-3043) and "Bus and Truck Mechanics and Diesel Engine Specialists" (49-3031).
- 49-3043 Rail Car Repairers**
Diagnose, adjust, repair, or overhaul railroad rolling stock, mine cars, or mass transit rail cars. Exclude "Bus and Truck Mechanics and Diesel Engine Specialists".
- 49-3051 Motorboat Mechanics**
Repair and adjust electrical and mechanical equipment of gasoline or diesel powered inboard or inboard-outboard boat engines. Exclude "Diesel Engine Specialists" (49-3031).
- 49-3052 Motorcycle Mechanics**
Diagnose, adjust, repair, or overhaul motorcycles, scooters, mopeds, dirt bikes, or similar motorized vehicles.
- 49-3053 Outdoor Power Equipment and Other Small Engine Mechanics**
Diagnose, adjust, repair, or overhaul small engines used to power lawn mowers, chain saws, and related equipment.
- 49-3091 Bicycle Repairers**
Repair and service bicycles.

Occupational Definitions

- 49-3092 Recreational Vehicle Service Technicians**
Diagnose, inspect, adjust, repair, or overhaul recreational vehicles including travel trailers. May specialize in maintaining gas, electrical, hydraulic, plumbing, or chassis/towing systems as well as repairing generators, appliances, and interior components. Include workers who perform customized van conversions. Exclude "Automotive Service Technicians and Mechanics" (49-3023) and "Bus and Truck Mechanics and Diesel Engine Specialists" (49-3031) who also work on recreation vehicles.
- 49-3093 Tire Repairers and Changers**
Repair and replace tires.
- 49-3099 All Other Vehicle and Mobile Equipment Mechanics, Installers, and Repairers**
- 49-9000 Other Installation, Maintenance, and Repair Occupations**
- 49-9011 Mechanical Door Repairers**
Install, service, or repair opening and closing mechanisms of automatic doors and hydraulic door losers. Include garage door mechanics.
- 49-9012 Control and Valve Installers and Repairers, Except Mechanical Door**
Install, repair, and maintain mechanical regulating and controlling devices, such as electric meters, gas regulators, thermostats, safety and flow valves, and other mechanical governors.
- 49-9021 Heating, Air Conditioning, and Refrigeration Mechanics and Installers**
Install or repair heating, central air conditioning, or refrigeration systems, including oil burners, hot-air furnaces, and heating stoves.
- 49-9031 Home Appliance Repairers**
Repair, adjust, or install all types of electric or gas household appliances, such as refrigerators, washers, dryers, and ovens.
- 49-9041 Industrial Machinery Mechanics**
Repair, install, adjust, or maintain industrial production and processing machinery or refinery and pipeline distribution systems. Exclude "Millwrights" (49-9044), "Mobile Heavy Equipment Mechanics, Except Engines" (49-3042), and "Maintenance Workers, Machinery" (49-9043) who perform only routine tasks.
- 49-9042 Maintenance and Repair Workers, General**
Perform work involving the skills of two or more maintenance or craft occupations to keep machines, mechanical equipment, or the structure of an establishment in repair. Duties may involve pipe fitting; boiler making; insulating; welding; machining; carpentry; repairing electrical or mechanical equipment; installing, aligning, and balancing new equipment; and repairing buildings, floors, or stairs. Exclude "Maintenance Workers, Machinery" (49-9043).
- 49-9043 Maintenance Workers, Machinery**
Lubricate machinery, change parts, or perform other routine machinery maintenance. Exclude "Maintenance and Repair Workers, General" (49-9042).
- 49-9044 Millwrights**
Install, dismantle, or move machinery and heavy equipment according to layout plans, blueprints, or other drawings.

Occupational Definitions

- 49-9051 Electrical Power-Line Installers and Repairers**
Install or repair cables or wires used in electrical power or distribution systems. May erect poles and light or heavy duty transmission towers. Exclude "Electrical and Electronics Repairers, Powerhouse, Substation, and Relay" (49-2095).
- 49-9052 Telecommunications Line Installers and Repairers**
String and repair telephone and television cable, including fiber optics and other equipment for transmitting messages or television programming.
- 49-9061 Camera and Photographic Equipment Repairers**
Repair and adjust cameras and photographic equipment, including commercial video and motion picture camera equipment.
- 49-9062 Medical Equipment Repairers**
Test, adjust, or repair biomedical or electro-medical equipment.
- 49-9063 Musical Instrument Repairers and Tuners**
Repair percussion, stringed, reed, or wind instruments. May specialize in one area, such as piano tuning. Exclude "Electronic Home Entertainment Equipment Installers and Repairers" (49-2097) who repair electrical and electronic musical instruments.
- 49-9064 Watch Repairers**
Repair, clean, and adjust mechanisms of timing instruments, such as watches and clocks. Include atchmakers.
- 49-9069 Precision Instrument and Equipment Repairers, All other**
All precision instrument and equipment repairers not listed separately.
- 49-9091 Coin, Vending, and Amusement Machine Servicers and Repairers**
Install, service, adjust, or repair coin, vending, or amusement machines including video games, jukeboxes, pinball machines, or slot machines.
- 49-9092 Fabric Menders, Except Garment**
Repair tears, holes, and other defects in fabrics, such as draperies, linens, parachutes, and tents.
- 49-9094 Locksmiths and Safe Repairers**
Repair and open locks; make keys; change locks and safe combinations; and install and repair safes.
- 49-9095 Manufactured Building and Mobile Home Installers**
Move or install mobile homes or prefabricated buildings.
- 49-9096 Riggers**
Set up or repair rigging for construction projects, manufacturing plants, logging yards, ships and shipyards, or for the entertainment industry.
- 49-9098 Helpers-Installation, Maintenance, and Repair Workers**
Help installation, maintenance, and repair workers in maintenance, parts replacement, and repair of vehicles, industrial machinery, and electrical and electronic equipment. Perform duties, such as furnishing tools, materials, and supplies to other workers; cleaning work area, machines, and tools; and holding materials or tools for other workers.

Occupational Definitions

- 51-0000** **Production Occupations**
- 51-1011** **First-Line Supervisors/Managers of Production and Operating Workers**
Supervise and coordinate the activities of production and operating workers, such as inspectors, precision workers, machine setters and operators, assemblers, fabricators, and plant and system operators. Exclude team or work leaders.
- 51-2011** **Aircraft Structure, Surfaces, Rigging, and Systems Assemblers**
Assemble, fit, fasten, and install parts of airplanes, space vehicles, or missiles, such as tails, wings, fuselage, bulkheads, stabilizers, landing gear, rigging and control equipment, or heating and ventilating systems.
- 51-2021** **Coil Winders, Tapers, and Finishers**
Wind wire coils used in electrical components, such as resistors and transformers, and in electrical equipment and instruments, such as field cores, bobbins, armature cores, electrical motors, generators, and control equipment.
- 51-2022** **Electrical and Electronic Equipment Assemblers**
Assemble or modify electrical or electronic equipment, such as computers, test equipment telemetering systems, electric motors, and batteries.
- 51-2023** **Electromechanical Equipment Assemblers**
Assemble or modify electromechanical equipment or devices, such as servomechanisms, gyros, dynamometers, magnetic drums, tape drives, brakes, control linkage, actuators, and appliances.
- 51-2031** **Engine and Other Machine Assemblers**
Construct, assemble, or rebuild machines, such as engines, turbines, and similar equipment used in such industries as construction, extraction, textiles, and paper manufacturing.
- 51-2041** **Structural Metal Fabricators and Fitters**
Fabricate, lay out, position, align, and fit parts of structural metal products.
- 51-2091** **Fiberglass Laminators and Fabricators**
Laminate layers of fiberglass on molds to form boat decks and hulls, bodies for golf carts, automobiles, or other products.
- 51-2092** **Team Assemblers**
Work as part of a team having responsibility for assembling an entire product or component of a product. Team assemblers can perform all tasks conducted by the team in the assembly process and rotate through all or most of them rather than being assigned to a specific task on a permanent basis. May participate in making management decisions affecting the work. Team leaders who work as part of the team should be included. Exclude assemblers (51-2011 through 51-2099) who continuously perform the same task.
- 51-2093** **Timing Device Assemblers, Adjusters, and Calibrators**
Perform precision assembling or adjusting, within narrow tolerances, of timing devices, such as watches, clocks, or chronometers. Exclude "Watch Repairers" (49-9064).
- 51-2099** **Assemblers and Fabricators, All Other**
All assemblers and fabricators not listed separately.

Occupational Definitions

- 51-3011 Bakers**
Mix and bake ingredients according to recipes to produce breads, rolls, cookies, cakes, pies, pastries, or other baked goods. Include pastry chefs in restaurants and hotels with "Chefs and Head Cooks" (35-1011).
- 51-3021 Butchers and Meat Cutters**
Cut, trim, or prepare consumer-sized portions of meat for use or sale in retail establishments.
- 51-3022 Meat, Poultry, and Fish Cutters and Trimmers**
Use hand tools to perform routine cutting and trimming of meat, poultry, and fish.
- 51-3023 Slaughterers and Meat Packers**
Work in slaughtering, meat packing, or wholesale establishments performing precision functions involving the preparation of meat. Work may include specialized slaughtering tasks, cutting standard or premium cuts of meat for marketing, making sausage, or wrapping meats. Exclude "Meat, Poultry, and Fish Cutters and Trimmers" (51-3022) who perform routine, lower-skilled meat cutting.
- 51-3091 Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders**
Operate or tend food or tobacco roasting, baking, or drying equipment, including hearth ovens, kiln driers, roasters, char kilns, and vacuum drying equipment.
- 51-3092 Food Batch-makers**
Set up and operate equipment that mixes or blends ingredients used in the manufacturing of food products. Include candy makers and cheese makers.
- 51-3093 Food Cooking Machine Operators and Tenders**
Operate or tend cooking equipment, such as steam cooking vats, deep fry cookers, pressure cookers, kettles, and boilers, to prepare food products. Exclude "Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders" (51-3091).
- 51-3099 All Other Food Processing Workers**
- 51-4011 Computer-Controlled Machine Tool Operators, Metal and Plastic**
Operate computer-controlled machines or robots to perform one or more machine functions on metal or plastic work pieces.
- 51-4012 Numerical Tool and Process Control Programmers**
Develop programs to control machining or processing of parts by automatic machine tools, equipment, or systems.
- 51-4021 Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic**
Set up, operate, or tend machines to extrude or draw thermoplastic or metal materials into tubes, rods, hoses, wire, bars, or structural shapes.
- 51-4022 Forging Machine Setters, Operators, and Tenders, Metal and Plastic**
Set up, operate, or tend forging machines to taper, shape, or form metal or plastic parts.
- 51-4023 Rolling Machine Setters, Operators, and Tenders, Metal and Plastic**
Set up, operate, or tend machines to roll steel or plastic forming bends, beads, knurls, rolls, or plate or to flatten, temper, or reduce gauge of material.

Occupational Definitions

- 51-4031 Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic**
Set up, operate, or tend machines to saw, cut, shear, slit, punch, crimp, notch, bend, or straighten metal or plastic material.
- 51-4032 Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic**
Set up, operate, or tend drilling machines to drill, bore, ream, mill, or countersink metal or plastic work pieces.
- 51-4033 Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic**
Set up, operate, or tend grinding and related tools that remove excess material or burrs from surfaces, sharpen edges or corners, or buff, hone, or polish metal or plastic work pieces.
- 51-4034 Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic**
Set up, operate, or tend lathe and turning machines to turn, bore, thread, form, or face metal or plastic materials, such as wire, rod, or bar stock.
- 51-4035 Milling and Planning Machine Setters, Operators, and Tenders, Metal and Plastic**
Set up, operate, or tend milling or planning machines to mill, plane, shape, groove, or profile metal or plastic work pieces.
- 51-4041 Machinists**
Set up and operate a variety of machine tools to produce precision parts and instruments. Include precision instrument makers who fabricate, modify, or repair mechanical instruments. May also fabricate and modify parts to make or repair machine tools or maintain industrial machines, applying knowledge of mechanics, shop mathematics, metal properties, layout, and machining procedures.
- 51-4051 Metal-Refining Furnace Operators and Tenders**
Operate or tend furnaces, such as gas, oil, coal, electric-arc or electric induction, open-hearth, or oxygen furnaces, to melt and refine metal before casting or to produce specified types of steel. Exclude "Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic" (51-4191).
- 51-4052 Pourers and Casters, Metal**
Operate hand-controlled mechanisms to pour and regulate the flow of molten metal into molds to produce castings or ingots.
- 51-4061 Model Makers, Metal and Plastic**
Set up and operate machines, such as lathes, milling and engraving machines, and jig borers to make working models of metal or plastic objects. Include template makers.
- 51-4062 Patternmakers, Metal and Plastic**
Lay out, machine, fit, and assemble castings and parts to metal or plastic foundry patterns, core boxes, or match plates.
- 51-4071 Foundry Mold and Core-makers**
Make or form wax or sand cores or molds used in the production of metal castings in foundries.
- 51-4072 Molding, Core-making, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic**
Set up, operate, or tend metal or plastic molding, casting, or core-making machines to mold or cast metal or thermoplastic parts or products.

Occupational Definitions

- 51-4081 Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic**
Set up, operate, or tend more than one type of cutting or forming machine tool or robot.
- 51-4111 Tool and Die Makers**
Analyze specifications, lay out metal stock, set up and operate machine tools, and fit and assemble parts to make and repair dies, cutting tools, jigs, fixtures, gauges, and machinists' hand tools.
- 51-4121 Welders, Cutters, Solderers, and Brazers**
Use hand-welding, flame-cutting, hand soldering, or brazing equipment to weld or join metal components or to fill holes, indentations, or seams of fabricated metal products.
- 51-4122 Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders**
Set up, operate, or tend welding, soldering, or brazing machines or robots that weld, braze, solder, or heat treat metal products, components, or assemblies. Include workers who operate laser cutters or laser-beam machines.
- 51-4191 Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic**
Set up, operate, or tend heating equipment, such as heat-treating furnaces, flame-hardening machines, induction machines, soaking pits, or vacuum equipment to temper, harden, anneal, or heat-treat metal or plastic objects.
- 51-4192 Layout Workers, Metal and Plastic**
Lay out reference points and dimensions on metal or plastic stock or workpieces, such as sheets, plates, tubes, structural shapes, castings, or machine parts, for further processing. Include shipfitters.
- 51-4193 Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic**
Set up, operate, or tend plating or coating machines to coat metal or plastic products with chromium, zinc, copper, cadmium, nickel, or other metal to protect or decorate surfaces. Include electrolytic processes.
- 51-4194 Tool Grinders, Filers, and Sharpeners**
Perform precision smoothing, sharpening, polishing, or grinding of metal objects.
- 51-4199 Metal Workers and Plastic Workers, All Other**
All metalworkers and plastic workers not listed separately.
- 51-5011 Bindery Workers**
Set up or operate binding machines that produce books and other printed materials. Include hand bindery workers. Exclude "Bookbinders" (51-5012).
- 51-5012 Bookbinders**
Perform highly skilled hand finishing operations, such as grooving and lettering to bind books.
- 51-5021 Job Printers**
Set type according to copy; operate press to print job order; and read proof for errors and clarity of impression, and correct imperfections. Job printers are often found in small establishments where work combines several job skills.
- 51-5022 Prepress Technicians and Workers**
Set up and prepare material for printing presses. Include prepress functions, such as compositing, typesetting, layout, paste-up, camera operating, scanning, film stripping, and photoengraving.

Occupational Definitions

- 51-5023 Printing Machine Operators**
Set up or operate various types of printing machines, such as offset, letterset, intaglio, or gravure presses or screen printers to produce print on paper or other materials.
- 51-5099 All Other Printing Workers**
- 51-6011 Laundry and Dry-Cleaning Workers**
Operate or tend washing or dry-cleaning machines to wash or dry-clean industrial or household articles, such as cloth garments, suede, leather, furs, blankets, draperies, fine linens, rugs, and carpets. Include spotters and dyers of these articles.
- 51-6021 Pressers, Textile, Garment, and Related Materials**
Press or shape articles by hand or machine.
- 51-6031 Sewing Machine Operators**
Operate or tend sewing machines to join, reinforce, decorate, or perform related sewing operations in the manufacture of garment or nongarment products.
- 51-6041 Shoe and Leather Workers and Repairers**
Construct, decorate, or repair leather and leather-like products, such as luggage, shoes, and saddles.
- 51-6042 Shoe Machine Operators and Tenders**
Operate or tend a variety of machines to join, decorate, reinforce, or finish shoes and shoe parts.
- 51-6051 Sewers, Hand**
Sew, join, reinforce, or finish, usually with needle and thread, a variety of manufactured items. Include weavers and stitchers. Exclude "Fabric Menders, Except Garment" (49-9093).
- 51-6052 Tailors, Dressmakers, and Custom Sewers**
Design, make, alter, repair, or fit garments.
- 51-6061 Textile Bleaching and Dyeing Machine Operators and Tenders**
Operate or tend machines to bleach, shrink, wash, dye, or finish textiles or synthetic or glass fibers.
- 51-6062 Textile Cutting Machine Setters, Operators, and Tenders**
Set up, operate, or tend machines that cut textiles.
- 51-6063 Textile Knitting and Weaving Machine Setters, Operators, and Tenders**
Set up, operate, or tend machines that knit, loop, weave, or draw in textiles. Exclude "Sewing Machine Operators" (51-6031).
- 51-6064 Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders**
Set up, operate, or tend machines that wind or twist textiles; or draw out and combine sliver, such as wool, hemp, or synthetic fibers. Include slubber machine and drawing frame operators.
- 51-6091 Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers**
Set up, operate, or tend machines that extrude and form continuous filaments from synthetic materials, such as liquid polymer, rayon, and fiberglass.

Occupational Definitions

- 51-6092 Fabric and Apparel Patternmakers**
Draw and construct sets of precision master fabric patterns or layouts. May also mark and cut fabrics and apparel.
- 51-6093 Upholsterers**
Make, repair, or replace upholstery for household furniture or transportation vehicles.
- 51-6099 Textile, Apparel, and Furnishings Workers, All Others**
All textile, apparel, and furnishings workers not listed separately.
- 51-7000 Woodworkers**
- 51-7011 Cabinetmakers and Bench Carpenters**
Cut, shape, and assemble wooden articles or set up and operate a variety of woodworking machines, such as power saws, jointers, and mortisers to surface, cut, or shape lumber or to fabricate parts for wood products. Exclude "Woodworking Machine Setters, Operators, and Tenders" (51-7041 through 51-7042) who specialize in one or a limited number of machine phases.
- 51-7021 Furniture Finishers**
Shape, finish, and refinish damaged, worn, or used furniture or new high-grade furniture to specified color or finish.
- 51-7041 Sawing Machine Setters, Operators, and Tenders, Wood**
Set up, operate, or tend wood sawing machines. Include head sawyers.
- 51-7042 Woodworking Machine Setters, Operators, and Tenders, Except Sawing**
Set up, operate, or tend woodworking machines, such as drill presses, lathes, shapers, routers, sanders, planers, and wood nailing machines.
- 51-7099 Woodworkers, All Other**
All woodworkers not listed separately.
- 51-8012 Power Distributors and Dispatchers**
Coordinate, regulate, or distribute electricity or steam.
- 51-8013 Power Plant Operators**
Control, operate, or maintain machinery to generate electric power. Include auxiliary equipment operators. Exclude "Nuclear Power Reactor Operators" (51-8011).
- 51-8021 Stationary Engineers and Boiler Operators**
Operate or maintain stationary engines, boilers, or other mechanical equipment to provide utilities for buildings or industrial processes. Operate equipment, such as steam engines, generators, motors, turbines, and steam boilers.
- 51-8031 Water and Liquid Waste Treatment Plant and System Operators**
Operate or control an entire process or system of machines, often through the use of control boards, to transfer or treat water or liquid waste.
- 51-8091 Chemical Plant and System Operators**
Control or operate an entire chemical process or system of machines.

Occupational Definitions

- 51-8092 Gas Plant Operators**
Distribute or process gas for utility companies and others by controlling compressors to maintain specified pressures on main pipelines.
- 51-8093 Petroleum Pump System Operators, Refinery Operators, and Gaugers**
Control the operation of petroleum refining or processing units. May specialize in controlling manifold and pumping systems, gauging or testing oil in storage tanks, or regulating the flow of oil into pipelines.
- 51-8099 Plant and System Operators, All Other**
All plant and system operators not listed separately.
- 51-9011 Chemical Equipment Operators and Tenders**
Operate or tend equipment to control chemical changes or reactions in the processing of industrial or consumer products. Equipment used includes devulcanizers, steam-jacketed kettles, and reactor vessels. Exclude "Chemical Plant and System Operators" (51-8091).
- 51-9012 Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders**
Set up, operate, or tend continuous flow or vat-type equipment; filter presses; shaker screens; centrifuges; condenser tubes; precipitating, fermenting, or evaporating tanks; scrubbing towers; or batch stills. These machines extract, sort, or separate liquids, gases, or solids from other materials to recover a refined product. Include dairy processing equipment operators. Exclude "Chemical Equipment Operators and Tenders" (51-9011).
- 51-9021 Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders**
Set up, operate, or tend machines to crush, grind, or polish materials, such as coal, glass, grain, stone, food, or rubber.
- 51-9022 Grinding and Polishing Workers, Hand**
Grind, sand, or polish, using hand tools or hand-held power tools, a variety of metal, wood, stone, clay, plastic, or glass objects. Include chippers, buffers, and finishers.
- 51-9023 Mixing and Blending Machine Setters, Operators, and Tenders**
Set up, operate, or tend machines to mix or blend materials, such as chemicals, tobacco, liquids, color pigments, or explosive ingredients. Exclude "Food Batch-makers" (51-3092).
- 51-9031 Cutters and Trimmers, Hand**
Use hand tools or hand-held power tools to cut and trim a variety of manufactured items, such as carpet, fabric, stone, glass, or rubber.
- 51-9032 Cutting and Slicing Machine Setters, Operators, and Tenders**
Set up, operate, or tend machines that cut or slice materials, such as glass, stone, cork, rubber, tobacco, food, paper, or insulating material. Exclude "Woodworking Machine Setters, Operators, and Tenders" (51-7041 through 51-7042), "Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic" (51-4031), and "Textile Cutting Machine Setters, Operators, and Tenders" (51-6062).
- 51-9041 Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders**
Set up, operate, or tend machines, such as glass forming machines, plodder machines, and tuber machines, to shape and form products, such as glassware, food, rubber, soap, brick, tile, clay, wax, tobacco, or cosmetics. Exclude "Paper Goods Machine Setters, Operators, and Tenders" (51-9196) and "Shoe Machine Operators and Tenders" (51-6042).

Occupational Definitions

- 51-9051 Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders**
Operate or tend heating equipment other than basic metal, plastic, or food processing equipment. Includes activities, such as annealing glass, drying lumber, curing rubber, removing moisture from materials, or boiling soap.
- 51-9061 Inspectors, Testers, Sorters, Samplers, and Weighers**
Inspect, test, sort, sample, or weigh nonagricultural raw materials or processed, machined, fabricated, or assembled parts or products for defects, wear, and deviations from specifications. May use precision measuring instruments and complex test equipment.
- 51-9071 Jewelers and Precious Stone and Metal Workers**
Design, fabricate, adjust, repair, or appraise jewelry, gold, silver, other precious metals, or gems. Include diamond polishers and gem cutters and persons who perform precision casting and modeling of molds, casting metal in molds, or setting precious and semi-precious stones for jewelry and related products.
- 51-9081 Dental Laboratory Technicians**
Construct and repair full or partial dentures or dental appliances. Exclude "Dental Assistants" (31-9091).
- 51-9082 Medical Appliance Technicians**
Construct, fit, maintain, or repair medical supportive devices, such as braces, artificial limbs, joints, arch supports, and other surgical and medical appliances.
- 51-9083 Ophthalmic Laboratory Technicians**
Cut, grind, and polish eyeglasses, contact lenses, or other precision optical elements. Assemble and mount lenses into frames or process other optical elements. Include precision lens polishers or grinders, centerer-edgers, and lens mounters. Exclude "Opticians, Dispensing" (29-2081).
- 51-9111 Packaging and Filling Machine Operators and Tenders**
Operate or tend machines to prepare industrial or consumer products for storage or shipment. Include cannery workers who pack food products.
- 51-9121 Coating, Painting, and Spraying Machine Setters, Operators, and Tenders**
Set up, operate, or tend machines to coat or paint any of a wide variety of products including food, glassware, cloth, ceramics, metal, plastic, paper, or wood, with lacquer, silver, copper, rubber, varnish, glaze, enamel, oil, or rust-proofing materials. Exclude "Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic" (51-4193) and "Painters, Transportation Equipment" (51-9122).
- 51-9122 Painters, Transportation Equipment**
Operate or tend painting machines to paint surfaces of transportation equipment, such as automobiles, buses, trucks, trains, boats, and airplanes. Include painters in auto body repair facilities.
- 51-9123 Painting, Coating, and Decorating Workers**
Paint, coat, or decorate articles, such as furniture, glass, plateware, pottery, jewelry, cakes, toys, books, or leather. Exclude "Artists and Related Workers" (27-1011 through 27-1019), "Designers" (27-1021 through 27-1029), "Photographic Process Workers" (51-9131), and "Etchers and Engravers" (51-9194).

Occupational Definitions

- 51-9131 Photographic Process Workers**
Perform precision work involved in photographic processing, such as editing photographic negatives and prints, using photo-mechanical, chemical, or computerized methods.
- 51-9132 Photographic Processing Machine Operators**
Operate photographic processing machines, such as photographic printing machines, film developing machines, and mounting presses.
- 51-9191 Cementing and Gluing Machine Operators and Tenders**
Operate or tend cementing and gluing machines to join items for further processing or to form a completed product. Processes include joining veneer sheets into plywood; gluing paper; joining rubber and rubberized fabric parts, plastic, simulated leather, or other materials. Exclude "Shoe Machine Operators and Tenders" (51-6042).
- 51-9192 Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders**
Operate or tend machines to wash or clean products, such as barrels or kegs, glass items, tin plate, food, pulp, coal, plastic, or rubber, to remove impurities.
- 51-9193 Cooling and Freezing Equipment Operators and Tenders**
Operate or tend equipment, such as cooling and freezing units, refrigerators, batch freezers, and freezing tunnels, to cool or freeze products, food, blood plasma, and chemicals.
- 51-9194 Etchers and Engravers**
Engrave or etch metal, wood, rubber, or other materials for identification or decorative purposes. Include such workers as etcher-circuit processors, pantograph engravers, and silk screen etchers. Include photoengravers with "Prepress Technicians and Workers" (51-5022).
- 51-9195 Molders, Shapers, and Casters, Except Metal and Plastic**
Mold, shape, form, cast, or carve products such as food products, figurines, tile, pipes, and candles consisting of clay, glass, plaster, concrete, stone, or combinations of materials.
- 51-9196 Paper Goods Machine Setters, Operators, and Tenders**
Set up, operate, or tend paper goods machines that perform a variety of functions, such as converting, sawing, corrugating, banding, wrapping, boxing, stitching, forming, or sealing paper or paperboard sheets into products.
- 51-9197 Helpers-Production Workers**
Help production workers by performing duties of lesser skill. Duties include supplying or holding materials or tools, and cleaning work area and equipment. Exclude apprentice workers and report them with the appropriate production occupation (51-1011 through 51-9199).
- 51-9198 Helpers--Production Workers**
Help production workers by performing duties of lesser skill. Duties include supplying or holding materials or tools, and cleaning work area and equipment. Exclude apprentice workers and report them with the appropriate production occupation (51-1011 through 51-9199).
- 51-9199 Production Workers, All Other**
All production workers not listed separately.
- 53-0000 Transportation and Material Moving Occupations**

Occupational Definitions

- 53-1011 Aircraft Cargo Handling Supervisors**
Direct ground crew in the loading, unloading, securing, and staging of aircraft cargo or baggage. Determine the quantity and orientation of cargo and compute aircraft center of gravity. May accompany aircraft as member of flight crew and monitor and handle cargo in flight, and assist and brief passengers on safety and emergency procedures. Include loadmasters.
- 53-1021 First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand**
Supervise and coordinate the activities of helpers, laborers, or material movers.
- 53-1031 First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators**
Directly supervise and coordinate activities of transportation and material-moving machine and vehicle operators and helpers.
- 53-2011 Airline Pilots, Copilots, and Flight Engineers**
Pilot and navigate the flight of multi-engine aircraft in regularly scheduled service for the transport of passengers and cargo. Requires Federal Air Transport rating and certification in specific aircraft type used. Include aircraft instructors with similar certification.
- 53-2012 Commercial Pilots**
Pilot and navigate the flight of small fixed or rotary winged aircraft, primarily for the transport of cargo and passengers. Requires Commercial Rating. Include aircraft instructors with similar certification.
- 53-2021 Air Traffic Controllers**
Control air traffic on and within vicinity of airport and movement of air traffic between altitude sectors and control centers according to established procedures and policies. Authorize, regulate, and control commercial airline flights according to government or company regulations to expedite and ensure flight safety.
- 53-2022 Airfield Operations Specialists**
Ensure the safe takeoff and landing of commercial and military aircraft. Duties include coordination between air-traffic control and maintenance personnel; dispatching; using airfield landing and navigational aids; implementing airfield safety procedures; monitoring and maintaining flight records; and applying knowledge of weather information.
- 53-2099 All Other Air Transportation Workers**
- 53-3011 Ambulance Drivers and Attendants, Except Emergency Medical Technicians**
Drive ambulance or assist ambulance driver in transporting sick, injured, or convalescent persons. Assist in lifting patients.
- 53-3021 Bus Drivers, Transit and Intercity**
Drive bus or motor coach, including regular route operations, charters, and private carriage. May assist passengers with baggage. May collect fares or tickets.
- 53-3022 Bus Drivers, School**
Transport students or special clients, such as the elderly or persons with disabilities. Ensure adherence to safety rules. May assist passengers in boarding or exiting.

Occupational Definitions

- 53-3031 Driver/Sales Workers**
Drive truck or other vehicle over established routes or within an established territory and sell goods, such as food products, including restaurant take-out items, or pick up and deliver items, such as laundry. May also take orders and collect payments. Include newspaper delivery drivers. Exclude "Truck Drivers, Light or Delivery Services" (53-3033) and "Coin, Vending, and Amusement Machine Servicers and Repairers" (49-9091).
- 53-3032 Truck Drivers, Heavy and Tractor-Trailer**
Drive a tractor-trailer combination or a truck with a capacity of at least 26,000 GVW, to transport and deliver goods, livestock, or materials in liquid, loose, or packaged form. May be required to unload truck. May require use of automated routing equipment. Requires commercial drivers' license.
- 53-3033 Truck Drivers, Light Or Delivery Services**
Drive a truck or van with a capacity of under 26,000 GVW, primarily to deliver or pick up merchandise or to deliver packages within a specified area. May require use of automatic routing or location software. May load and unload truck. Exclude "Couriers and Messengers" (43-5021).
- 53-3041 Taxi Drivers and Chauffeurs**
Drive automobiles, vans, or limousines to transport passengers. May occasionally carry cargo. Include hearse drivers. Exclude "Ambulance Drivers and Attendants, Except Emergency Medical Technicians" (53-3011) and "Bus Drivers" (53-3021 through 53-3022).
- 53-3099 Motor Vehicle Operators, All Other**
All motor vehicle operators not listed separately.
- 53-4000 Rail Transportation Workers**
- 53-4011 Locomotive Engineers**
Drive electric, diesel-electric, steam, or gas-turbine-electric locomotives to transport passengers or freight. Interpret train orders, electronic or manual signals, and railroad rules and regulations.
- 53-4013 Rail Yard Engineers, Dinkey Operators, and Hostlers**
Drive switching or other locomotive or dinkey engines within railroad yard, industrial plant, quarry, construction project, or similar location.
- 53-4021 Railroad Brake, Signal, and Switch Operators**
Operate railroad track switches. Couple or uncouple rolling stock to make up or break up trains. Signal engineers by hand or flagging. May inspect couplings, air hoses, journal boxes, and hand brakes.
- 53-4031 Railroad Conductors and Yardmasters**
Conductors coordinate activities of train crew on passenger or freight train. Coordinate activities of switch-engine crew within yard of railroad, industrial plant, or similar location. Yardmasters coordinate activities of workers engaged in railroad traffic operations, such as the makeup or breakup of trains, yard switching, and review train schedules and switching orders.
- 53-5000 Water Transportation Workers**

Occupational Definitions

- 53-5011 Sailors and Marine Oilers**
Stand watch to look for obstructions in path of vessel, measure water depth, turn wheel on bridge, or use emergency equipment as directed by captain, mate, or pilot. Break out, rig, overhaul, and store cargo-handling gear, stationary rigging, and running gear. Perform a variety of maintenance tasks to preserve the painted surface of the ship and to maintain line and ship equipment. Must hold government-issued certification and tanker-man certification when working aboard liquid-carrying vessels. Include able seamen and ordinary seamen.
- 53-5022 Motorboat Operators**
Operate small motor-driven boats to carry passengers and freight between ships, or ship to shore. May patrol harbors and beach areas. May assist in navigational activities.
- 53-5031 Ship Engineers**
Supervise and coordinate activities of crew engaged in operating and maintaining engines, boilers, deck machinery, and electrical, sanitary, and refrigeration equipment aboard ship.
- 53-5099 All Other Water Transportation Workers**
- 53-6011 Bridge and Lock Tenders**
Operate and tend bridges, canal locks, and lighthouses to permit marine passage on inland waterways, near shores, and at danger points in waterway passages. May supervise such operations. Include drawbridge operators, lock tenders and operators, and slip bridge operators.
- 53-6021 Parking Lot Attendants**
Park automobiles or issue tickets for customers in a parking lot or garage. May collect fee.
- 53-6031 Service Station Attendants**
Service automobiles, buses, trucks, boats, and other automotive or marine vehicles with fuel, lubricants, and accessories. Collect payment for services and supplies. May lubricate vehicle, change motor oil, install antifreeze, or replace lights or other accessories, such as windshield wiper blades or fan belts. May repair or replace tires.
- 53-6041 Traffic Technicians**
Conduct field studies to determine traffic volume, speed, effectiveness of signals, adequacy of lighting, and other factors influencing traffic conditions, under direction of traffic engineer.
- 53-6051 Transportation Inspectors**
Inspect equipment or goods in connection with the safe transport of cargo or people. Include rail transport inspectors, such as freight inspectors, car inspectors, rail inspectors, and other non-precision inspectors of other types of transportation vehicles.
- 53-6099 Transportation Workers, All Others**
All transportation workers not listed separately.
- 53-7000 Material Moving Workers**
- 53-7011 Conveyor Operators and Tenders**
Control or tend conveyors or conveyor systems that move materials or products to and from stockpiles, processing stations, departments, or vehicles. May control speed and routing of materials or products.

Occupational Definitions

- 53-7021 Crane and Tower Operators**
Operate mechanical boom and cable or tower and cable equipment to lift and move materials, machines, or products in many directions. Exclude "Excavating and Loading Machine and Dragline Operators" (53-7032).
- 53-7031 Dredge Operators**
Operate dredge to remove sand, gravel, or other materials from lakes, rivers, or streams; and to excavate and maintain navigable channels in waterways.
- 53-7032 Excavating and Loading Machine and Dragline Operators**
Operate or tend machinery equipped with scoops, shovels, or buckets, to excavate and load loose materials. Exclude "Dredge Operators" (53-7031).
- 53-7033 Loading Machine Operators, Underground Mining**
Operate underground loading machine to load coal, ore, or rock into shuttle or mine car or onto conveyors. Loading equipment may include power shovels, hoisting engines equipped with cable-drawn scraper or scoop, or machines equipped with gathering arms and conveyor.
- 53-7041 Hoist and Winch Operators**
Operate or tend hoists or winches to lift and pull loads using power-operated cable equipment. Exclude "Crane and Tower Operators" (53-7021).
- 53-7051 Industrial Truck and Tractor Operators**
Operate industrial trucks or tractors equipped to move materials around a warehouse, storage yard, factory, construction site, or similar location. Exclude "Logging Equipment Operators" (45-4022).
- 53-7061 Cleaners of Vehicles and Equipment**
Wash or otherwise clean vehicles, machinery, and other equipment. Use such materials as water, cleaning agents, brushes, cloths, and hoses. Exclude "Janitors and Cleaners, Except Maids and Housekeeping Cleaners" (37-2011).
- 53-7062 Laborers and Freight, Stock, and Material Movers, Hand**
Manually move freight, stock, or other materials or perform other unskilled general labor. Include all unskilled manual laborers not elsewhere classified. Exclude "Material Moving Workers" (53-7011 through 53-7199) who use power equipment. Exclude "Construction Laborers" (47-2061) and "Construction Trades Helpers" (47-3011 through 47-3019).
- 53-7063 Machine Feeders and Offbearers**
Feed materials into or remove materials from machines or equipment that is automatic or tended by other workers.
- 53-7064 Packers and Packagers, Hand**
Pack or package by hand a wide variety of products and materials.
- 53-7071 Gas Compressor and Gas Pumping Station Operators**
Operate steam, gas, electric motor, or internal combustion engine driven compressors. Transmit, compress, or recover gases, such as butane, nitrogen, hydrogen, and natural gas.
- 53-7072 Pump Operators, Except Wellhead Pumps**
Tend, control, or operate power-driven, stationary, or portable pumps and manifold systems to transfer gases, oil, other liquids, slurries, or powdered materials to and from various vessels and processes.

Occupational Definitions

53-7073

Wellhead Pumpers

Operate power pumps and auxiliary equipment to produce flow of oil or gas from wells in oil field.

53-7081

Refuse and Recyclable Material Collectors

Collect and dump refuse or recyclable materials from containers into truck. May drive truck.

53-7121

Tank Car, Truck, and Ship Loaders

Load and unload chemicals and bulk solids, such as coal, sand, and grain into or from tank cars, trucks, or ships using material moving equipment. May perform a variety of other tasks relating to shipment of products. May gauge or sample shipping tanks and test them for leaks.