

OKLAHOMA LONG-TERM INDUSTRY EMPLOYMENT PROJECTIONS, 2008 - 2018

Industry Title	Employment		Employment Change	
	2008	2018	Numeric	Percent
Total Employment¹	1,750,130	1,928,790	178,670	10.21%
Goods-Producing	314,370	337,960	23,590	7.50%
Natural Resources and Mining	88,290	92,850	4,560	5.17%
Construction	75,560	91,630	16,070	21.26%
Manufacturing	150,520	153,480	2,960	1.97%
Services-Providing	1,319,060	1,465,160	146,100	11.08%
Trade, Transportation, and Utilities	289,740	308,830	19,090	6.59%
Information	28,960	27,220	-1,740	-6.02%
Financial Activities	83,110	86,650	3,540	4.25%
Professional and Business Services	184,250	217,370	33,120	17.97%
Education and Health Services	356,210	408,040	51,830	14.55%
Leisure and Hospitality	143,770	160,990	17,230	11.98%
Other Services (Except Government)	65,740	70,530	4,800	7.30%
Government	167,280	185,530	18,250	10.91%
Total Self-Employed and Unpaid Family Workers²	116,690	125,680	8,980	7.70%
Self-Employed Workers	114,790	123,670	8,880	7.73%
Unpaid Family Workers	1,900	2,010	110	5.74%
Agriculture³	36,200	36,180	-20	-0.06%
Mining	52,090	56,680	4,580	8.80%
Oil and Gas Extraction	19,810	20,270	460	2.33%
Mining (except Oil and Gas)	2,360	2,580	220	9.33%
Support Activities for Mining	29,930	33,830	3,900	13.04%
Utilities	10,870	11,540	670	6.14%

Industry Title	Employment		Employment Change	
	2008	2018	Numeric	Percent
Construction	75,560	91,630	16,070	21.26%
Construction of Buildings	16,080	16,370	290	1.79%
Heavy and Civil Engineering Construction	12,490	13,600	1,100	8.82%
Specialty Trade Contractors	46,990	61,670	14,680	31.23%
Manufacturing	150,520	153,480	2,960	1.97%
Food Manufacturing	19,650	19,710	70	0.35%
Beverage and Tobacco Product Manufacturing	2,510	2,980	470	18.88%
Textile Mills	160	180	20	9.20%
Textile Product Mills	720	580	-150	-20.58%
Apparel Manufacturing	1,050	780	-270	-25.69%
Leather and Allied Product Manufacturing	290	260	-30	-9.69%
Wood Product Manufacturing	3,140	2,950	-190	-6.18%
Paper Manufacturing	2,950	2,270	-680	-23.08%
Printing and Related Support Activities	3,600	2,950	-650	-18.03%
Petroleum and Coal Products Manufacturing	2,470	2,860	390	15.84%
Chemical Manufacturing	2,870	2,720	-150	-5.16%
Plastics and Rubber Products Manufacturing	10,560	9,910	-650	-6.16%
Nonmetallic Mineral Product Manufacturing	8,480	8,590	100	1.23%
Primary Metal Manufacturing	4,930	5,660	720	14.68%
Fabricated Metal Product Manufacturing	24,090	24,620	520	2.18%
Machinery Manufacturing	30,900	35,610	4,710	15.24%
Computer and Electronic Product Manufacturing	6,330	6,630	300	4.76%
Electrical Equipment, Appliance, and Component Manufacturing	3,170	3,020	-150	-4.86%
Transportation Equipment Manufacturing	15,670	14,250	-1,430	-9.09%
Furniture and Related Product Manufacturing	2,540	2,600	60	2.36%
Miscellaneous Manufacturing	4,430	4,370	-70	-1.47%
Wholesale Trade	59,780	62,300	2,530	4.23%
Merchant Wholesalers, Durable Goods	30,070	32,820	2,750	9.16%
Merchant Wholesalers, Nondurable Goods	23,640	23,810	170	0.70%
Wholesale Electronic Markets and Agents and Brokers	6,070	5,670	-390	-6.49%
Retail Trade	173,280	186,210	12,930	7.46%
Motor Vehicle and Parts Dealers	23,530	22,260	-1,270	-5.39%
Furniture and Home Furnishings Stores	5,150	5,960	810	15.78%

Industry Title	Employment		Employment Change	
	2008	2018	Numeric	Percent
Electronics and Appliance Stores	4,530	3,730	-800	-17.67%
Building Material and Garden Equipment and Supplies Dealers	15,280	19,920	4,640	30.36%
Food and Beverage Stores	21,630	18,890	-2,740	-12.67%
Health and Personal Care Stores	11,190	14,620	3,430	30.62%
Gasoline Stations	13,860	15,300	1,440	10.36%
Clothing and Clothing Accessories Stores	11,710	12,470	760	6.53%
Sporting Goods, Hobby, Book, and Music Stores	6,940	7,480	540	7.84%
General Merchandise Stores	46,300	52,790	6,490	14.02%
Miscellaneous Store Retailers	11,140	11,190	50	0.46%
Nonstore Retailers	2,020	1,590	-430	-21.22%
Transportation and Warehousing	45,810	48,780	2,970	6.48%
Air Transportation	7,890	6,420	-1,470	-18.62%
Rail Transportation	1,840	1,840	0	0.00%
Truck Transportation	19,030	21,710	2,690	14.12%
Transit and Ground Passenger Transport	*	*	*	*
Pipeline Transportation	1,880	2,030	160	8.27%
Scenic and Sightseeing Transportation	*	*	*	*
Support Activities for Transportation	6,080	7,360	1,290	21.22%
Couriers and Messengers	4,270	4,330	60	1.45%
Warehousing and Storage	3,970	4,200	240	5.92%
Information	28,960	27,220	-1,740	-6.02%
Publishing Industries	7,260	6,310	-950	-13.09%
Motion Picture and Sound Recording Industries	1,960	2,000	40	2.10%
Broadcasting (except Internet)	3,640	3,110	-530	-14.49%
Telecommunications	13,900	13,610	-290	-2.08%
Internet Service Providers, Web Search Portals, and Data Processing Services	1,570	1,430	-140	-8.88%
Other Information Services	640	760	120	19.06%
Finance and Insurance	59,470	61,040	1,570	2.64%
Monetary Authorities - Central Bank	*	*	*	*
Credit Intermediation and Related Activities	32,180	33,070	890	2.77%
Securities, Commodity Contracts, and Other Financial Investments and Related Activities	4,710	5,740	1,030	21.75%
Insurance Carriers and Related Activities	22,210	21,900	-310	-1.40%
Funds, Trusts, and Other Financial Vehicles	*	*	*	*

Industry Title	Employment		Employment Change	
	2008	2018	Numeric	Percent
Real Estate and Rental and Leasing	23,650	25,610	1,970	8.31%
Real Estate	11,570	12,720	1,150	9.92%
Rental and Leasing Services	11,600	12,400	810	6.97%
Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)	480	490	10	1.87%
Professional, Scientific, and Technical Services	65,010	82,030	17,020	26.18%
Management of Companies and Enterprises	13,790	14,820	1,030	7.46%
Administrative and Support and Waste Management and Remediation Services	105,450	120,520	15,070	14.29%
Administrative and Support Services	102,350	117,330	14,980	14.64%
Waste Management and Remediation Service	3,100	3,190	80	2.67%
Educational Services	162,550	175,030	12,480	7.68%
Health Care and Social Assistance	193,660	233,010	39,350	20.32%
Ambulatory Health Care Services	65,690	82,120	16,440	25.02%
Hospitals	68,170	86,820	18,640	27.35%
Nursing and Residential Care Facilities	34,370	33,260	-1,110	-3.24%
Social Assistance	25,430	30,810	5,380	21.16%
Arts, Entertainment, and Recreation	18,670	21,360	2,690	14.39%
Performing Arts, Spectator Sports, and Related Industries	2,400	2,690	300	12.39%
Museums, Historical Sites, and Similar Institution	720	790	70	9.70%
Amusement, Gambling, and Recreation Industries	15,560	17,880	2,320	14.91%
Accommodation and Food Services	125,090	139,630	14,540	11.62%
Accommodation	11,630	12,930	1,300	11.13%
Food Services and Drinking Places	113,460	126,700	13,240	11.67%
Other Services (Except Government)	65,740	70,530	4,800	7.30%
Repair and Maintenance	14,230	16,770	2,540	17.85%
Personal and Laundry Services	13,580	15,850	2,260	16.67%
Religious, Grantmaking, Civic, Professional, and Similar Organizations	35,970	35,920	-40	-0.12%
Private Households	1,960	1,990	40	1.84%

Industry Title	Employment		Employment Change	
	2008	2018	Numeric	Percent
Government	167,280	185,530	18,250	10.91%
Federal Government	45,290	45,870	580	1.29%
Federal Government, Excluding Postal Service	37,020	37,940	920	2.49%
Postal Service	8,270	7,940	-340	-4.06%
State Government, Excluding Education and Hospitals	38,870	41,770	2,900	7.46%
Local Government, Excluding Education and Hospitals	83,120	97,890	14,760	17.76%

1 Total employment includes covered and non-covered employment, agricultural employment and self-employed and unpaid family workers. Covered employment data are from the BLS (Bureau of Labor Statistics) Quarterly Census of Employment and Wages program from Oklahoma Employment Security Commission. Non-covered employment data are average annual data from the BLS Current Employment Statistics program from Oklahoma Employment Security Commission. Employment estimates have been rounded to the nearest 10. Percent change is based on unrounded data.

2 Self-employed & unpaid family workers data are produced from the projection matrix system based on Oklahoma OES (Occupational Employment Statistics) survey and BLS Current Population Survey. The estimates of the number of self-employed in the base year are larger than these projections round than they were in previous rounds because the file supplied by the Bureau of Labor Statistics now includes estimates of all self-employed jobs (jobs held by people primarily self-employed plus jobs held by people secondarily self-employed).

3 Employment data for Agriculture are from the Census Bureau's American Community Survey 2008 and QCEW program.

* Employment data is withheld to maintain data confidentiality.

OKLAHOMA LONG-TERM OCCUPATIONAL OUTLOOK, 2008 - 2018

Occupation Code	Occupation Title	Employment		Employment Change 2008-2018		Average Annual Openings	Most Significant Source of Postsecondary Education or Training
		2008	2018	Numeric	Percent		
00-0000	Total, All Occupations	1,750,130	1,928,790	178,670	10.21%	59,190	
11-1011	Chief Executives	11,820	11,670	-150	-1.27%	330	Bachelor's or higher degree, plus work experience
11-1021	General and Operations Managers	27,940	27,720	-220	-0.79%	810	Bachelor's or higher degree, plus work experience
11-1031	Legislators	780	840	60	8.13%	30	Bachelor's or higher degree, plus work experience
11-2011	Advertising and Promotions Managers	590	570	-30	-4.22%	10	Bachelor's or higher degree, plus work experience
11-2021	Marketing Managers	1,390	1,480	90	6.69%	40	Bachelor's or higher degree, plus work experience
11-2022	Sales Managers	2,890	3,300	410	14.33%	100	Bachelor's or higher degree, plus work experience
11-2031	Public Relations Managers	670	710	40	5.65%	20	Bachelor's or higher degree, plus work experience
11-3011	Administrative Services Managers	4,700	5,160	460	9.73%	140	Bachelor's or higher degree, plus work experience
11-3021	Computer and Information Systems Managers	2,260	2,470	210	9.35%	60	Bachelor's or higher degree, plus work experience
11-3031	Financial Managers	5,740	6,190	440	7.68%	150	Bachelor's or higher degree, plus work experience
11-3041	Compensation and Benefits Managers	800	880	80	9.98%	30	Bachelor's or higher degree, plus work experience
11-3042	Training and Development Managers	470	530	60	12.34%	20	Bachelor's or higher degree, plus work experience
11-3049	Human Resources Managers, All Other	670	730	60	8.18%	20	Bachelor's or higher degree, plus work experience
11-3051	Industrial Production Managers	2,570	2,660	90	3.55%	100	Work experience in a related occupation
11-3061	Purchasing Managers	910	970	60	6.85%	30	Bachelor's or higher degree, plus work experience
11-3071	Transportation, Storage, and Distribution Managers	1,130	1,080	-50	-4.70%	30	Work experience in a related occupation
11-9011	Farm, Ranch, and Other Agricultural Managers	6,750	7,290	540	8.05%	190	Bachelor's or higher degree, plus work experience
11-9021	Construction Managers	5,520	6,150	630	11.45%	110	Bachelor's degree
11-9031	Education Administrators, Preschool and Child Care Center/Program	840	890	50	6.09%	30	Bachelor's or higher degree, plus work experience
11-9032	Education Administrators, Elementary and Secondary School	2,930	3,220	290	9.80%	120	Bachelor's or higher degree, plus work experience
11-9033	Education Administrators, Postsecondary	980	950	-30	-2.65%	30	Bachelor's or higher degree, plus work experience
11-9039	Education Administrators, All Other	190	210	30	13.51%	10	Bachelor's or higher degree, plus work experience
11-9041	Engineering Managers	1,610	1,770	160	9.83%	50	Bachelor's or higher degree, plus work experience
11-9051	Food Service Managers	5,120	5,560	440	8.68%	140	Work experience in a related occupation
11-9061	Funeral Directors	500	570	70	13.77%	20	Associate degree
11-9071	Gaming Managers	210	250	40	20.98%	10	Work experience in a related occupation
11-9111	Medical and Health Services Managers	4,550	5,330	770	17.00%	160	Bachelor's or higher degree, plus work experience
11-9121	Natural Sciences Managers	200	210	10	3.45%	10	Bachelor's or higher degree, plus work experience
11-9131	Postmasters and Mail Superintendents	570	530	-40	-7.73%	10	Work experience in a related occupation
11-9141	Property, Real Estate, and Community Association Managers	5,030	5,300	270	5.31%	110	Bachelor's degree
11-9151	Social and Community Service Managers	2,110	2,250	140	6.68%	60	Bachelor's degree
11-9199	Managers, All Other	3,020	3,140	120	4.11%	90	Work experience in a related occupation
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	100	120	20	21.43%	0	Bachelor's or higher degree, plus work experience
13-1021	Purchasing Agents and Buyers, Farm Products	200	190	-10	-4.57%	0	Long-term on-the-job training
13-1022	Wholesale and Retail Buyers, Except Farm Products	1,650	1,620	-30	-1.52%	40	Long-term on-the-job training
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	3,590	4,240	650	18.10%	160	Long-term on-the-job training
13-1031	Claims Adjusters, Examiners, and Investigators	3,760	3,880	130	3.36%	110	Long-term on-the-job training
13-1032	Insurance Appraisers, Auto Damage	180	170	-10	-5.03%	10	Postsecondary vocational training
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and	2,570	3,310	740	28.85%	100	Long-term on-the-job training
13-1051	Cost Estimators	1,770	2,280	520	29.28%	90	Bachelor's degree
13-1061	Emergency Management Specialists	260	320	70	26.67%	10	Work experience in a related occupation
13-1071	Employment, Recruitment, and Placement Specialists	1,800	2,110	300	16.81%	80	Bachelor's degree
13-1072	Compensation, Benefits, and Job Analysis Specialists	1,460	1,720	260	17.65%	60	Bachelor's degree
13-1073	Training and Development Specialists	3,520	4,420	890	25.39%	180	Bachelor's degree

Occupation Code	Occupation Title	Employment		Employment Change 2008-2018		Average Annual Openings	Most Significant Source of Postsecondary Education or Training
		2008	2018	Numeric	Percent		
13-1079	Human Resources, Training, and Labor Relations Specialists, All Other	1,240	1,460	220	17.79%	50	Bachelor's degree
13-1081	Logisticians	2,040	2,320	280	13.50%	70	Bachelor's degree
13-1111	Management Analysts	5,740	5,960	220	3.74%	120	Bachelor's or higher degree, plus work experience
13-1121	Meeting and Convention Planners	340	390	50	13.20%	10	Bachelor's degree
13-1199	Business Operations Specialists, All Other	5,570	5,750	180	3.20%	140	Bachelor's degree
13-2011	Accountants and Auditors	17,520	21,170	3,660	20.88%	660	Bachelor's degree
13-2021	Appraisers and Assessors of Real Estate	1,140	1,280	130	11.65%	30	Associate degree
13-2031	Budget Analysts	720	830	110	15.12%	20	Bachelor's degree
13-2041	Credit Analysts	680	750	70	10.72%	20	Bachelor's degree
13-2051	Financial Analysts	1,410	1,660	250	17.53%	50	Bachelor's degree
13-2052	Personal Financial Advisors	1,350	1,840	490	36.38%	60	Bachelor's degree
13-2053	Insurance Underwriters	1,420	1,300	-120	-8.23%	40	Bachelor's degree
13-2061	Financial Examiners	230	320	80	35.04%	10	Bachelor's degree
13-2071	Loan Counselors	810	810	10	0.62%	10	Bachelor's degree
13-2072	Loan Officers	4,880	5,290	410	8.31%	90	Moderate-term on-the-job training
13-2081	Tax Examiners, Collectors, and Revenue Agents	780	880	90	11.99%	40	Bachelor's degree
13-2082	Tax Preparers	1,070	1,220	150	13.98%	30	Moderate-term on-the-job training
13-2099	Financial Specialists, All Other	230	240	10	4.42%	10	Bachelor's degree
15-1011	Computer and Information Scientists, Research	150	170	20	14.47%	10	Doctoral degree
15-1021	Computer Programmers	3,760	3,450	-310	-8.14%	70	Bachelor's degree
15-1031	Computer Software Engineers, Applications	2,720	3,660	940	34.46%	120	Bachelor's degree
15-1032	Computer Software Engineers, Systems Software	1,920	2,390	470	24.26%	60	Bachelor's degree
15-1041	Computer Support Specialists	7,810	8,140	330	4.27%	250	Associate degree
15-1051	Computer Systems Analysts	3,840	4,500	660	17.16%	150	Bachelor's degree
15-1061	Database Administrators	1,000	1,160	170	16.53%	30	Bachelor's degree
15-1071	Network and Computer Systems Administrators	2,780	3,210	430	15.37%	90	Bachelor's degree
15-1081	Network Systems and Data Communications Analysts	2,420	3,620	1,200	49.57%	160	Bachelor's degree
15-1099	Computer Specialists, All Other	1,230	1,290	60	4.98%	30	Associate degree
15-2011	Actuaries	60	60	0	1.64%	0	Bachelor's or higher degree, plus work experience
15-2031	Operations Research Analysts	610	680	70	12.03%	30	Master's degree
15-2041	Statisticians	190	210	10	7.22%	10	Master's degree
17-1011	Architects, Except Landscape and Naval	960	1,170	210	21.58%	40	Bachelor's degree
17-1012	Landscape Architects	80	90	20	21.33%	0	Bachelor's degree
17-1021	Cartographers and Photogrammetrists	180	230	50	28.02%	10	Bachelor's degree
17-1022	Surveyors	540	650	110	19.89%	30	Bachelor's degree
17-2011	Aerospace Engineers	630	670	40	6.37%	20	Bachelor's degree
17-2041	Chemical Engineers	120	120	0	-1.63%	0	Bachelor's degree
17-2051	Civil Engineers	1,670	2,120	450	26.84%	70	Bachelor's degree
17-2061	Computer Hardware Engineers	380	420	50	12.50%	20	Bachelor's degree
17-2071	Electrical Engineers	1,470	1,640	170	11.74%	50	Bachelor's degree
17-2072	Electronics Engineers, Except Computer	1,840	1,950	120	6.43%	50	Bachelor's degree
17-2081	Environmental Engineers	400	450	50	12.34%	10	Bachelor's degree
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	430	470	40	9.86%	20	Bachelor's degree
17-2112	Industrial Engineers	1,370	1,710	340	25.07%	70	Bachelor's degree
17-2131	Materials Engineers	180	210	30	15.22%	10	Bachelor's degree
17-2141	Mechanical Engineers	2,150	2,420	280	12.96%	80	Bachelor's degree
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	220	250	30	14.93%	10	Bachelor's degree
17-2171	Petroleum Engineers	1,940	2,500	560	28.84%	100	Bachelor's degree
17-2199	Engineers, All Other	950	1,070	110	11.95%	30	Bachelor's degree
17-3011	Architectural and Civil Drafters	1,060	1,180	120	11.29%	40	Postsecondary vocational training

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17-3012	Electrical and Electronics Drafters	390	420	40	9.30%	10	Postsecondary vocational training
17-3013	Mechanical Drafters	1,320	1,450	130	9.88%	40	Postsecondary vocational training
17-3019	Drafters, All Other	90	90	0	1.08%	0	Postsecondary vocational training
17-3022	Civil Engineering Technicians	990	1,280	290	29.42%	50	Associate degree
17-3023	Electrical and Electronic Engineering Technicians	1,950	2,090	140	7.28%	50	Associate degree
17-3024	Electro-Mechanical Technicians	220	270	60	26.98%	10	Associate degree
17-3025	Environmental Engineering Technicians	320	370	50	15.58%	10	Associate degree
17-3027	Mechanical Engineering Technicians	530	590	60	11.22%	20	Associate degree
17-3029	Engineering Technicians, Except Drafters, All Other	780	830	50	6.01%	20	Associate degree
17-3031	Surveying and Mapping Technicians	800	940	140	17.46%	30	Moderate-term on-the-job training
19-1012	Food Scientists and Technologists	100	110	10	7.69%	10	Bachelor's degree
19-1023	Zoologists and Wildlife Biologists	90	90	0	-2.13%	0	Bachelor's degree
19-1029	Biological Scientists, All Other	190	210	20	11.05%	10	Doctoral degree
19-1031	Conservation Scientists	230	240	10	4.85%	0	Bachelor's degree
19-1032	Foresters	60	60	10	9.09%	0	Bachelor's degree
19-1041	Epidemiologists	60	80	10	17.19%	0	Master's degree
19-1099	Life Scientists, All Other	240	240	0	0.42%	10	Bachelor's degree
19-2021	Atmospheric and Space Scientists	220	230	10	2.74%	10	Bachelor's degree
19-2031	Chemists	360	400	40	10.64%	20	Bachelor's degree
19-2042	Geoscientists, Except Hydrologists and Geographers	1,310	1,540	230	17.45%	60	Master's degree
19-2043	Hydrologists	50	60	10	9.26%	0	Master's degree
19-2099	Physical Scientists, All Other	170	170	0	0.00%	0	Bachelor's degree
19-3011	Economists	60	70	0	4.76%	0	Master's degree
19-3021	Market Research Analysts	2,040	2,460	420	20.69%	100	Bachelor's degree
19-3022	Survey Researchers	180	230	50	29.28%	10	Bachelor's degree
19-3031	Clinical, Counseling, and School Psychologists	1,780	1,970	190	10.91%	70	Doctoral degree
19-3039	Psychologists, All Other	150	160	10	7.89%	10	Master's degree
19-3051	Urban and Regional Planners	270	330	60	21.72%	10	Master's degree
19-3093	Historians	70	90	10	19.72%	10	Master's degree
19-3099	Social Scientists and Related Workers, All Other	120	140	20	13.82%	10	Master's degree
19-4011	Agricultural and Food Science Technicians	180	180	0	0.00%	10	Associate degree
19-4021	Biological Technicians	580	610	30	4.97%	20	Bachelor's degree
19-4031	Chemical Technicians	350	380	40	11.01%	10	Associate degree
19-4041	Geological and Petroleum Technicians	990	1,200	210	21.03%	60	Associate degree
19-4091	Environmental Science and Protection Technicians, Including Health	260	300	40	13.26%	20	Associate degree
19-4092	Forensic Science Technicians	120	150	30	20.33%	10	Bachelor's degree
19-4093	Forest and Conservation Technicians	210	210	10	2.93%	10	Associate degree
19-4099	Life, Physical, and Social Science Technicians, All Other	310	310	10	2.61%	10	Associate degree
21-1011	Substance Abuse and Behavioral Disorder Counselors	1,720	1,980	260	15.18%	60	Bachelor's degree
21-1012	Educational, Vocational, and School Counselors	3,390	3,690	300	8.84%	100	Master's degree
21-1013	Marriage and Family Therapists	380	410	30	8.42%	10	Master's degree
21-1014	Mental Health Counselors	1,240	1,450	210	17.30%	50	Master's degree
21-1015	Rehabilitation Counselors	1,540	1,650	110	6.96%	40	Master's degree
21-1019	Counselors, All Other	150	160	20	12.33%	10	Master's degree
21-1021	Child, Family, and School Social Workers	4,750	5,110	350	7.45%	150	Bachelor's degree
21-1022	Medical and Public Health Social Workers	1,450	1,740	290	20.28%	70	Bachelor's degree
21-1023	Mental Health and Substance Abuse Social Workers	1,160	1,310	150	13.14%	40	Master's degree
21-1029	Social Workers, All Other	860	930	70	8.29%	30	Bachelor's degree
21-1091	Health Educators	900	1,040	130	14.82%	30	Bachelor's degree
21-1092	Probation Officers and Correctional Treatment Specialists	860	1,030	170	20.33%	40	Bachelor's degree

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21-1093	Social and Human Service Assistants	2,720	3,010	290	10.48%	90	Moderate-term on-the-job training
21-1099	Community and Social Service Specialists, All Other	670	700	30	4.19%	20	Bachelor's degree
21-2011	Clergy	570	620	50	7.84%	20	Master's degree
23-1011	Lawyers	8,100	8,680	580	7.20%	210	First professional degree
23-1023	Judges, Magistrate Judges, and Magistrates	450	450	0	-0.89%	10	Bachelor's or higher degree, plus work experience
23-2011	Paralegals and Legal Assistants	2,690	3,160	470	17.58%	80	Associate degree
23-2091	Court Reporters	510	570	60	11.81%	10	Postsecondary vocational training
23-2092	Law Clerks	310	340	30	10.65%	10	Bachelor's degree
23-2093	Title Examiners, Abstractors, and Searchers	1,710	1,750	30	1.93%	30	Moderate-term on-the-job training
23-2099	Legal Support Workers, All Other	230	240	10	4.89%	0	Moderate-term on-the-job training
25-2011	Preschool Teachers, Except Special Education	5,240	5,840	610	11.55%	170	Postsecondary vocational training
25-2012	Kindergarten Teachers, Except Special Education	2,340	2,730	380	16.25%	90	Bachelor's degree
25-2021	Elementary School Teachers, Except Special Education	18,000	21,080	3,080	17.12%	720	Bachelor's degree
25-2022	Middle School Teachers, Except Special and Vocational Education	7,570	8,830	1,270	16.72%	300	Bachelor's degree
25-2031	Secondary School Teachers, Except Special and Vocational Education	11,860	13,060	1,190	10.05%	460	Bachelor's degree
25-2032	Vocational Education Teachers, Secondary School	1,370	1,540	170	12.34%	60	Bachelor's or higher degree, plus work experience
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	2,490	2,980	490	19.74%	110	Bachelor's degree
25-2043	Special Education Teachers, Secondary School	1,290	1,480	190	14.47%	50	Bachelor's degree
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	1,420	1,560	140	10.09%	40	Bachelor's degree
25-3021	Self-Enrichment Education Teachers	1,590	1,870	280	17.60%	50	Work experience in a related occupation
25-3099	Teachers and Instructors, All Other	7,770	8,440	660	8.54%	190	Bachelor's degree
25-4011	Archivists	80	80	0	1.20%	0	Master's degree
25-4012	Curators	70	80	10	12.68%	0	Master's degree
25-4021	Librarians	2,470	2,610	150	5.96%	80	Master's degree
25-4031	Library Technicians	1,980	2,190	210	10.76%	110	Postsecondary vocational training
25-9011	Audio-Visual Collections Specialists	110	110	10	7.62%	0	Bachelor's degree
25-9031	Instructional Coordinators	1,280	1,450	170	13.28%	50	Master's degree
25-9041	Teacher Assistants	12,420	13,600	1,180	9.54%	380	Short-term on-the-job training
27-1011	Art Directors	570	560	-10	-2.26%	10	Bachelor's or higher degree, plus work experience
27-1012	Craft Artists	90	80	-10	-11.76%	0	Long-term on-the-job training
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	150	160	10	9.33%	0	Long-term on-the-job training
27-1014	Multi-Media Artists and Animators	80	80	0	-2.44%	0	Bachelor's degree
27-1021	Commercial and Industrial Designers	650	650	10	1.24%	20	Bachelor's degree
27-1023	Floral Designers	880	920	40	3.98%	30	Short-term on-the-job training
27-1024	Graphic Designers	2,080	2,190	120	5.54%	80	Bachelor's degree
27-1025	Interior Designers	250	270	20	6.72%	10	Associate degree
27-1026	Merchandise Displayers and Window Trimmers	640	660	30	3.94%	20	Moderate-term on-the-job training
27-1027	Set and Exhibit Designers	90	100	10	5.49%	0	Bachelor's degree
27-2012	Producers and Directors	520	470	-50	-9.73%	20	Bachelor's or higher degree, plus work experience
27-2022	Coaches and Scouts	2,600	3,170	570	21.96%	110	Long-term on-the-job training
27-2023	Umpires, Referees, and Other Sports Officials	170	190	20	10.00%	10	Long-term on-the-job training
27-2032	Choreographers	70	70	0	2.94%	0	Work experience in a related occupation
27-2042	Musicians and Singers	190	190	0	1.60%	0	Long-term on-the-job training
27-3011	Radio and Television Announcers	890	670	-230	-25.42%	30	Long-term on-the-job training
27-3021	Broadcast News Analysts	120	120	0	2.54%	0	Bachelor's degree
27-3022	Reporters and Correspondents	690	570	-120	-17.05%	20	Bachelor's degree
27-3031	Public Relations Specialists	2,150	2,450	290	13.56%	80	Bachelor's degree
27-3041	Editors	980	920	-60	-6.31%	30	Bachelor's degree
27-3042	Technical Writers	330	410	80	25.77%	10	Bachelor's degree
27-3043	Writers and Authors	2,290	2,230	-60	-2.80%	50	Bachelor's degree

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27-3091	Interpreters and Translators	270	330	60	20.15%	10	Long-term on-the-job training
27-4011	Audio and Video Equipment Technicians	540	600	70	12.90%	20	Postsecondary vocational training
27-4012	Broadcast Technicians	370	320	-50	-13.78%	10	Associate degree
27-4021	Photographers	2,020	2,610	580	28.80%	100	Long-term on-the-job training
27-4031	Camera Operators, Television, Video, and Motion Picture	220	200	-20	-9.72%	10	Bachelor's degree
27-4099	Media and Communication Equipment Workers, All Other	50	50	0	2.04%	0	Moderate-term on-the-job training
29-1011	Chiropractors	1,000	1,130	130	12.86%	30	First professional degree
29-1021	Dentists, General	1,330	1,420	90	6.71%	50	First professional degree
29-1023	Orthodontists	140	160	20	12.86%	10	First professional degree
29-1031	Dietitians and Nutritionists	730	810	80	10.93%	30	Bachelor's degree
29-1041	Optometrists	640	750	110	17.95%	30	First professional degree
29-1051	Pharmacists	3,260	4,130	870	26.56%	160	First professional degree
29-1071	Physician Assistants	1,130	1,520	400	35.35%	60	Master's degree
29-1111	Registered Nurses	27,920	35,600	7,670	27.48%	1,260	Associate degree
29-1121	Audiologists	170	200	30	14.53%	10	First professional degree
29-1123	Physical Therapists	1,970	2,510	550	27.84%	80	Master's degree
29-1124	Radiation Therapists	330	450	130	38.11%	20	Associate degree
29-1125	Recreational Therapists	370	430	50	14.25%	20	Bachelor's degree
29-1126	Respiratory Therapists	1,180	1,550	370	31.19%	60	Associate degree
29-1127	Speech-Language Pathologists	1,300	1,470	170	12.77%	40	Master's degree
29-1129	Therapists, All Other	110	110	10	6.60%	0	Bachelor's degree
29-1131	Veterinarians	790	1,100	310	39.34%	50	First professional degree
29-1199	Health Diagnosing and Treating Practitioners, All Other	360	410	50	14.21%	10	Bachelor's degree
29-2011	Medical and Clinical Laboratory Technologists	1,790	2,160	360	20.25%	70	Bachelor's degree
29-2012	Medical and Clinical Laboratory Technicians	1,610	1,900	290	18.15%	60	Associate degree
29-2021	Dental Hygienists	1,620	2,030	410	25.18%	70	Associate degree
29-2031	Cardiovascular Technologists and Technicians	620	850	230	36.44%	30	Associate degree
29-2032	Diagnostic Medical Sonographers	510	630	130	24.56%	20	Associate degree
29-2033	Nuclear Medicine Technologists	230	290	60	24.45%	10	Associate degree
29-2034	Radiologic Technologists and Technicians	2,410	2,960	560	23.16%	90	Associate degree
29-2041	Emergency Medical Technicians and Paramedics	2,280	2,530	250	10.88%	70	Postsecondary vocational training
29-2051	Dietetic Technicians	580	670	90	15.65%	20	Postsecondary vocational training
29-2052	Pharmacy Technicians	4,210	5,900	1,690	40.25%	280	Moderate-term on-the-job training
29-2053	Psychiatric Technicians	950	1,070	120	12.40%	40	Postsecondary vocational training
29-2054	Respiratory Therapy Technicians	340	380	40	11.80%	10	Postsecondary vocational training
29-2055	Surgical Technologists	1,470	1,980	510	35.09%	90	Postsecondary vocational training
29-2056	Veterinary Technologists and Technicians	630	910	280	43.44%	40	Associate degree
29-2061	Licensed Practical and Licensed Vocational Nurses	14,090	16,330	2,240	15.91%	670	Postsecondary vocational training
29-2071	Medical Records and Health Information Technicians	3,010	3,580	580	19.16%	120	Associate degree
29-2099	Health Technologists and Technicians, All Other	440	530	90	21.36%	20	Postsecondary vocational training
29-9011	Occupational Health and Safety Specialists	1,190	1,320	130	11.08%	50	Bachelor's degree
29-9012	Occupational Health and Safety Technicians	160	170	20	10.32%	10	Associate degree
31-1011	Home Health Aides	8,440	11,630	3,190	37.80%	400	Short-term on-the-job training
31-1012	Nursing Aides, Orderlies, and Attendants	19,000	20,830	1,820	9.59%	370	Postsecondary vocational training
31-1013	Psychiatric Aides	830	920	90	10.56%	20	Short-term on-the-job training
31-2011	Occupational Therapist Assistants	460	590	120	26.51%	20	Associate degree
31-2012	Occupational Therapist Aides	240	320	80	31.67%	10	Short-term on-the-job training
31-2021	Physical Therapist Assistants	1,240	1,600	370	29.48%	60	Associate degree
31-2022	Physical Therapist Aides	660	880	220	33.99%	30	Short-term on-the-job training
31-9091	Dental Assistants	3,880	4,810	940	24.15%	170	Moderate-term on-the-job training

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31-9092	Medical Assistants	5,980	7,390	1,410	23.59%	210	Moderate-term on-the-job training
31-9094	Medical Transcriptionists	1,400	1,620	220	15.62%	40	Postsecondary vocational training
31-9095	Pharmacy Aides	720	760	40	4.99%	10	Short-term on-the-job training
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	1,070	1,530	460	42.59%	60	Short-term on-the-job training
31-9099	Healthcare Support Workers, All Other	1,590	1,870	270	17.06%	50	Short-term on-the-job training
33-1011	First-Line Supervisors/Managers of Correctional Officers	750	840	90	11.33%	40	Work experience in a related occupation
33-1012	First-Line Supervisors/Managers of Police and Detectives	1,290	1,500	220	16.95%	80	Work experience in a related occupation
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	870	1,030	160	18.35%	60	Work experience in a related occupation
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	350	400	50	15.47%	20	Work experience in a related occupation
33-2011	Fire Fighters	5,000	6,320	1,330	26.52%	290	Long-term on-the-job training
33-3011	Bailiffs	390	420	40	9.02%	10	Moderate-term on-the-job training
33-3012	Correctional Officers and Jailers	6,540	7,560	1,010	15.50%	250	Moderate-term on-the-job training
33-3021	Detectives and Criminal Investigators	1,270	1,440	170	13.59%	40	Work experience in a related occupation
33-3031	Fish and Game Wardens	250	270	20	9.16%	10	Associate degree
33-3051	Police and Sheriff's Patrol Officers	8,160	9,510	1,350	16.60%	350	Long-term on-the-job training
33-9021	Private Detectives and Investigators	500	610	110	22.31%	20	Work experience in a related occupation
33-9031	Gaming Surveillance Officers and Gaming Investigators	450	540	80	18.32%	20	Moderate-term on-the-job training
33-9032	Security Guards	10,460	11,760	1,300	12.45%	350	Short-term on-the-job training
33-9091	Crossing Guards	510	620	100	20.23%	20	Short-term on-the-job training
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	860	930	70	8.29%	70	Short-term on-the-job training
35-1011	Chefs and Head Cooks	1,030	1,070	40	4.08%	10	Work experience in a related occupation
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	9,900	10,880	980	9.90%	190	Work experience in a related occupation
35-2011	Cooks, Fast Food	13,930	15,550	1,620	11.62%	520	Short-term on-the-job training
35-2012	Cooks, Institution and Cafeteria	8,570	8,930	360	4.23%	260	Moderate-term on-the-job training
35-2014	Cooks, Restaurant	10,370	11,570	1,210	11.63%	390	Long-term on-the-job training
35-2015	Cooks, Short Order	2,070	2,150	80	3.86%	60	Short-term on-the-job training
35-2021	Food Preparation Workers	8,630	9,050	420	4.87%	350	Short-term on-the-job training
35-3011	Bartenders	3,990	4,460	470	11.69%	190	Short-term on-the-job training
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	24,890	29,500	4,610	18.53%	990	Short-term on-the-job training
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	4,500	5,070	570	12.67%	390	Short-term on-the-job training
35-3031	Waiters and Waitresses	28,180	30,990	2,810	9.97%	1,840	Short-term on-the-job training
35-3041	Food Servers, Nonrestaurant	2,260	2,500	250	10.94%	60	Short-term on-the-job training
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	4,220	4,610	390	9.14%	220	Short-term on-the-job training
35-9021	Dishwashers	5,520	6,340	820	14.90%	310	Short-term on-the-job training
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	2,720	2,760	30	1.17%	30	Work experience in a related occupation
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Grounds	2,510	2,790	280	11.25%	60	Work experience in a related occupation
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	23,430	24,150	710	3.04%	510	Short-term on-the-job training
37-2012	Maids and Housekeeping Cleaners	11,920	12,010	90	0.75%	220	Short-term on-the-job training
37-2019	Building Cleaning Workers, All Other	170	200	30	15.38%	10	Short-term on-the-job training
37-2021	Pest Control Workers	1,020	1,120	100	9.74%	50	Moderate-term on-the-job training
37-3011	Landscaping and Groundskeeping Workers	11,830	13,640	1,820	15.38%	320	Short-term on-the-job training
37-3013	Tree Trimmers and Pruners	970	1,220	260	26.74%	40	Short-term on-the-job training
39-1011	Gaming Supervisors	770	960	190	23.99%	40	Work experience in a related occupation
39-1012	Slot Key Persons	740	800	70	8.96%	20	Postsecondary vocational training
39-1021	First-Line Supervisors/Managers of Personal Service Workers	1,260	1,360	100	7.79%	40	Work experience in a related occupation
39-3011	Gaming Dealers	1,540	1,860	330	21.29%	100	Postsecondary vocational training
39-3012	Gaming and Sports Book Writers and Runners	670	740	70	10.16%	40	Short-term on-the-job training
39-3021	Motion Picture Projectionists	100	100	-10	-7.69%	0	Short-term on-the-job training
39-3031	Ushers, Lobby Attendants, and Ticket Takers	750	790	40	5.35%	50	Short-term on-the-job training
39-3091	Amusement and Recreation Attendants	2,670	3,050	370	14.00%	180	Short-term on-the-job training

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39-3093	Locker Room, Coatroom, and Dressing Room Attendants	80	90	10	15.38%	10	Short-term on-the-job training
39-3099	Entertainment Attendants and Related Workers, All Other	770	940	180	22.79%	60	Moderate-term on-the-job training
39-4011	Embalmers	190	200	10	6.35%	10	Postsecondary vocational training
39-4021	Funeral Attendants	400	540	140	36.11%	30	Short-term on-the-job training
39-5012	Hairdressers, Hairstylists, and Cosmetologists	4,780	5,670	890	18.59%	160	Postsecondary vocational training
39-5092	Manicurists and Pedicurists	210	250	40	20.10%	10	Postsecondary vocational training
39-5094	Skin Care Specialists	80	90	10	16.00%	0	Postsecondary vocational training
39-6011	Baggage Porters and Bellhops	250	320	70	27.67%	10	Short-term on-the-job training
39-6021	Tour Guides and Escorts	150	150	10	3.45%	10	Moderate-term on-the-job training
39-9011	Child Care Workers	13,180	13,710	530	4.05%	440	Short-term on-the-job training
39-9021	Personal and Home Care Aides	9,180	12,110	2,920	31.83%	410	Short-term on-the-job training
39-9031	Fitness Trainers and Aerobics Instructors	3,140	3,830	690	21.86%	130	Postsecondary vocational training
39-9032	Recreation Workers	3,260	3,620	360	10.95%	100	Short-term on-the-job training
39-9041	Residential Advisors	570	550	-20	-3.66%	20	Short-term on-the-job training
39-9099	Personal Care and Service Workers, All Other	250	280	30	12.10%	10	Short-term on-the-job training
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	21,720	23,920	2,200	10.15%	690	Work experience in a related occupation
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	3,650	3,870	220	6.11%	100	Work experience in a related occupation
41-2011	Cashiers	41,370	45,170	3,800	9.18%	2,240	Short-term on-the-job training
41-2012	Gaming Change Persons and Booth Cashiers	1,260	1,180	-80	-6.26%	60	Short-term on-the-job training
41-2021	Counter and Rental Clerks	4,060	4,240	180	4.49%	130	Short-term on-the-job training
41-2022	Parts Salespersons	4,280	4,300	20	0.54%	150	Moderate-term on-the-job training
41-2031	Retail Salespersons	54,270	60,770	6,500	11.97%	2,160	Short-term on-the-job training
41-3011	Advertising Sales Agents	1,600	1,650	50	2.87%	40	Moderate-term on-the-job training
41-3021	Insurance Sales Agents	5,740	6,180	440	7.61%	180	Postsecondary vocational training
41-3031	Securities, Commodities, and Financial Services Sales Agents	1,510	1,740	240	15.65%	70	Bachelor's degree
41-3041	Travel Agents	690	800	110	16.20%	20	Postsecondary vocational training
41-3099	Sales Representatives, Services, All Other	2,580	2,930	350	13.66%	100	Work experience in a related occupation
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific	6,650	7,220	570	8.57%	210	Work experience in a related occupation
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific	13,240	14,170	930	7.02%	400	Work experience in a related occupation
41-9011	Demonstrators and Product Promoters	490	540	40	8.70%	20	Moderate-term on-the-job training
41-9021	Real Estate Brokers	1,550	1,630	80	4.90%	30	Work experience in a related occupation
41-9022	Real Estate Sales Agents	6,510	7,150	640	9.83%	170	Postsecondary vocational training
41-9031	Sales Engineers	390	400	20	3.86%	20	Bachelor's degree
41-9041	Telemarketers	4,500	3,620	-880	-19.63%	110	Short-term on-the-job training
41-9099	Sales and Related Workers, All Other	690	790	100	14.02%	30	Moderate-term on-the-job training
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	17,480	19,440	1,960	11.23%	590	Work experience in a related occupation
43-2011	Switchboard Operators, Including Answering Service	2,410	2,180	-230	-9.70%	50	Short-term on-the-job training
43-3011	Bill and Account Collectors	6,030	7,240	1,200	19.96%	230	Short-term on-the-job training
43-3021	Billing and Posting Clerks and Machine Operators	8,180	9,600	1,420	17.36%	280	Short-term on-the-job training
43-3031	Bookkeeping, Accounting, and Auditing Clerks	34,310	38,180	3,870	11.29%	800	Moderate-term on-the-job training
43-3041	Gaming Cage Workers	460	430	-30	-6.29%	10	Short-term on-the-job training
43-3051	Payroll and Timekeeping Clerks	3,410	3,180	-230	-6.75%	80	Moderate-term on-the-job training
43-3061	Procurement Clerks	1,820	1,920	110	5.83%	70	Moderate-term on-the-job training
43-3071	Tellers	8,710	9,080	370	4.28%	400	Short-term on-the-job training
43-4011	Brokerage Clerks	230	230	0	0.43%	10	Moderate-term on-the-job training
43-4021	Correspondence Clerks	370	310	-60	-16.12%	10	Short-term on-the-job training
43-4031	Court, Municipal, and License Clerks	2,090	2,570	480	22.86%	110	Short-term on-the-job training
43-4041	Credit Authorizers, Checkers, and Clerks	420	400	-20	-5.49%	10	Short-term on-the-job training
43-4051	Customer Service Representatives	27,790	31,990	4,200	15.13%	1,300	Moderate-term on-the-job training
43-4061	Eligibility Interviewers, Government Programs	670	750	80	12.56%	20	Moderate-term on-the-job training

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43-4071	File Clerks	3,100	2,320	-780	-25.07%	80	Short-term on-the-job training
43-4081	Hotel, Motel, and Resort Desk Clerks	2,080	2,480	400	19.40%	110	Short-term on-the-job training
43-4111	Interviewers, Except Eligibility and Loan	2,140	2,640	500	23.50%	100	Short-term on-the-job training
43-4121	Library Assistants, Clerical	1,630	1,830	200	12.28%	90	Short-term on-the-job training
43-4131	Loan Interviewers and Clerks	2,460	2,480	20	0.85%	60	Short-term on-the-job training
43-4141	New Accounts Clerks	940	930	-10	-1.38%	30	Work experience in a related occupation
43-4151	Order Clerks	3,680	2,680	-1,010	-27.33%	100	Short-term on-the-job training
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	2,200	2,040	-160	-7.09%	60	Short-term on-the-job training
43-4171	Receptionists and Information Clerks	12,110	13,480	1,370	11.30%	460	Short-term on-the-job training
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	2,260	2,300	40	1.86%	60	Short-term on-the-job training
43-4199	Information and Record Clerks, All Other	1,780	1,490	-290	-16.33%	50	Short-term on-the-job training
43-5011	Cargo and Freight Agents	310	340	30	8.01%	10	Moderate-term on-the-job training
43-5021	Couriers and Messengers	1,100	1,100	0	-0.18%	30	Short-term on-the-job training
43-5031	Police, Fire, and Ambulance Dispatchers	1,690	2,180	490	28.69%	80	Moderate-term on-the-job training
43-5032	Dispatchers, Except Police, Fire, and Ambulance	2,820	2,870	50	1.81%	60	Moderate-term on-the-job training
43-5041	Meter Readers, Utilities	970	880	-80	-8.70%	30	Short-term on-the-job training
43-5051	Postal Service Clerks	760	670	-90	-11.21%	20	Short-term on-the-job training
43-5052	Postal Service Mail Carriers	4,150	4,460	310	7.37%	160	Short-term on-the-job training
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	1,720	1,310	-420	-24.25%	20	Short-term on-the-job training
43-5061	Production, Planning, and Expediting Clerks	3,580	3,790	210	5.96%	110	Moderate-term on-the-job training
43-5071	Shipping, Receiving, and Traffic Clerks	9,670	9,370	-300	-3.05%	240	Short-term on-the-job training
43-5081	Stock Clerks and Order Fillers	17,560	18,700	1,140	6.51%	520	Short-term on-the-job training
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	770	700	-70	-9.21%	30	Short-term on-the-job training
43-6011	Executive Secretaries and Administrative Assistants	16,150	17,590	1,440	8.90%	360	Work experience in a related occupation
43-6012	Legal Secretaries	2,150	2,320	170	7.87%	50	Associate degree
43-6013	Medical Secretaries	4,270	5,260	990	23.20%	160	Moderate-term on-the-job training
43-6014	Secretaries, Except Legal, Medical, and Executive	24,370	24,620	250	1.03%	350	Moderate-term on-the-job training
43-9011	Computer Operators	1,780	1,250	-530	-29.91%	20	Moderate-term on-the-job training
43-9021	Data Entry Keyers	3,130	2,800	-320	-10.36%	70	Moderate-term on-the-job training
43-9022	Word Processors and Typists	690	620	-70	-10.69%	10	Moderate-term on-the-job training
43-9031	Desktop Publishers	160	140	-20	-13.29%	0	Postsecondary vocational training
43-9041	Insurance Claims and Policy Processing Clerks	2,660	2,650	-20	-0.64%	40	Moderate-term on-the-job training
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	1,320	1,120	-200	-14.99%	20	Short-term on-the-job training
43-9061	Office Clerks, General	40,950	44,630	3,680	8.98%	930	Short-term on-the-job training
43-9071	Office Machine Operators, Except Computer	500	430	-70	-14.34%	20	Short-term on-the-job training
43-9081	Proofreaders and Copy Markers	130	110	-20	-16.54%	0	Short-term on-the-job training
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	1,520	1,640	120	7.98%	50	Work experience in a related occupation
45-2011	Agricultural Inspectors	170	180	20	8.93%	10	Work experience in a related occupation
45-2021	Animal Breeders	820	820	-10	-0.61%	20	Work experience in a related occupation
45-2041	Graders and Sorters, Agricultural Products	660	630	-30	-4.24%	10	Work experience in a related occupation
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	15,450	15,190	-260	-1.66%	420	Short-term on-the-job training
45-2093	Farmworkers, Farm and Ranch Animals	4,890	4,950	50	1.08%	140	Short-term on-the-job training
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Work	11,270	12,630	1,350	12.01%	350	Work experience in a related occupation
47-2011	Boilermakers	400	510	110	27.05%	20	Long-term on-the-job training
47-2021	Brickmasons and Blockmasons	910	1,100	190	20.53%	40	Long-term on-the-job training
47-2022	Stonemasons	280	320	40	15.52%	10	Long-term on-the-job training
47-2031	Carpenters	10,000	10,850	850	8.54%	210	Long-term on-the-job training
47-2041	Carpet Installers	550	600	60	10.09%	20	Moderate-term on-the-job training
47-2043	Floor Sanders and Finishers	260	310	50	20.62%	10	Moderate-term on-the-job training
47-2044	Tile and Marble Setters	780	920	140	17.26%	30	Long-term on-the-job training

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47-2051	Cement Masons and Concrete Finishers	3,990	4,660	670	16.82%	170	Moderate-term on-the-job training
47-2061	Construction Laborers	16,340	18,520	2,170	13.29%	330	Moderate-term on-the-job training
47-2071	Paving, Surfacing, and Tamping Equipment Operators	2,020	2,280	260	12.70%	60	Moderate-term on-the-job training
47-2073	Operating Engineers and Other Construction Equipment Operators	4,880	5,570	690	14.20%	150	Moderate-term on-the-job training
47-2081	Drywall and Ceiling Tile Installers	1,760	2,080	320	18.08%	50	Moderate-term on-the-job training
47-2111	Electricians	7,880	9,360	1,480	18.71%	340	Long-term on-the-job training
47-2121	Glaziers	750	910	170	22.68%	40	Long-term on-the-job training
47-2131	Insulation Workers, Floor, Ceiling, and Wall	270	320	50	19.40%	10	Moderate-term on-the-job training
47-2132	Insulation Workers, Mechanical	410	530	110	27.36%	30	Moderate-term on-the-job training
47-2141	Painters, Construction and Maintenance	5,010	5,510	500	10.01%	140	Moderate-term on-the-job training
47-2151	Pipelayers	1,020	1,220	200	19.47%	40	Short-term on-the-job training
47-2152	Plumbers, Pipefitters, and Steamfitters	6,210	7,530	1,320	21.20%	260	Long-term on-the-job training
47-2161	Plasterers and Stucco Masons	220	240	20	9.22%	10	Long-term on-the-job training
47-2171	Reinforcing Iron and Rebar Workers	90	90	0	0.00%	0	Long-term on-the-job training
47-2181	Roofers	1,470	1,650	170	11.83%	40	Moderate-term on-the-job training
47-2211	Sheet Metal Workers	3,890	4,340	450	11.58%	140	Long-term on-the-job training
47-2221	Structural Iron and Steel Workers	810	930	110	13.78%	20	Long-term on-the-job training
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Set	390	490	100	24.30%	20	Short-term on-the-job training
47-3012	Helpers--Carpenters	670	760	100	14.29%	20	Short-term on-the-job training
47-3013	Helpers--Electricians	1,690	2,240	560	33.10%	90	Short-term on-the-job training
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	80	90	0	4.82%	0	Short-term on-the-job training
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	1,090	1,470	390	35.35%	60	Short-term on-the-job training
47-3016	Helpers--Roofers	90	90	0	0.00%	0	Short-term on-the-job training
47-3019	Helpers, Construction Trades, All Other	410	460	50	11.84%	10	Short-term on-the-job training
47-4011	Construction and Building Inspectors	1,100	1,350	250	22.27%	50	Work experience in a related occupation
47-4021	Elevator Installers and Repairers	170	200	30	17.86%	10	Long-term on-the-job training
47-4031	Fence Erectors	230	280	60	26.22%	10	Moderate-term on-the-job training
47-4051	Highway Maintenance Workers	3,200	3,750	560	17.36%	140	Moderate-term on-the-job training
47-4061	Rail-Track Laying and Maintenance Equipment Operators	190	200	10	3.63%	10	Moderate-term on-the-job training
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	360	430	70	18.13%	20	Moderate-term on-the-job training
47-5011	Derrick Operators, Oil and Gas	3,220	3,570	350	10.75%	90	Moderate-term on-the-job training
47-5012	Rotary Drill Operators, Oil and Gas	3,520	3,910	390	10.96%	100	Moderate-term on-the-job training
47-5013	Service Unit Operators, Oil, Gas, and Mining	2,160	2,620	460	21.10%	80	Moderate-term on-the-job training
47-5021	Earth Drillers, Except Oil and Gas	580	650	80	13.19%	20	Moderate-term on-the-job training
47-5031	Explosives Workers, Ordnance Handling Experts, and Blasters	410	420	10	3.46%	10	Moderate-term on-the-job training
47-5042	Mine Cutting and Channeling Machine Operators	80	90	10	15.58%	0	Moderate-term on-the-job training
47-5051	Rock Splitters, Quarry	310	330	20	6.54%	10	Moderate-term on-the-job training
47-5071	Roustabouts, Oil and Gas	5,400	6,540	1,130	21.00%	210	Moderate-term on-the-job training
47-5081	Helpers--Extraction Workers	1,310	1,290	-20	-1.22%	20	Short-term on-the-job training
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	5,520	5,950	420	7.68%	190	Work experience in a related occupation
49-2011	Computer, Automated Teller, and Office Machine Repairers	1,300	1,260	-30	-2.54%	20	Postsecondary vocational training
49-2021	Radio Mechanics	120	100	-20	-14.17%	0	Postsecondary vocational training
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Install	2,110	2,280	170	8.02%	50	Postsecondary vocational training
49-2092	Electric Motor, Power Tool, and Related Repairers	400	460	60	16.20%	20	Postsecondary vocational training
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	1,450	1,700	250	17.51%	50	Postsecondary vocational training
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	350	450	110	30.92%	20	Postsecondary vocational training
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	180	170	-10	-6.52%	0	Postsecondary vocational training
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	370	370	0	0.54%	10	Postsecondary vocational training
49-2098	Security and Fire Alarm Systems Installers	960	1,260	290	30.59%	50	Postsecondary vocational training
49-3011	Aircraft Mechanics and Service Technicians	5,670	5,480	-190	-3.39%	110	Postsecondary vocational training

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49-3021	Automotive Body and Related Repairers	2,970	3,250	280	9.46%	110	Long-term on-the-job training
49-3023	Automotive Service Technicians and Mechanics	8,740	9,420	680	7.73%	240	Postsecondary vocational training
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	3,880	4,210	330	8.53%	120	Postsecondary vocational training
49-3041	Farm Equipment Mechanics	450	530	80	17.82%	20	Long-term on-the-job training
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	1,670	1,920	260	15.44%	60	Long-term on-the-job training
49-3043	Rail Car Repairers	150	160	10	6.04%	0	Long-term on-the-job training
49-3051	Motorboat Mechanics	230	240	20	8.44%	10	Long-term on-the-job training
49-3052	Motorcycle Mechanics	400	430	30	7.30%	10	Long-term on-the-job training
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	540	650	110	20.59%	20	Moderate-term on-the-job training
49-3092	Recreational Vehicle Service Technicians	230	240	10	3.93%	10	Long-term on-the-job training
49-3093	Tire Repairers and Changers	1,350	1,320	-20	-1.63%	30	Short-term on-the-job training
49-9011	Mechanical Door Repairers	390	500	110	28.17%	20	Moderate-term on-the-job training
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	790	840	50	6.05%	20	Moderate-term on-the-job training
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	3,570	4,970	1,400	39.35%	200	Postsecondary vocational training
49-9031	Home Appliance Repairers	470	500	30	5.96%	10	Long-term on-the-job training
49-9041	Industrial Machinery Mechanics	4,890	6,040	1,150	23.45%	190	Long-term on-the-job training
49-9042	Maintenance and Repair Workers, General	16,910	18,830	1,920	11.36%	450	Moderate-term on-the-job training
49-9043	Maintenance Workers, Machinery	1,180	1,360	170	14.53%	40	Moderate-term on-the-job training
49-9044	Millwrights	230	230	10	3.08%	10	Long-term on-the-job training
49-9045	Refractory Materials Repairers, Except Brickmasons	90	90	0	3.33%	0	Moderate-term on-the-job training
49-9051	Electrical Power-Line Installers and Repairers	1,820	2,060	250	13.61%	90	Long-term on-the-job training
49-9052	Telecommunications Line Installers and Repairers	1,730	1,830	100	5.72%	40	Long-term on-the-job training
49-9061	Camera and Photographic Equipment Repairers	110	90	-20	-15.74%	0	Long-term on-the-job training
49-9062	Medical Equipment Repairers	480	680	200	41.20%	30	Associate degree
49-9069	Precision Instrument and Equipment Repairers, All Other	220	230	10	4.52%	10	Moderate-term on-the-job training
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	880	950	70	8.21%	40	Moderate-term on-the-job training
49-9096	Riggers	50	50	0	4.00%	0	Short-term on-the-job training
49-9098	Helpers--Installation, Maintenance, and Repair Workers	2,460	2,680	220	9.11%	140	Short-term on-the-job training
49-9099	Installation, Maintenance, and Repair Workers, All Other	1,310	1,420	100	7.84%	30	Moderate-term on-the-job training
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	9,000	9,410	410	4.54%	160	Work experience in a related occupation
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	1,010	1,130	120	12.17%	30	Moderate-term on-the-job training
51-2021	Coil Winders, Tapers, and Finishers	290	260	-30	-10.80%	0	Short-term on-the-job training
51-2022	Electrical and Electronic Equipment Assemblers	2,220	2,310	90	4.24%	40	Short-term on-the-job training
51-2023	Electromechanical Equipment Assemblers	330	350	20	5.18%	10	Short-term on-the-job training
51-2031	Engine and Other Machine Assemblers	570	640	60	11.17%	20	Short-term on-the-job training
51-2041	Structural Metal Fabricators and Fitters	2,160	2,390	230	10.70%	70	Moderate-term on-the-job training
51-2091	Fiberglass Laminators and Fabricators	280	280	0	0.35%	10	Moderate-term on-the-job training
51-2092	Team Assemblers	16,980	17,940	960	5.62%	480	Moderate-term on-the-job training
51-2099	Assemblers and Fabricators, All Other	1,110	1,090	-20	-1.44%	30	Moderate-term on-the-job training
51-3011	Bakers	1,390	1,390	0	0.00%	40	Long-term on-the-job training
51-3021	Butchers and Meat Cutters	1,250	1,190	-70	-5.18%	40	Long-term on-the-job training
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	620	630	10	1.13%	20	Short-term on-the-job training
51-3023	Slaughterers and Meat Packers	2,950	3,080	130	4.48%	110	Moderate-term on-the-job training
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	550	540	0	-0.55%	20	Short-term on-the-job training
51-3092	Food Batchmakers	660	730	70	10.18%	20	Short-term on-the-job training
51-3093	Food Cooking Machine Operators and Tenders	580	630	50	8.08%	20	Short-term on-the-job training
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	1,460	1,660	200	13.48%	50	Moderate-term on-the-job training
51-4012	Numerical Tool and Process Control Programmers	260	270	10	2.29%	10	Work experience in a related occupation
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and	790	810	20	2.93%	20	Moderate-term on-the-job training
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	220	210	-10	-5.94%	0	Moderate-term on-the-job training

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51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	570	550	-20	-3.51%	10	Moderate-term on-the-job training
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	2,870	2,680	-200	-6.82%	60	Moderate-term on-the-job training
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	600	500	-100	-16.19%	10	Moderate-term on-the-job training
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	1,360	1,290	-70	-5.31%	20	Moderate-term on-the-job training
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	1,160	1,040	-120	-10.42%	20	Moderate-term on-the-job training
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	590	570	-20	-3.74%	10	Moderate-term on-the-job training
51-4041	Machinists	7,070	7,540	470	6.65%	140	Long-term on-the-job training
51-4051	Metal-Refining Furnace Operators and Tenders	160	180	20	13.21%	10	Moderate-term on-the-job training
51-4052	Pourers and Casters, Metal	150	180	20	13.64%	10	Moderate-term on-the-job training
51-4071	Foundry Mold and Coremakers	230	240	10	3.00%	10	Moderate-term on-the-job training
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders	1,100	1,130	30	2.27%	30	Moderate-term on-the-job training
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	880	800	-80	-9.30%	20	Moderate-term on-the-job training
51-4111	Tool and Die Makers	420	440	20	4.31%	10	Long-term on-the-job training
51-4121	Welders, Cutters, Solderers, and Brazers	12,240	13,250	1,010	8.23%	480	Postsecondary vocational training
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	730	790	60	8.20%	30	Postsecondary vocational training
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	420	430	10	1.65%	20	Moderate-term on-the-job training
51-4192	Lay-Out Workers, Metal and Plastic	200	210	10	4.43%	10	Moderate-term on-the-job training
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	480	480	0	0.41%	10	Moderate-term on-the-job training
51-4194	Tool Grinders, Filers, and Sharpeners	340	390	50	13.49%	20	Moderate-term on-the-job training
51-4199	Metal Workers and Plastic Workers, All Other	170	160	-10	-5.29%	0	Moderate-term on-the-job training
51-5011	Bindery Workers	480	370	-110	-23.60%	10	Short-term on-the-job training
51-5022	Prepress Technicians and Workers	620	510	-110	-17.50%	10	Postsecondary vocational training
51-5023	Printing Machine Operators	1,490	1,400	-90	-6.11%	30	Moderate-term on-the-job training
51-6011	Laundry and Dry-Cleaning Workers	3,190	3,260	70	2.04%	60	Moderate-term on-the-job training
51-6021	Pressers, Textile, Garment, and Related Materials	850	830	-20	-2.47%	0	Short-term on-the-job training
51-6031	Sewing Machine Operators	1,080	930	-150	-13.86%	10	Moderate-term on-the-job training
51-6052	Tailors, Dressmakers, and Custom Sewers	150	160	10	3.97%	0	Long-term on-the-job training
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	60	50	-10	-13.56%	0	Moderate-term on-the-job training
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Plastic Materials	320	250	-70	-23.20%	0	Moderate-term on-the-job training
51-6092	Fabric and Apparel Patternmakers	50	50	0	-7.69%	0	Long-term on-the-job training
51-6093	Upholsterers	280	320	30	11.97%	10	Long-term on-the-job training
51-7011	Cabinetmakers and Bench Carpenters	1,660	1,800	140	8.35%	50	Long-term on-the-job training
51-7021	Furniture Finishers	120	110	0	-3.42%	0	Long-term on-the-job training
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	550	550	0	0.73%	10	Moderate-term on-the-job training
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	330	350	30	7.98%	10	Moderate-term on-the-job training
51-8012	Power Distributors and Dispatchers	120	130	10	11.76%	10	Long-term on-the-job training
51-8013	Power Plant Operators	420	490	70	16.51%	20	Long-term on-the-job training
51-8021	Stationary Engineers and Boiler Operators	220	250	30	13.64%	10	Long-term on-the-job training
51-8031	Water and Liquid Waste Treatment Plant and System Operators	2,180	2,820	640	29.60%	110	Long-term on-the-job training
51-8092	Gas Plant Operators	490	530	40	8.45%	20	Long-term on-the-job training
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	2,130	2,420	290	13.59%	80	Long-term on-the-job training
51-9011	Chemical Equipment Operators and Tenders	480	470	-10	-1.86%	0	Moderate-term on-the-job training
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	350	400	40	12.15%	10	Moderate-term on-the-job training
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	800	820	30	3.52%	20	Moderate-term on-the-job training
51-9022	Grinding and Polishing Workers, Hand	740	860	120	15.61%	30	Moderate-term on-the-job training
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	1,230	1,460	230	18.49%	40	Moderate-term on-the-job training
51-9031	Cutters and Trimmers, Hand	220	220	0	-0.45%	10	Short-term on-the-job training
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	860	910	60	6.67%	20	Moderate-term on-the-job training
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	6,890	7,230	340	4.87%	150	Moderate-term on-the-job training
51-9071	Jewelers and Precious Stone and Metal Workers	240	250	10	3.72%	10	Postsecondary vocational training

Occupation Code	Occupation Title	Employment		Employment Change 2008-2018		Average Annual Openings	Most Significant Source of Postsecondary Education or Training
		2008	2018	Numeric	Percent		
51-9081	Dental Laboratory Technicians	400	390	0	-1.01%	10	Moderate-term on-the-job training
51-9083	Ophthalmic Laboratory Technicians	400	440	40	9.18%	10	Moderate-term on-the-job training
51-9111	Packaging and Filling Machine Operators and Tenders	3,440	3,380	-60	-1.80%	60	Short-term on-the-job training
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	2,180	2,530	350	16.03%	90	Moderate-term on-the-job training
51-9122	Painters, Transportation Equipment	770	830	60	7.50%	30	Moderate-term on-the-job training
51-9123	Painting, Coating, and Decorating Workers	400	490	90	23.00%	20	Short-term on-the-job training
51-9131	Photographic Process Workers	210	220	10	5.85%	10	Short-term on-the-job training
51-9132	Photographic Processing Machine Operators	630	470	-160	-25.55%	20	Short-term on-the-job training
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	280	280	0	0.36%	10	Moderate-term on-the-job training
51-9193	Cooling and Freezing Equipment Operators and Tenders	170	190	20	11.38%	10	Moderate-term on-the-job training
51-9194	Etchers and Engravers	90	90	0	1.18%	0	Long-term on-the-job training
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	780	820	40	5.01%	40	Moderate-term on-the-job training
51-9196	Paper Goods Machine Setters, Operators, and Tenders	1,260	1,010	-250	-19.98%	30	Moderate-term on-the-job training
51-9198	Helpers--Production Workers	8,430	8,730	300	3.55%	180	Short-term on-the-job training
51-9199	Production Workers, All Other	1,740	1,760	20	1.26%	40	Moderate-term on-the-job training
53-1011	Aircraft Cargo Handling Supervisors	80	70	-10	-10.00%	0	Work experience in a related occupation
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, I	2,120	2,300	180	8.38%	60	Work experience in a related occupation
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Mac	3,310	3,120	-200	-5.89%	60	Work experience in a related occupation
53-2011	Airline Pilots, Copilots, and Flight Engineers	200	200	0	-1.00%	10	Bachelor's degree
53-2012	Commercial Pilots	330	330	0	-0.30%	10	Postsecondary vocational training
53-2021	Air Traffic Controllers	430	490	60	14.05%	20	Long-term on-the-job training
53-2022	Airfield Operations Specialists	120	140	20	18.64%	10	Long-term on-the-job training
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	230	250	20	10.22%	10	Moderate-term on-the-job training
53-3021	Bus Drivers, Transit and Intercity	1,070	1,150	90	8.06%	30	Moderate-term on-the-job training
53-3022	Bus Drivers, School	4,710	4,740	30	0.59%	90	Moderate-term on-the-job training
53-3031	Driver/Sales Workers	5,440	5,870	430	7.91%	140	Short-term on-the-job training
53-3032	Truck Drivers, Heavy and Tractor-Trailer	26,990	31,300	4,310	15.96%	910	Short-term on-the-job training
53-3033	Truck Drivers, Light or Delivery Services	10,460	11,210	750	7.16%	260	Short-term on-the-job training
53-3041	Taxi Drivers and Chauffeurs	2,550	2,750	200	7.76%	70	Short-term on-the-job training
53-3099	Motor Vehicle Operators, All Other	230	230	10	2.20%	10	Short-term on-the-job training
53-6021	Parking Lot Attendants	980	1,010	40	3.58%	40	Short-term on-the-job training
53-6031	Service Station Attendants	500	530	30	6.16%	20	Short-term on-the-job training
53-6041	Traffic Technicians	270	310	30	11.31%	10	Short-term on-the-job training
53-6051	Transportation Inspectors	280	330	50	17.44%	10	Work experience in a related occupation
53-7011	Conveyor Operators and Tenders	780	700	-80	-10.18%	20	Short-term on-the-job training
53-7021	Crane and Tower Operators	540	630	80	14.89%	20	Long-term on-the-job training
53-7031	Dredge Operators	100	110	10	9.38%	0	Moderate-term on-the-job training
53-7032	Excavating and Loading Machine and Dragline Operators	3,050	3,510	460	15.18%	140	Moderate-term on-the-job training
53-7051	Industrial Truck and Tractor Operators	7,330	7,790	460	6.30%	260	Short-term on-the-job training
53-7061	Cleaners of Vehicles and Equipment	3,520	3,670	150	4.38%	140	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	25,400	25,380	-20	-0.09%	820	Short-term on-the-job training
53-7063	Machine Feeders and Offbearers	1,230	1,010	-220	-18.15%	10	Short-term on-the-job training
53-7064	Packers and Packagers, Hand	5,990	5,590	-400	-6.74%	100	Short-term on-the-job training
53-7071	Gas Compressor and Gas Pumping Station Operators	380	380	-10	-1.82%	10	Moderate-term on-the-job training
53-7072	Pump Operators, Except Wellhead Pumpers	570	530	-30	-5.49%	20	Moderate-term on-the-job training
53-7073	Wellhead Pumpers	2,950	2,840	-120	-3.93%	90	Moderate-term on-the-job training
53-7081	Refuse and Recyclable Material Collectors	2,110	2,450	350	16.41%	100	Short-term on-the-job training
53-7121	Tank Car, Truck, and Ship Loaders	150	150	0	-0.68%	0	Moderate-term on-the-job training