

OKLAHOMA SHORT-TERM OCCUPATIONAL OUTLOOK, 2007 - 2009

Occupation Code	Occupation Title	2007 2nd Qtr	2009 2nd Qtr	Employment Change, 2007-2009		Average Annual Openings	Educational Attainment
		Estimated Employment	Projected Employment	Numeric	Percent		
00-0000	Total, All Occupations	1,716,580	1,771,350	54,770	3.19%	67,190	
11-1011	Chief Executives	11,770	12,040	270	2.29%	440	Bachelor's or higher degree, plus
11-1021	General and Operations Managers	29,010	29,530	520	1.79%	900	Bachelor's or higher degree, plus
11-1031	Legislators	980	980	0	0.00%	20	Bachelor's or higher degree, plus
11-2011	Advertising and Promotions Managers	430	430	0	0.00%	20	Bachelor's or higher degree, plus
11-2021	Marketing Managers	1,130	1,180	50	4.42%	50	Bachelor's or higher degree, plus
11-2022	Sales Managers	3,220	3,320	100	3.11%	120	Bachelor's or higher degree, plus
11-2031	Public Relations Managers	550	570	20	3.64%	20	Bachelor's or higher degree, plus
11-3011	Administrative Services Managers	3,490	3,610	120	3.44%	150	Bachelor's or higher degree, plus
11-3021	Computer and Information Systems M	2,160	2,240	80	3.70%	70	Bachelor's or higher degree, plus
11-3031	Financial Managers	5,690	5,910	220	3.87%	180	Bachelor's or higher degree, plus
11-3041	Compensation and Benefits Managers	790	820	30	3.80%	30	Bachelor's or higher degree, plus
11-3042	Training and Development Managers	400	410	10	2.50%	20	Bachelor's or higher degree, plus
11-3049	Human Resources Managers, All Oth	580	590	10	1.72%	20	Bachelor's or higher degree, plus
11-3051	Industrial Production Managers	1,500	1,560	60	4.00%	80	Work experience in a related occup
11-3061	Purchasing Managers	740	770	30	4.05%	40	Bachelor's or higher degree, plus
11-3071	Transportation, Storage, and Distribut	1,210	1,240	30	2.48%	50	Work experience in a related occup
11-9011	Farm, Ranch, and Other Agricultural M	7,370	7,510	140	1.90%	120	Bachelor's or higher degree, plus
11-9021	Construction Managers	4,950	5,270	320	6.46%	230	Bachelor's degree
11-9031	Education Administrators, Preschool &	780	800	20	2.56%	30	Bachelor's or higher degree, plus
11-9032	Education Administrators, Elementary	2,870	2,920	50	1.74%	100	Bachelor's or higher degree, plus
11-9033	Education Administrators, Postsecon	1,660	1,690	30	1.81%	60	Bachelor's or higher degree, plus
11-9039	Education Administrators, All Other	300	310	10	3.33%	20	Bachelor's or higher degree, plus
11-9041	Engineering Managers	1,630	1,730	100	6.13%	90	Bachelor's or higher degree, plus
11-9051	Food Service Managers	5,350	5,450	100	1.87%	170	Work experience in a related occup
11-9061	Funeral Directors	580	580	0	0.00%	20	Associate degree
11-9081	Lodging Managers	1,290	1,390	100	7.75%	80	Work experience in a related occup
11-9111	Medical and Health Services Manage	3,810	3,960	150	3.94%	130	Bachelor's or higher degree, plus
11-9121	Natural Sciences Managers	300	310	10	3.33%	20	Bachelor's or higher degree, plus

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11-9131	Postmasters and Mail Superintendent	570	570	0	0.00%	20	Work experience in a related occup
11-9141	Property, Real Estate, and Community	4,960	5,120	160	3.23%	150	Bachelor's degree
11-9151	Social and Community Service Manag	1,430	1,480	50	3.50%	50	Bachelor's degree
11-9199	Managers, All Other	4,190	4,310	120	2.86%	140	Work experience in a related occup
13-1021	Purchasing Agents and Buyers, Farm	280	280	0	0.00%	10	Long-term on-the-job training
13-1022	Wholesale and Retail Buyers, Except	1,770	1,790	20	1.13%	50	Long-term on-the-job training
13-1023	Purchasing Agents, Except Wholesale	3,340	3,470	130	3.89%	130	Long-term on-the-job training
13-1031	Claims Adjusters, Examiners, and Inv	3,630	3,650	20	0.55%	100	Long-term on-the-job training
13-1032	Insurance Appraisers, Auto Damage	440	440	0	0.00%	20	Postsecondary vocational training
13-1041	Compliance Officers, Except Agricultu	3,200	3,260	60	1.88%	60	Long-term on-the-job training
13-1051	Cost Estimators	1,690	1,810	120	7.10%	100	Bachelor's degree
13-1071	Employment, Recruitment, and Placer	1,560	1,610	50	3.21%	70	Bachelor's degree
13-1072	Compensation, Benefits, and Job Ana	1,260	1,320	60	4.76%	60	Bachelor's degree
13-1073	Training and Development Specialists	3,100	3,250	150	4.84%	140	Bachelor's or higher degree, plus
13-1079	Human Resources, Training, and Lab	1,520	1,540	20	1.32%	50	Bachelor's degree
13-1081	Logisticians	1,810	1,870	60	3.31%	60	Bachelor's degree
13-1111	Management Analysts	6,070	6,210	140	2.31%	170	Bachelor's or higher degree, plus
13-1121	Meeting and Convention Planners	380	390	10	2.63%	20	Bachelor's degree
13-1199	Business Operations Specialists, All C	5,880	6,060	180	3.06%	140	Bachelor's degree
13-2011	Accountants and Auditors	16,970	18,040	1,070	6.31%	820	Bachelor's degree
13-2021	Appraisers and Assessors of Real Est	1,020	1,070	50	4.90%	50	Bachelor's degree
13-2031	Budget Analysts	580	600	20	3.45%	20	Bachelor's degree
13-2041	Credit Analysts	960	980	20	2.08%	50	Bachelor's degree
13-2051	Financial Analysts	1,010	1,090	80	7.92%	50	Bachelor's degree
13-2052	Personal Financial Advisors	1,210	1,280	70	5.79%	50	Bachelor's degree
13-2053	Insurance Underwriters	1,300	1,290	-10	-0.77%	40	Bachelor's degree
13-2061	Financial Examiners	260	270	10	3.85%	10	Bachelor's degree
13-2071	Loan Counselors	590	600	10	1.69%	10	Bachelor's degree
13-2072	Loan Officers	3,770	3,860	90	2.39%	80	Bachelor's degree
13-2081	Tax Examiners, Collectors, and Rever	900	930	30	3.33%	40	Bachelor's degree
13-2082	Tax Preparers	940	920	-20	-2.13%	20	Moderate-term on-the-job training
13-2099	Financial Specialists, All Other	340	350	10	2.94%	20	Bachelor's degree
15-1011	Computer and Information Scientists,	170	180	10	5.88%	10	Doctoral degree

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15-1021	Computer Programmers	3,730	3,780	50	1.34%	100	Bachelor's degree
15-1031	Computer Software Engineers, Applic	2,230	2,470	240	10.76%	150	Bachelor's degree
15-1032	Computer Software Engineers, Syster	1,690	1,790	100	5.92%	80	Bachelor's degree
15-1041	Computer Support Specialists	9,270	9,550	280	3.02%	430	Associate degree
15-1051	Computer Systems Analysts	3,730	3,990	260	6.97%	230	Bachelor's degree
15-1061	Database Administrators	1,150	1,230	80	6.96%	50	Bachelor's degree
15-1071	Network and Computer Systems Adm	3,030	3,160	130	4.29%	130	Bachelor's degree
15-1081	Network Systems and Data Communi	2,080	2,300	220	10.58%	150	Bachelor's degree
15-1099	Computer Specialists, All Other	1,330	1,350	20	1.50%	50	Associate degree
15-2011	Actuaries	60	60	0	0.00%	10	Bachelor's or higher degree, plus
15-2031	Operations Research Analysts	340	350	10	2.94%	20	Master's degree
15-2041	Statisticians	220	220	0	0.00%	10	Master's degree
17-1011	Architects, Except Landscape and Na	1,340	1,380	40	2.99%	50	Bachelor's degree
17-1022	Surveyors	500	520	20	4.00%	30	Bachelor's degree
17-2011	Aerospace Engineers	940	970	30	3.19%	40	Bachelor's degree
17-2031	Biomedical Engineers	140	140	0	0.00%	10	Bachelor's degree
17-2041	Chemical Engineers	250	260	10	4.00%	20	Bachelor's degree
17-2051	Civil Engineers	1,500	1,580	80	5.33%	80	Bachelor's degree
17-2061	Computer Hardware Engineers	310	340	30	9.68%	30	Bachelor's degree
17-2071	Electrical Engineers	910	970	60	6.59%	50	Bachelor's degree
17-2072	Electronics Engineers, Except Compu	1,820	1,860	40	2.20%	60	Bachelor's degree
17-2081	Environmental Engineers	230	250	20	8.70%	20	Bachelor's degree
17-2111	Health and Safety Engineers, Except I	370	380	10	2.70%	20	Bachelor's degree
17-2112	Industrial Engineers	1,480	1,630	150	10.14%	120	Bachelor's degree
17-2131	Materials Engineers	140	140	0	0.00%	10	Bachelor's degree
17-2141	Mechanical Engineers	2,210	2,350	140	6.33%	120	Bachelor's degree
17-2151	Mining and Geological Engineers, Incl	310	370	60	19.35%	40	Bachelor's degree
17-2171	Petroleum Engineers	2,330	2,730	400	17.17%	260	Bachelor's degree
17-2199	Engineers, All Other	850	870	20	2.35%	20	Bachelor's degree
17-3011	Architectural and Civil Drafters	1,210	1,250	40	3.31%	60	Postsecondary vocational training
17-3012	Electrical and Electronics Drafters	410	430	20	4.88%	20	Postsecondary vocational training
17-3013	Mechanical Drafters	1,520	1,640	120	7.89%	110	Postsecondary vocational training
17-3022	Civil Engineering Technicians	1,030	1,060	30	2.91%	40	Associate degree

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17-3023	Electrical and Electronic Engineering Technicians	1,770	1,820	50	2.82%	60	Associate degree
17-3024	Electro-Mechanical Technicians	270	290	20	7.41%	20	Associate degree
17-3025	Environmental Engineering Technicians	160	170	10	6.25%	10	Associate degree
17-3027	Mechanical Engineering Technicians	510	570	60	11.76%	40	Associate degree
17-3029	Engineering Technicians, Except Drafting	560	570	10	1.79%	20	Associate degree
17-3031	Surveying and Mapping Technicians	740	770	30	4.05%	40	Moderate-term on-the-job training
19-1011	Animal Scientists	180	180	0	0.00%	10	Bachelor's degree
19-1012	Food Scientists and Technologists	70	70	0	0.00%	10	Bachelor's degree
19-1013	Soil and Plant Scientists	120	120	0	0.00%	10	Bachelor's degree
19-1021	Biochemists and Biophysicists	220	230	10	4.55%	10	Doctoral degree
19-1022	Microbiologists	60	60	0	0.00%	10	Doctoral degree
19-1023	Zoologists and Wildlife Biologists	70	80	10	14.29%	10	Bachelor's degree
19-1029	Biological Scientists, All Other	170	170	0	0.00%	10	Doctoral degree
19-1031	Conservation Scientists	490	510	20	4.08%	30	Bachelor's degree
19-1032	Foresters	50	50	0	0.00%	10	Bachelor's degree
19-1042	Medical Scientists, Except Epidemiologists	1,150	1,190	40	3.48%	60	Doctoral degree
19-2012	Physicists	50	50	0	0.00%	10	Doctoral degree
19-2021	Atmospheric and Space Scientists	260	270	10	3.85%	20	Bachelor's degree
19-2031	Chemists	340	350	10	2.94%	20	Bachelor's degree
19-2041	Environmental Scientists and Specialists, Except Hydrologists and Geoscientists	1,680	1,730	50	2.98%	70	Master's degree
19-2042	Geoscientists, Except Hydrologists and Geographers	1,160	1,380	220	18.97%	140	Master's degree
19-2043	Hydrologists	60	60	0	0.00%	10	Master's degree
19-2099	Physical Scientists, All Other	80	80	0	0.00%	10	Bachelor's degree
19-3011	Economists	90	90	0	0.00%	10	Master's degree
19-3021	Market Research Analysts	2,250	2,310	60	2.67%	50	Bachelor's degree
19-3022	Survey Researchers	250	250	0	0.00%	10	Bachelor's degree
19-3031	Clinical, Counseling, and School Psychologists	1,850	1,920	70	3.78%	60	Doctoral degree
19-3039	Psychologists, All Other	110	110	0	0.00%	10	Master's degree
19-3051	Urban and Regional Planners	340	360	20	5.88%	30	Master's degree
19-3093	Historians	70	70	0	0.00%	10	Master's degree
19-3099	Social Scientists and Related Workers, Except Historians	220	220	0	0.00%	10	Master's degree
19-4011	Agricultural and Food Science Technicians	170	170	0	0.00%	10	Associate degree
19-4021	Biological Technicians	890	920	30	3.37%	50	Bachelor's degree

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19-4031	Chemical Technicians	500	530	30	6.00%	40	Associate degree
19-4041	Geological and Petroleum Technician:	890	1,060	170	19.10%	130	Associate degree
19-4091	Environmental Science and Protectior	280	290	10	3.57%	20	Associate degree
19-4092	Forensic Science Technicians	130	140	10	7.69%	10	Bachelor's degree
19-4093	Forest and Conservation Technicians	200	210	10	5.00%	10	Associate degree
19-4099	Life, Physical, and Social Science Tec	280	280	0	0.00%	20	Associate degree
21-1011	Substance Abuse and Behavioral Disc	1,050	1,100	50	4.76%	50	Bachelor's degree
21-1012	Educational, Vocational, and School C	3,250	3,310	60	1.85%	90	Master's degree
21-1014	Mental Health Counselors	1,580	1,660	80	5.06%	70	Master's degree
21-1015	Rehabilitation Counselors	1,860	1,910	50	2.69%	60	Master's degree
21-1021	Child, Family, and School Social Work	2,900	3,000	100	3.45%	110	Bachelor's degree
21-1022	Medical and Public Health Social Wor	1,380	1,450	70	5.07%	60	Bachelor's degree
21-1023	Mental Health and Substance Abuse S	890	920	30	3.37%	30	Master's degree
21-1029	Social Workers, All Other	600	610	10	1.67%	20	Bachelor's degree
21-1091	Health Educators	600	630	30	5.00%	20	Bachelor's degree
21-1092	Probation Officers and Correctional Tr	920	960	40	4.35%	30	Bachelor's degree
21-1093	Social and Human Service Assistants	2,280	2,350	70	3.07%	60	Moderate-term on-the-job training
21-1099	Community and Social Service Specia	590	610	20	3.39%	20	Bachelor's degree
21-2011	Clergy	5,030	5,070	40	0.80%	80	Master's degree
21-2021	Directors, Religious Activities and Edu	1,190	1,200	10	0.84%	30	Bachelor's degree
21-2099	Religious Workers, All Other	490	500	10	2.04%	10	Bachelor's degree
23-1011	Lawyers	7,330	7,340	10	0.14%	130	First professional degree
23-1021	Administrative Law Judges, Adjudicat	160	160	0	0.00%	10	Bachelor's or higher degree, plus
23-1023	Judges, Magistrate Judges, and Magi:	450	460	10	2.22%	20	Bachelor's or higher degree, plus
23-2011	Paralegals and Legal Assistants	2,020	2,060	40	1.98%	50	Associate degree
23-2091	Court Reporters	280	290	10	3.57%	10	Postsecondary vocational training
23-2092	Law Clerks	230	230	0	0.00%	10	Bachelor's degree
23-2093	Title Examiners, Abstractors, and Sea	1,860	1,930	70	3.76%	70	Moderate-term on-the-job training
23-2099	Legal Support Workers, All Other	210	210	0	0.00%	10	Moderate-term on-the-job training
25-1000	Postsecondary Teachers	19,350	20,090	740	3.82%	660	Doctoral degree
25-2011	Preschool Teachers, Except Special E	7,190	7,380	190	2.64%	200	Postsecondary vocational training
25-2012	Kindergarten Teachers, Except Specia	2,280	2,350	70	3.07%	70	Bachelor's degree
25-2021	Elementary School Teachers, Except	17,570	18,050	480	2.73%	590	Bachelor's degree

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25-2022	Middle School Teachers, Except Spec	7,890	8,070	180	2.28%	250	Bachelor's degree
25-2023	Vocational Education Teachers, Middl	170	170	0	0.00%	10	Bachelor's or higher degree, plus
25-2031	Secondary School Teachers, Except 9	11,100	11,240	140	1.26%	400	Bachelor's degree
25-2032	Vocational Education Teachers, Seco	1,330	1,330	0	0.00%	40	Bachelor's or higher degree, plus
25-2041	Special Education Teachers, Prescho	2,340	2,420	80	3.42%	90	Bachelor's degree
25-2042	Special Education Teachers, Middle S	1,060	1,090	30	2.83%	40	Bachelor's degree
25-2043	Special Education Teachers, Seconda	1,340	1,360	20	1.49%	40	Bachelor's degree
25-3011	Adult Literacy, Remedial Education, a	760	770	10	1.32%	20	Bachelor's degree
25-3021	Self-Enrichment Education Teachers	1,930	1,980	50	2.59%	50	Work experience in a related occup
25-3099	Teachers and Instructors, All Other	11,730	11,900	170	1.45%	200	Bachelor's degree
25-4011	Archivists	100	100	0	0.00%	10	Master's degree
25-4012	Curators	70	70	0	0.00%	10	Master's degree
25-4013	Museum Technicians and Conservato	70	70	0	0.00%	10	Bachelor's degree
25-4021	Librarians	2,080	2,110	30	1.44%	70	Master's degree
25-4031	Library Technicians	1,860	1,910	50	2.69%	150	Postsecondary vocational training
25-9011	Audio-Visual Collections Specialists	80	80	0	0.00%	10	Bachelor's degree
25-9021	Farm and Home Management Adviso	70	70	0	0.00%	10	Bachelor's degree
25-9031	Instructional Coordinators	1,310	1,360	50	3.82%	40	Master's degree
25-9041	Teacher Assistants	10,810	10,970	160	1.48%	240	Short-term on-the-job training
25-9099	Education, Training, and Library Work	1,320	1,350	30	2.27%	30	Bachelor's degree
27-1011	Art Directors	270	260	-10	-3.70%	10	Bachelor's or higher degree, plus
27-1012	Craft Artists	50	50	0	0.00%	10	Long-term on-the-job training
27-1013	Fine Artists, Including Painters, Sculpt	150	150	0	0.00%	10	Long-term on-the-job training
27-1014	Multi-Media Artists and Animators	250	250	0	0.00%	10	Bachelor's degree
27-1021	Commercial and Industrial Designers	660	680	20	3.03%	30	Bachelor's degree
27-1023	Floral Designers	1,070	1,040	-30	-2.80%	30	Moderate-term on-the-job training
27-1024	Graphic Designers	1,970	1,990	20	1.02%	70	Bachelor's degree
27-1025	Interior Designers	390	410	20	5.13%	20	Associate degree
27-1026	Merchandise Displayers and Window	720	740	20	2.78%	30	Moderate-term on-the-job training
27-1027	Set and Exhibit Designers	80	80	0	0.00%	10	Bachelor's degree
27-2012	Producers and Directors	1,030	1,020	-10	-0.97%	30	Bachelor's or higher degree, plus
27-2021	Athletes and Sports Competitors	120	130	10	8.33%	10	Long-term on-the-job training
27-2022	Coaches and Scouts	2,570	2,670	100	3.89%	120	Long-term on-the-job training

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27-2041	Music Directors and Composers	760	760	0	0.00%	20	Bachelor's or higher degree, plus
27-2042	Musicians and Singers	1,870	1,840	-30	-1.60%	40	Long-term on-the-job training
27-3011	Radio and Television Announcers	600	580	-20	-3.33%	20	Long-term on-the-job training
27-3012	Public Address System and Other Anr	140	140	0	0.00%	10	Long-term on-the-job training
27-3022	Reporters and Correspondents	1,100	1,130	30	2.73%	60	Bachelor's degree
27-3031	Public Relations Specialists	2,060	2,100	40	1.94%	40	Bachelor's degree
27-3041	Editors	890	900	10	1.12%	40	Bachelor's degree
27-3042	Technical Writers	480	500	20	4.17%	30	Bachelor's degree
27-3043	Writers and Authors	1,720	1,760	40	2.33%	60	Bachelor's degree
27-3091	Interpreters and Translators	250	260	10	4.00%	10	Long-term on-the-job training
27-4011	Audio and Video Equipment Technicia	230	240	10	4.35%	20	Long-term on-the-job training
27-4012	Broadcast Technicians	530	530	0	0.00%	20	Associate degree
27-4021	Photographers	1,820	1,880	60	3.30%	70	Long-term on-the-job training
27-4031	Camera Operators, Television, Video,	270	260	-10	-3.70%	10	Postsecondary vocational training
27-4099	Media and Communication Equipmen	70	70	0	0.00%	10	Moderate-term on-the-job training
29-1011	Chiropractors	720	740	20	2.78%	30	First professional degree
29-1021	Dentists, General	1,680	1,740	60	3.57%	60	First professional degree
29-1029	Dentists, All Other Specialists	990	1,010	20	2.02%	30	First professional degree
29-1031	Dietitians and Nutritionists	820	830	10	1.22%	30	Bachelor's degree
29-1041	Optometrists	530	550	20	3.77%	20	First professional degree
29-1051	Pharmacists	3,060	3,240	180	5.88%	150	First professional degree
29-1060	Physicians and Surgeons	7,530	7,790	260	3.45%	250	First professional degree
29-1071	Physician Assistants	850	890	40	4.71%	40	Master's degree
29-1111	Registered Nurses	26,260	27,630	1,370	5.22%	1040	Associate degree
29-1121	Audiologists	130	140	10	7.69%	10	First professional degree
29-1122	Occupational Therapists	990	1,030	40	4.04%	30	Master's degree
29-1123	Physical Therapists	2,220	2,350	130	5.86%	90	Master's degree
29-1124	Radiation Therapists	260	280	20	7.69%	20	Associate degree
29-1125	Recreational Therapists	360	360	0	0.00%	10	Bachelor's degree
29-1126	Respiratory Therapists	1,240	1,300	60	4.84%	60	Associate degree
29-1127	Speech-Language Pathologists	1,510	1,540	30	1.99%	40	Master's degree
29-1131	Veterinarians	820	870	50	6.10%	50	First professional degree
29-1199	Health Diagnosing and Treating Pract	750	780	30	4.00%	30	Bachelor's degree

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29-2011	Medical and Clinical Laboratory Technicians	1,670	1,730	60	3.59%	60	Bachelor's degree
29-2012	Medical and Clinical Laboratory Technicians	1,430	1,490	60	4.20%	50	Associate degree
29-2021	Dental Hygienists	1,600	1,710	110	6.88%	90	Associate degree
29-2031	Cardiovascular Technologists and Technicians	560	600	40	7.14%	30	Associate degree
29-2032	Diagnostic Medical Sonographers	520	540	20	3.85%	20	Associate degree
29-2033	Nuclear Medicine Technologists	240	250	10	4.17%	10	Associate degree
29-2034	Radiologic Technologists and Technicians	2,190	2,270	80	3.65%	70	Associate degree
29-2041	Emergency Medical Technicians and Paramedics	4,000	4,230	230	5.75%	160	Postsecondary vocational training
29-2051	Dietetic Technicians	400	420	20	5.00%	20	Postsecondary vocational training
29-2052	Pharmacy Technicians	3,720	4,020	300	8.06%	260	Moderate-term on-the-job training
29-2053	Psychiatric Technicians	950	950	0	0.00%	30	Postsecondary vocational training
29-2054	Respiratory Therapy Technicians	400	400	0	0.00%	20	Associate degree
29-2055	Surgical Technologists	1,510	1,590	80	5.30%	90	Postsecondary vocational training
29-2056	Veterinary Technologists and Technicians	640	700	60	9.38%	50	Associate degree
29-2061	Licensed Practical and Licensed Vocational Nurses	13,840	14,180	340	2.46%	530	Postsecondary vocational training
29-2071	Medical Records and Health Information Management Technicians	2,790	2,890	100	3.58%	120	Associate degree
29-2081	Opticians, Dispensing	780	810	30	3.85%	40	Long-term on-the-job training
29-2091	Orthotists and Prosthetists	90	100	10	11.11%	10	Bachelor's degree
29-2099	Health Technologists and Technicians	590	620	30	5.08%	20	Postsecondary vocational training
29-9011	Occupational Health and Safety Specialists	720	750	30	4.17%	30	Bachelor's degree
29-9012	Occupational Health and Safety Technicians	150	160	10	6.67%	20	Bachelor's degree
29-9091	Athletic Trainers	260	280	20	7.69%	20	Bachelor's degree
29-9099	Healthcare Practitioners and Technicians	410	430	20	4.88%	20	Bachelor's degree
31-1011	Home Health Aides	7,640	8,180	540	7.07%	330	Short-term on-the-job training
31-1012	Nursing Aides, Orderlies, and Attendants	20,660	21,200	540	2.61%	430	Postsecondary vocational training
31-1013	Psychiatric Aides	860	860	0	0.00%	10	Short-term on-the-job training
31-2011	Occupational Therapist Assistants	500	520	20	4.00%	20	Associate degree
31-2012	Occupational Therapist Aides	230	240	10	4.35%	10	Short-term on-the-job training
31-2021	Physical Therapist Assistants	1,040	1,110	70	6.73%	50	Associate degree
31-2022	Physical Therapist Aides	750	790	40	5.33%	30	Short-term on-the-job training
31-9011	Massage Therapists	640	670	30	4.69%	30	Postsecondary vocational training
31-9091	Dental Assistants	3,240	3,440	200	6.17%	160	Moderate-term on-the-job training
31-9092	Medical Assistants	7,120	7,590	470	6.60%	320	Moderate-term on-the-job training

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31-9093	Medical Equipment Preparers	430	450	20	4.65%	20	Short-term on-the-job training
31-9094	Medical Transcriptionists	1,180	1,210	30	2.54%	40	Postsecondary vocational training
31-9095	Pharmacy Aides	1,010	1,010	0	0.00%	20	Short-term on-the-job training
31-9096	Veterinary Assistants and Laboratory	1,010	1,050	40	3.96%	40	Short-term on-the-job training
31-9099	Healthcare Support Workers, All Othe	1,550	1,600	50	3.23%	50	Short-term on-the-job training
33-1011	First-Line Supervisors/Managers of Co	720	750	30	4.17%	40	Work experience in a related occup
33-1012	First-Line Supervisors/Managers of Pc	1,310	1,390	80	6.11%	80	Work experience in a related occup
33-1021	First-Line Supervisors/Managers of Fi	880	930	50	5.68%	60	Work experience in a related occup
33-1099	First-Line Supervisors/Managers, Prot	180	190	10	5.56%	10	Work experience in a related occup
33-2011	Fire Fighters	4,650	4,940	290	6.24%	310	Long-term on-the-job training
33-2021	Fire Inspectors and Investigators	180	190	10	5.56%	10	Work experience in a related occup
33-2022	Forest Fire Inspectors and Prevention	160	160	0	0.00%	10	Work experience in a related occup
33-3011	Bailiffs	240	250	10	4.17%	10	Moderate-term on-the-job training
33-3012	Correctional Officers and Jailers	5,590	5,880	290	5.19%	260	Moderate-term on-the-job training
33-3021	Detectives and Criminal Investigators	1,290	1,360	70	5.43%	70	Work experience in a related occup
33-3031	Fish and Game Wardens	70	70	0	0.00%	10	Associate degree
33-3051	Police and Sheriff's Patrol Officers	9,290	9,770	480	5.17%	480	Long-term on-the-job training
33-9011	Animal Control Workers	370	390	20	5.41%	20	Moderate-term on-the-job training
33-9021	Private Detectives and Investigators	600	630	30	5.00%	30	Work experience in a related occup
33-9031	Gaming Surveillance Officers and Gar	350	400	50	14.29%	40	Moderate-term on-the-job training
33-9032	Security Guards	9,550	9,960	410	4.29%	420	Short-term on-the-job training
33-9091	Crossing Guards	470	480	10	2.13%	20	Short-term on-the-job training
33-9092	Lifeguards, Ski Patrol, and Other Recl	910	970	60	6.59%	140	Short-term on-the-job training
33-9099	Protective Service Workers, All Other	520	540	20	3.85%	80	Short-term on-the-job training
35-1011	Chefs and Head Cooks	1,710	1,760	50	2.92%	50	Work experience in a related occup
35-1012	First-Line Supervisors/Managers of Fc	8,180	8,420	240	2.93%	180	Work experience in a related occup
35-2011	Cooks, Fast Food	15,180	15,590	410	2.70%	700	Short-term on-the-job training
35-2012	Cooks, Institution and Cafeteria	7,560	7,630	70	0.93%	290	Moderate-term on-the-job training
35-2014	Cooks, Restaurant	9,000	9,330	330	3.67%	460	Long-term on-the-job training
35-2015	Cooks, Short Order	2,220	2,300	80	3.60%	110	Short-term on-the-job training
35-2021	Food Preparation Workers	8,690	8,980	290	3.34%	540	Short-term on-the-job training
35-3011	Bartenders	3,150	3,280	130	4.13%	170	Short-term on-the-job training
35-3021	Combined Food Preparation and Serv	27,520	28,620	1,100	4.00%	1010	Short-term on-the-job training

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35-3022	Counter Attendants, Cafeteria, Food C	3,660	3,750	90	2.46%	460	Short-term on-the-job training
35-3031	Waiters and Waitresses	28,150	29,100	950	3.37%	2150	Short-term on-the-job training
35-3041	Food Servers, Nonrestaurant	2,600	2,700	100	3.85%	100	Short-term on-the-job training
35-9011	Dining Room and Cafeteria Attendant	2,930	3,020	90	3.07%	230	Short-term on-the-job training
35-9021	Dishwashers	5,500	5,680	180	3.27%	410	Short-term on-the-job training
35-9031	Hosts and Hostesses, Restaurant, Lo	4,010	4,150	140	3.49%	480	Short-term on-the-job training
37-1011	First-Line Supervisors/Managers of H	2,340	2,390	50	2.14%	60	Work experience in a related occup
37-1012	First-Line Supervisors/Managers of L	2,150	2,200	50	2.33%	40	Work experience in a related occup
37-2011	Janitors and Cleaners, Except Maids	25,770	26,370	600	2.33%	770	Short-term on-the-job training
37-2012	Maids and Housekeeping Cleaners	12,290	12,810	520	4.23%	480	Short-term on-the-job training
37-3011	Landscaping and Groundskeeping Wo	10,340	10,680	340	3.29%	300	Short-term on-the-job training
37-3012	Pesticide Handlers, Sprayers, and Ap	650	670	20	3.08%	20	Moderate-term on-the-job training
37-3013	Tree Trimmers and Pruners	1,600	1,600	0	0.00%	20	Short-term on-the-job training
39-1011	Gaming Supervisors	420	460	40	9.52%	30	Work experience in a related occup
39-1012	Slot Key Persons	240	260	20	8.33%	20	Postsecondary vocational training
39-1021	First-Line Supervisors/Managers of P	1,340	1,370	30	2.24%	50	Work experience in a related occup
39-2011	Animal Trainers	540	550	10	1.85%	20	Moderate-term on-the-job training
39-2021	Nonfarm Animal Caretakers	2,220	2,270	50	2.25%	70	Short-term on-the-job training
39-3011	Gaming Dealers	800	880	80	10.00%	60	Postsecondary vocational training
39-3012	Gaming and Sports Book Writers and	570	610	40	7.02%	40	Short-term on-the-job training
39-3021	Motion Picture Projectionists	90	80	-10	-11.11%	10	Short-term on-the-job training
39-3031	Ushers, Lobby Attendants, and Ticket	580	560	-20	-3.45%	60	Short-term on-the-job training
39-3091	Amusement and Recreation Attendan	1,920	2,100	180	9.38%	220	Short-term on-the-job training
39-3093	Locker Room, Coatroom, and Dressin	170	190	20	11.76%	20	Short-term on-the-job training
39-4011	Embalmers	210	210	0	0.00%	10	Postsecondary vocational training
39-4021	Funeral Attendants	550	550	0	0.00%	20	Short-term on-the-job training
39-5012	Hairdressers, Hairstylists, and Cosme	4,260	4,260	0	0.00%	50	Postsecondary vocational training
39-5092	Manicurists and Pedicurists	160	160	0	0.00%	10	Postsecondary vocational training
39-6011	Baggage Porters and Bellhops	380	400	20	5.26%	20	Short-term on-the-job training
39-6012	Concierges	50	50	0	0.00%	10	Moderate-term on-the-job training
39-6021	Tour Guides and Escorts	90	90	0	0.00%	10	Moderate-term on-the-job training
39-6032	Transportation Attendants, Except Flic	50	60	10	20.00%	10	Short-term on-the-job training

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39-9011	Child Care Workers	13,500	13,990	490	3.63%	670	Short-term on-the-job training
39-9021	Personal and Home Care Aides	11,280	12,030	750	6.65%	560	Short-term on-the-job training
39-9031	Fitness Trainers and Aerobics Instruct	2,670	2,960	290	10.86%	200	Postsecondary vocational training
39-9032	Recreation Workers	3,350	3,460	110	3.28%	120	Short-term on-the-job training
39-9041	Residential Advisors	580	590	10	1.72%	30	Short-term on-the-job training
39-9099	Personal Care and Service Workers, /	290	270	-20	-6.90%	10	Short-term on-the-job training
41-1011	First-Line Supervisors/Managers of Re	17,500	17,810	310	1.77%	500	Work experience in a related occup
41-1012	First-Line Supervisors/Managers of Nc	3,060	3,120	60	1.96%	70	Work experience in a related occup
41-2011	Cashiers	42,140	42,290	150	0.36%	2750	Short-term on-the-job training
41-2012	Gaming Change Persons and Booth C	920	990	70	7.61%	100	Short-term on-the-job training
41-2021	Counter and Rental Clerks	4,660	4,800	140	3.00%	280	Short-term on-the-job training
41-2022	Parts Salespersons	3,530	3,510	-20	-0.57%	50	Moderate-term on-the-job training
41-2031	Retail Salespersons	49,640	51,040	1,400	2.82%	2410	Short-term on-the-job training
41-3011	Advertising Sales Agents	1,650	1,710	60	3.64%	60	Moderate-term on-the-job training
41-3021	Insurance Sales Agents	4,740	4,770	30	0.63%	120	Bachelor's degree
41-3031	Securities, Commodities, and Financ	1,550	1,600	50	3.23%	70	Bachelor's degree
41-3041	Travel Agents	580	480	-100	-17.24%	10	Postsecondary vocational training
41-3099	Sales Representatives, Services, All C	3,670	3,780	110	3.00%	140	Work experience in a related occup
41-4011	Sales Representatives, Wholesale an	5,140	5,430	290	5.64%	260	Work experience in a related occup
41-4012	Sales Representatives, Wholesale an	12,500	12,960	460	3.68%	500	Work experience in a related occup
41-9011	Demonstrators and Product Promoter:	540	560	20	3.70%	30	Moderate-term on-the-job training
41-9021	Real Estate Brokers	1,980	2,010	30	1.52%	50	Work experience in a related occup
41-9022	Real Estate Sales Agents	5,120	5,290	170	3.32%	160	Postsecondary vocational training
41-9041	Telemarketers	5,600	5,450	-150	-2.68%	230	Short-term on-the-job training
41-9091	Door-To-Door Sales Workers, News a	5,020	5,300	280	5.58%	210	Short-term on-the-job training
41-9099	Sales and Related Workers, All Other	820	850	30	3.66%	30	Moderate-term on-the-job training
43-1011	First-Line Supervisors/Managers of O	14,780	15,100	320	2.17%	430	Work experience in a related occup
43-2011	Switchboard Operators, Including Ans	2,260	2,230	-30	-1.33%	50	Short-term on-the-job training
43-2021	Telephone Operators	190	170	-20	-10.53%	10	Short-term on-the-job training
43-3011	Bill and Account Collectors	6,240	6,520	280	4.49%	230	Short-term on-the-job training
43-3021	Billing and Posting Clerks and Machin	7,800	7,930	130	1.67%	160	Moderate-term on-the-job training
43-3031	Bookkeeping, Accounting, and Auditin	27,660	28,840	1,180	4.27%	980	Moderate-term on-the-job training

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43-3041	Gaming Cage Workers	300	330	30	10.00%	20	Short-term on-the-job training
43-3051	Payroll and Timekeeping Clerks	3,160	3,230	70	2.22%	120	Moderate-term on-the-job training
43-3061	Procurement Clerks	1,380	1,400	20	1.45%	40	Moderate-term on-the-job training
43-3071	Tellers	8,540	8,810	270	3.16%	590	Short-term on-the-job training
43-4011	Brokerage Clerks	340	350	10	2.94%	20	Moderate-term on-the-job training
43-4021	Correspondence Clerks	280	280	0	0.00%	10	Short-term on-the-job training
43-4031	Court, Municipal, and License Clerks	2,830	3,100	270	9.54%	200	Short-term on-the-job training
43-4041	Credit Authorizers, Checkers, and Cle	450	440	-10	-2.22%	20	Short-term on-the-job training
43-4051	Customer Service Representatives	23,930	24,890	960	4.01%	1150	Moderate-term on-the-job training
43-4061	Eligibility Interviewers, Government Pr	630	650	20	3.17%	20	Moderate-term on-the-job training
43-4071	File Clerks	2,780	2,610	-170	-6.12%	90	Short-term on-the-job training
43-4081	Hotel, Motel, and Resort Desk Clerks	2,110	2,280	170	8.06%	200	Short-term on-the-job training
43-4111	Interviewers, Except Eligibility and Lo	1,630	1,690	60	3.68%	80	Short-term on-the-job training
43-4121	Library Assistants, Clerical	1,030	1,060	30	2.91%	50	Short-term on-the-job training
43-4131	Loan Interviewers and Clerks	2,430	2,430	0	0.00%	40	Short-term on-the-job training
43-4141	New Accounts Clerks	1,130	1,090	-40	-3.54%	40	Work experience in a related occup
43-4151	Order Clerks	2,610	2,500	-110	-4.21%	60	Short-term on-the-job training
43-4161	Human Resources Assistants, Except	3,010	3,080	70	2.33%	60	Short-term on-the-job training
43-4171	Receptionists and Information Clerks	12,650	13,180	530	4.19%	610	Short-term on-the-job training
43-4181	Reservation and Transportation Ticke	2,970	2,920	-50	-1.68%	70	Short-term on-the-job training
43-4199	Information and Record Clerks, All Otl	1,960	1,930	-30	-1.53%	30	Short-term on-the-job training
43-5011	Cargo and Freight Agents	530	550	20	3.77%	30	Moderate-term on-the-job training
43-5021	Couriers and Messengers	1,210	1,210	0	0.00%	40	Short-term on-the-job training
43-5031	Police, Fire, and Ambulance Dispatch	1,970	2,100	130	6.60%	110	Moderate-term on-the-job training
43-5032	Dispatchers, Except Police, Fire, and	2,280	2,330	50	2.19%	90	Moderate-term on-the-job training
43-5041	Meter Readers, Utilities	1,040	1,050	10	0.96%	40	Short-term on-the-job training
43-5051	Postal Service Clerks	740	740	0	0.00%	20	Short-term on-the-job training
43-5052	Postal Service Mail Carriers	4,130	4,140	10	0.24%	120	Short-term on-the-job training
43-5053	Postal Service Mail Sorters, Processo	1,880	1,850	-30	-1.60%	20	Short-term on-the-job training
43-5061	Production, Planning, and Expediting	3,830	4,000	170	4.44%	190	Moderate-term on-the-job training
43-5071	Shipping, Receiving, and Traffic Clerk	7,420	7,650	230	3.10%	290	Short-term on-the-job training
43-5081	Stock Clerks and Order Fillers	16,980	16,780	-200	-1.18%	490	Short-term on-the-job training

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43-5111	Weighers, Measurers, Checkers, and	560	530	-30	-5.36%	20	Short-term on-the-job training
43-6011	Executive Secretaries and Administra	19,720	20,410	690	3.50%	620	Work experience in a related occup
43-6012	Legal Secretaries	2,540	2,530	-10	-0.39%	40	Associate degree
43-6013	Medical Secretaries	4,520	4,710	190	4.20%	160	Moderate-term on-the-job training
43-6014	Secretaries, Except Legal, Medical, ar	26,500	26,680	180	0.68%	460	Moderate-term on-the-job training
43-9011	Computer Operators	1,150	1,100	-50	-4.35%	20	Moderate-term on-the-job training
43-9021	Data Entry Keyers	3,060	3,020	-40	-1.31%	80	Moderate-term on-the-job training
43-9022	Word Processors and Typists	810	790	-20	-2.47%	20	Moderate-term on-the-job training
43-9031	Desktop Publishers	140	140	0	0.00%	10	Postsecondary vocational training
43-9041	Insurance Claims and Policy Processi	2,990	2,940	-50	-1.67%	40	Moderate-term on-the-job training
43-9051	Mail Clerks and Mail Machine Operatc	1,550	1,500	-50	-3.23%	50	Short-term on-the-job training
43-9061	Office Clerks, General	38,030	39,300	1,270	3.34%	1340	Short-term on-the-job training
43-9071	Office Machine Operators, Except Cor	610	590	-20	-3.28%	30	Short-term on-the-job training
45-1011	First-Line Supervisors/Managers of F&	1,230	1,260	30	2.44%	40	Work experience in a related occup
45-2011	Agricultural Inspectors	330	340	10	3.03%	20	Work experience in a related occup
45-2021	Animal Breeders	110	110	0	0.00%	10	Work experience in a related occup
45-2041	Graders and Sorters, Agricultural Proc	840	830	-10	-1.19%	10	Work experience in a related occup
45-2091	Agricultural Equipment Operators	1,570	1,580	10	0.64%	50	Moderate-term on-the-job training
45-2092	Farmworkers and Laborers, Crop, Nui	16,060	16,270	210	1.31%	540	Short-term on-the-job training
45-2093	Farmworkers, Farm and Ranch Anim&	4,210	4,310	100	2.38%	170	Short-term on-the-job training
45-2099	Agricultural Workers, All Other	410	420	10	2.44%	20	Short-term on-the-job training
45-4011	Forest and Conservation Workers	170	180	10	5.88%	10	Moderate-term on-the-job training
45-4022	Logging Equipment Operators	240	250	10	4.17%	10	Moderate-term on-the-job training
47-1011	First-Line Supervisors/Managers of Cr	8,360	8,960	600	7.18%	400	Work experience in a related occup
47-2011	Boilermakers	230	240	10	4.35%	20	Long-term on-the-job training
47-2021	Brickmasons and Blockmasons	1,290	1,360	70	5.43%	70	Long-term on-the-job training
47-2022	Stonemasons	110	110	0	0.00%	10	Long-term on-the-job training
47-2031	Carpenters	10,160	10,610	450	4.43%	350	Long-term on-the-job training
47-2041	Carpet Installers	520	530	10	1.92%	20	Moderate-term on-the-job training
47-2042	Floor Layers, Except Carpet, Wood, a	250	260	10	4.00%	10	Moderate-term on-the-job training
47-2044	Tile and Marble Setters	540	570	30	5.56%	30	Long-term on-the-job training
47-2051	Cement Masons and Concrete Finishe	3,100	3,260	160	5.16%	170	Moderate-term on-the-job training

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47-2061	Construction Laborers	15,460	16,210	750	4.85%	480	Moderate-term on-the-job training
47-2071	Paving, Surfacing, and Tamping Equip	1,590	1,650	60	3.77%	60	Moderate-term on-the-job training
47-2073	Operating Engineers and Other Const	5,760	6,040	280	4.86%	250	Moderate-term on-the-job training
47-2081	Drywall and Ceiling Tile Installers	1,600	1,690	90	5.63%	70	Moderate-term on-the-job training
47-2082	Tapers	200	210	10	5.00%	10	Moderate-term on-the-job training
47-2111	Electricians	7,420	7,810	390	5.26%	380	Long-term on-the-job training
47-2121	Glaziers	960	990	30	3.13%	30	Long-term on-the-job training
47-2131	Insulation Workers, Floor, Ceiling, and	290	310	20	6.90%	20	Moderate-term on-the-job training
47-2132	Insulation Workers, Mechanical	630	660	30	4.76%	40	Moderate-term on-the-job training
47-2141	Painters, Construction and Maintenanc	4,490	4,720	230	5.12%	190	Moderate-term on-the-job training
47-2142	Paperhangers	120	130	10	8.33%	10	Moderate-term on-the-job training
47-2151	Pipelayers	920	950	30	3.26%	40	Moderate-term on-the-job training
47-2152	Plumbers, Pipefitters, and Steamfitter:	5,910	6,240	330	5.58%	280	Long-term on-the-job training
47-2161	Plasterers and Stucco Masons	240	260	20	8.33%	20	Long-term on-the-job training
47-2171	Reinforcing Iron and Rebar Workers	70	80	10	14.29%	10	Long-term on-the-job training
47-2181	Roofers	1,200	1,280	80	6.67%	70	Moderate-term on-the-job training
47-2211	Sheet Metal Workers	3,090	3,220	130	4.21%	140	Long-term on-the-job training
47-2221	Structural Iron and Steel Workers	560	590	30	5.36%	40	Long-term on-the-job training
47-3011	Helpers--Brickmasons, Blockmasons,	560	590	30	5.36%	40	Short-term on-the-job training
47-3012	Helpers--Carpenters	630	660	30	4.76%	40	Short-term on-the-job training
47-3013	Helpers--Electricians	1,610	1,710	100	6.21%	90	Short-term on-the-job training
47-3014	Helpers--Painters, Paperhangers, Pla:	190	200	10	5.26%	10	Short-term on-the-job training
47-3015	Helpers--Pipelayers, Plumbers, Pipefit	1,510	1,600	90	5.96%	90	Short-term on-the-job training
47-3016	Helpers--Roofers	190	200	10	5.26%	10	Short-term on-the-job training
47-3019	Helpers, Construction Trades, All Othe	410	450	40	9.76%	30	Short-term on-the-job training
47-4011	Construction and Building Inspectors	1,310	1,380	70	5.34%	60	Work experience in a related occup
47-4041	Hazardous Materials Removal Worker	360	360	0	0.00%	10	Moderate-term on-the-job training
47-4051	Highway Maintenance Workers	3,950	4,190	240	6.08%	190	Moderate-term on-the-job training
47-4061	Rail-Track Laying and Maintenance E	120	120	0	0.00%	10	Moderate-term on-the-job training
47-4071	Septic Tank Servicers and Sewer Pipe	250	260	10	4.00%	10	Moderate-term on-the-job training
47-4099	Construction and Related Workers, Al	220	220	0	0.00%	10	Moderate-term on-the-job training
47-5011	Derrick Operators, Oil and Gas	2,950	3,550	600	20.34%	320	Moderate-term on-the-job training

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47-5012	Rotary Drill Operators, Oil and Gas	1,520	1,820	300	19.74%	160	Moderate-term on-the-job training
47-5013	Service Unit Operators, Oil, Gas, and	2,550	3,030	480	18.82%	260	Moderate-term on-the-job training
47-5021	Earth Drillers, Except Oil and Gas	410	470	60	14.63%	50	Moderate-term on-the-job training
47-5031	Explosives Workers, Ordnance Handli	380	390	10	2.63%	20	Moderate-term on-the-job training
47-5071	Roustabouts, Oil and Gas	3,830	4,530	700	18.28%	460	Moderate-term on-the-job training
47-5081	Helpers--Extraction Workers	2,560	3,050	490	19.14%	320	Short-term on-the-job training
49-1011	First-Line Supervisors/Managers of M	6,770	6,900	130	1.92%	210	Work experience in a related occup
49-2011	Computer, Automated Teller, and Offi	1,880	1,930	50	2.66%	40	Postsecondary vocational training
49-2022	Telecommunications Equipment Insta	2,050	1,970	-80	-3.90%	50	Postsecondary vocational training
49-2092	Electric Motor, Power Tool, and Relate	450	450	0	0.00%	20	Postsecondary vocational training
49-2093	Electrical and Electronics Installers an	230	240	10	4.35%	10	Postsecondary vocational training
49-2094	Electrical and Electronics Repairers, C	1,190	1,260	70	5.88%	80	Postsecondary vocational training
49-2095	Electrical and Electronics Repairers, F	550	550	0	0.00%	20	Postsecondary vocational training
49-2096	Electronic Equipment Installers and R	300	290	-10	-3.33%	20	Postsecondary vocational training
49-2097	Electronic Home Entertainment Equip	360	370	10	2.78%	10	Postsecondary vocational training
49-2098	Security and Fire Alarm Systems Insta	1,040	1,100	60	5.77%	50	Postsecondary vocational training
49-3011	Aircraft Mechanics and Service Techn	6,150	6,210	60	0.98%	90	Postsecondary vocational training
49-3021	Automotive Body and Related Repaire	3,120	3,170	50	1.60%	100	Long-term on-the-job training
49-3022	Automotive Glass Installers and Repa	80	80	0	0.00%	10	Long-term on-the-job training
49-3023	Automotive Service Technicians and M	8,380	8,590	210	2.51%	270	Postsecondary vocational training
49-3031	Bus and Truck Mechanics and Diesel	4,320	4,490	170	3.94%	170	Postsecondary vocational training
49-3041	Farm Equipment Mechanics	520	530	10	1.92%	20	Long-term on-the-job training
49-3042	Mobile Heavy Equipment Mechanics,	1,530	1,630	100	6.54%	80	Long-term on-the-job training
49-3043	Rail Car Repairers	170	170	0	0.00%	10	Long-term on-the-job training
49-3051	Motorboat Mechanics	350	380	30	8.57%	20	Long-term on-the-job training
49-3052	Motorcycle Mechanics	280	290	10	3.57%	10	Long-term on-the-job training
49-3053	Outdoor Power Equipment and Other	440	440	0	0.00%	10	Moderate-term on-the-job training
49-3092	Recreational Vehicle Service Technici	110	110	0	0.00%	10	Long-term on-the-job training
49-3093	Tire Repairers and Changers	1,530	1,580	50	3.27%	60	Short-term on-the-job training
49-9011	Mechanical Door Repairers	340	360	20	5.88%	20	Moderate-term on-the-job training
49-9012	Control and Valve Installers and Repa	950	970	20	2.11%	30	Moderate-term on-the-job training
49-9021	Heating, Air Conditioning, and Refrige	3,490	3,680	190	5.44%	160	Long-term on-the-job training

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49-9031	Home Appliance Repairers	590	600	10	1.69%	20	Long-term on-the-job training
49-9041	Industrial Machinery Mechanics	3,680	3,910	230	6.25%	170	Long-term on-the-job training
49-9042	Maintenance and Repair Workers, Ge	18,120	18,840	720	3.97%	400	Moderate-term on-the-job training
49-9043	Maintenance Workers, Machinery	1,250	1,290	40	3.20%	40	Moderate-term on-the-job training
49-9044	Millwrights	250	260	10	4.00%	10	Long-term on-the-job training
49-9045	Refractory Materials Repairers, Excep	80	80	0	0.00%	10	Moderate-term on-the-job training
49-9051	Electrical Power-Line Installers and R	1,760	1,840	80	4.55%	100	Long-term on-the-job training
49-9052	Telecommunications Line Installers ar	1,890	1,830	-60	-3.17%	50	Long-term on-the-job training
49-9062	Medical Equipment Repairers	280	290	10	3.57%	20	Associate degree
49-9069	Precision Instrument and Equipment F	230	240	10	4.35%	10	Moderate-term on-the-job training
49-9091	Coin, Vending, and Amusement Mach	680	690	10	1.47%	30	Moderate-term on-the-job training
49-9094	Locksmiths and Safe Repairers	220	230	10	4.55%	10	Moderate-term on-the-job training
49-9097	Signal and Track Switch Repairers	50	50	0	0.00%	0	Moderate-term on-the-job training
49-9098	Helpers--Installation, Maintenance, an	2,620	2,750	130	4.96%	150	Short-term on-the-job training
51-1011	First-Line Supervisors/Managers of Pr	7,790	8,040	250	3.21%	240	Work experience in a related occup
51-2021	Coil Winders, Tapers, and Finishers	190	200	10	5.26%	10	Short-term on-the-job training
51-2022	Electrical and Electronic Equipment A	1,860	1,980	120	6.45%	90	Short-term on-the-job training
51-2023	Electromechanical Equipment Assembl	250	280	30	12.00%	20	Short-term on-the-job training
51-2031	Engine and Other Machine Assembl	750	840	90	12.00%	70	Short-term on-the-job training
51-2041	Structural Metal Fabricators and Fitter	1,790	1,950	160	8.94%	110	Moderate-term on-the-job training
51-2091	Fiberglass Laminators and Fabricator:	810	800	-10	-1.23%	20	Moderate-term on-the-job training
51-2092	Team Assemblers	18,700	19,480	780	4.17%	760	Moderate-term on-the-job training
51-2099	Assemblers and Fabricators, All Other	810	820	10	1.23%	30	Moderate-term on-the-job training
51-3011	Bakers	1,080	1,090	10	0.93%	30	Long-term on-the-job training
51-3021	Butchers and Meat Cutters	1,330	1,270	-60	-4.51%	50	Long-term on-the-job training
51-3022	Meat, Poultry, and Fish Cutters and T	1,040	1,050	10	0.96%	40	Short-term on-the-job training
51-3023	Slaughterers and Meat Packers	2,150	2,190	40	1.86%	90	Moderate-term on-the-job training
51-3092	Food Batchmakers	680	700	20	2.94%	30	Short-term on-the-job training
51-3093	Food Cooking Machine Operators anc	480	490	10	2.08%	30	Short-term on-the-job training
51-4011	Computer-Controlled Machine Tool Op	1,810	1,990	180	9.94%	110	Moderate-term on-the-job training
51-4012	Numerical Tool and Process Control F	310	350	40	12.90%	30	Work experience in a related occup
51-4021	Extruding and Drawing Machine Sette	520	520	0	0.00%	20	Moderate-term on-the-job training

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51-4022	Forging Machine Setters, Operators, and Tenders, Metal	490	480	-10	-2.04%	20	Moderate-term on-the-job training
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal	260	280	20	7.69%	20	Moderate-term on-the-job training
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal	3,540	3,660	120	3.39%	150	Moderate-term on-the-job training
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal	820	830	10	1.22%	30	Moderate-term on-the-job training
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Setters, Operators, and Tenders, Metal	1,240	1,280	40	3.23%	40	Moderate-term on-the-job training
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal	890	910	20	2.25%	30	Moderate-term on-the-job training
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal	470	480	10	2.13%	10	Moderate-term on-the-job training
51-4041	Machinists	7,220	7,790	570	7.89%	380	Long-term on-the-job training
51-4051	Metal-Refining Furnace Operators and Tenders	130	140	10	7.69%	10	Moderate-term on-the-job training
51-4052	Pourers and Casters, Metal	100	110	10	10.00%	10	Moderate-term on-the-job training
51-4061	Model Makers, Metal and Plastic	180	180	0	0.00%	10	Long-term on-the-job training
51-4062	Patternmakers, Metal and Plastic	140	150	10	7.14%	10	Long-term on-the-job training
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	1,120	1,110	-10	-0.89%	30	Moderate-term on-the-job training
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal	1,690	1,860	170	10.06%	120	Moderate-term on-the-job training
51-4111	Tool and Die Makers	420	440	20	4.76%	20	Long-term on-the-job training
51-4121	Welders, Cutters, Solderers, and Brazers	9,900	10,720	820	8.28%	610	Postsecondary vocational training
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders, Metal	820	890	70	8.54%	60	Postsecondary vocational training
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal	390	410	20	5.13%	20	Moderate-term on-the-job training
51-4192	Lay-Out Workers, Metal and Plastic	110	110	0	0.00%	10	Moderate-term on-the-job training
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal	580	600	20	3.45%	30	Moderate-term on-the-job training
51-4194	Tool Grinders, Filers, and Sharpeners	290	310	20	6.90%	20	Moderate-term on-the-job training
51-5011	Bindery Workers	610	570	-40	-6.56%	10	Short-term on-the-job training
51-5022	Prepress Technicians and Workers	550	520	-30	-5.45%	10	Postsecondary vocational training
51-5023	Printing Machine Operators	1,590	1,550	-40	-2.52%	40	Moderate-term on-the-job training
51-6011	Laundry and Dry-Cleaning Workers	3,170	3,180	10	0.32%	80	Moderate-term on-the-job training
51-6021	Pressers, Textile, Garment, and Related	2,050	2,070	20	0.98%	30	Short-term on-the-job training
51-6031	Sewing Machine Operators	1,520	1,560	40	2.63%	40	Moderate-term on-the-job training
51-6052	Tailors, Dressmakers, and Custom Sewers	320	320	0	0.00%	10	Long-term on-the-job training
51-6062	Textile Cutting Machine Setters, Operators, and Tenders, Textile	80	80	0	0.00%	10	Moderate-term on-the-job training
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Plastic and Rubber	170	160	-10	-5.88%	10	Moderate-term on-the-job training
51-6093	Upholsterers	330	310	-20	-6.06%	10	Long-term on-the-job training
51-7011	Cabinetmakers and Bench Carpenters	1,730	1,620	-110	-6.36%	60	Long-term on-the-job training

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51-7021	Furniture Finishers	110	110	0	0.00%	10	Long-term on-the-job training
51-7041	Sawing Machine Setters, Operators, a	370	340	-30	-8.11%	10	Moderate-term on-the-job training
51-7042	Woodworking Machine Setters, Opera	490	480	-10	-2.04%	20	Moderate-term on-the-job training
51-7099	Woodworkers, All Other	200	200	0	0.00%	10	Moderate-term on-the-job training
51-8013	Power Plant Operators	520	540	20	3.85%	30	Long-term on-the-job training
51-8021	Stationary Engineers and Boiler Oper:	300	300	0	0.00%	10	Long-term on-the-job training
51-8031	Water and Liquid Waste Treatment PI	2,240	2,380	140	6.25%	110	Long-term on-the-job training
51-8091	Chemical Plant and System Operators	160	150	-10	-6.25%	10	Long-term on-the-job training
51-8092	Gas Plant Operators	520	530	10	1.92%	20	Long-term on-the-job training
51-8093	Petroleum Pump System Operators, F	1,000	1,110	110	11.00%	90	Long-term on-the-job training
51-9011	Chemical Equipment Operators and T	620	620	0	0.00%	20	Moderate-term on-the-job training
51-9012	Separating, Filtering, Clarifying, Precip	390	380	-10	-2.56%	10	Moderate-term on-the-job training
51-9021	Crushing, Grinding, and Polishing Ma	620	630	10	1.61%	20	Moderate-term on-the-job training
51-9022	Grinding and Polishing Workers, Hand	690	690	0	0.00%	10	Moderate-term on-the-job training
51-9023	Mixing and Blending Machine Setters,	1,960	1,930	-30	-1.53%	30	Moderate-term on-the-job training
51-9031	Cutters and Trimmers, Hand	140	140	0	0.00%	10	Short-term on-the-job training
51-9032	Cutting and Slicing Machine Setters, C	630	620	-10	-1.59%	10	Moderate-term on-the-job training
51-9041	Extruding, Forming, Pressing, and Co	860	830	-30	-3.49%	20	Moderate-term on-the-job training
51-9051	Furnace, Kiln, Oven, Drier, and Kettle	310	310	0	0.00%	10	Moderate-term on-the-job training
51-9061	Inspectors, Testers, Sorters, Sampler:	6,020	6,110	90	1.50%	130	Moderate-term on-the-job training
51-9081	Dental Laboratory Technicians	620	650	30	4.84%	30	Long-term on-the-job training
51-9083	Ophthalmic Laboratory Technicians	540	560	20	3.70%	30	Moderate-term on-the-job training
51-9111	Packaging and Filling Machine Operat	2,440	2,420	-20	-0.82%	50	Short-term on-the-job training
51-9121	Coating, Painting, and Spraying Mach	2,030	2,130	100	4.93%	90	Moderate-term on-the-job training
51-9122	Painters, Transportation Equipment	740	760	20	2.70%	30	Moderate-term on-the-job training
51-9123	Painting, Coating, and Decorating Wo	450	460	10	2.22%	20	Short-term on-the-job training
51-9131	Photographic Process Workers	280	270	-10	-3.57%	20	Moderate-term on-the-job training
51-9192	Cleaning, Washing, and Metal Pickling	230	230	0	0.00%	10	Moderate-term on-the-job training
51-9193	Cooling and Freezing Equipment Ope	110	110	0	0.00%	10	Moderate-term on-the-job training
51-9194	Etchers and Engravers	100	100	0	0.00%	10	Long-term on-the-job training
51-9195	Molders, Shapers, and Casters, Excep	1,170	1,160	-10	-0.85%	30	Moderate-term on-the-job training
51-9196	Paper Goods Machine Setters, Opera	690	650	-40	-5.80%	20	Moderate-term on-the-job training

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51-9197	Tire Builders	1,270	1,200	-70	-5.51%	50	Moderate-term on-the-job training
51-9198	Helpers--Production Workers	8,720	8,980	260	2.98%	360	Short-term on-the-job training
51-9199	Production Workers, All Other	1,510	1,530	20	1.32%	40	Moderate-term on-the-job training
53-1011	Aircraft Cargo Handling Supervisors	100	100	0	0.00%	10	Work experience in a related occup
53-1021	First-Line Supervisors/Managers of H	1,960	2,030	70	3.57%	80	Work experience in a related occup
53-1031	First-Line Supervisors/Managers of Tr	3,060	3,140	80	2.61%	110	Work experience in a related occup
53-2011	Airline Pilots, Copilots, and Flight Eng	160	170	10	6.25%	10	Bachelor's degree
53-2012	Commercial Pilots	370	390	20	5.41%	30	Postsecondary vocational training
53-2021	Air Traffic Controllers	540	570	30	5.56%	30	Long-term on-the-job training
53-2022	Airfield Operations Specialists	130	130	0	0.00%	10	Long-term on-the-job training
53-3021	Bus Drivers, Transit and Intercity	860	910	50	5.81%	40	Moderate-term on-the-job training
53-3022	Bus Drivers, School	4,960	5,040	80	1.61%	100	Moderate-term on-the-job training
53-3031	Driver/Sales Workers	6,580	6,500	-80	-1.22%	110	Short-term on-the-job training
53-3032	Truck Drivers, Heavy and Tractor-Trai	25,320	26,280	960	3.79%	900	Moderate-term on-the-job training
53-3033	Truck Drivers, Light or Delivery Servic	10,170	10,350	180	1.77%	260	Short-term on-the-job training
53-3041	Taxi Drivers and Chauffeurs	1,730	1,780	50	2.89%	50	Short-term on-the-job training
53-4021	Railroad Brake, Signal, and Switch Op	200	200	0	0.00%	10	Moderate-term on-the-job training
53-4031	Railroad Conductors and Yardmasters	320	330	10	3.13%	20	Moderate-term on-the-job training
53-6021	Parking Lot Attendants	690	700	10	1.45%	30	Short-term on-the-job training
53-6031	Service Station Attendants	620	630	10	1.61%	40	Short-term on-the-job training
53-6041	Traffic Technicians	160	170	10	6.25%	10	Short-term on-the-job training
53-6051	Transportation Inspectors	430	460	30	6.98%	30	Work experience in a related occup
53-6099	Transportation Workers, All Other	280	280	0	0.00%	10	Short-term on-the-job training
53-7011	Conveyor Operators and Tenders	610	600	-10	-1.64%	10	Short-term on-the-job training
53-7021	Crane and Tower Operators	500	530	30	6.00%	30	Long-term on-the-job training
53-7032	Excavating and Loading Machine and	1,720	1,810	90	5.23%	80	Moderate-term on-the-job training
53-7033	Loading Machine Operators, Undergr	70	70	0	0.00%	10	Moderate-term on-the-job training
53-7051	Industrial Truck and Tractor Operators	7,500	7,530	30	0.40%	200	Short-term on-the-job training
53-7061	Cleaners of Vehicles and Equipment	4,950	5,080	130	2.63%	280	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Mat	25,660	25,960	300	1.17%	1040	Short-term on-the-job training
53-7063	Machine Feeders and Offbearers	970	940	-30	-3.09%	20	Short-term on-the-job training
53-7064	Packers and Packagers, Hand	6,500	6,230	-270	-4.15%	70	Short-term on-the-job training

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53-7071	Gas Compressor and Gas Pumping S	150	170	20	13.33%	20	Moderate-term on-the-job training
53-7072	Pump Operators, Except Wellhead Pu	640	730	90	14.06%	80	Moderate-term on-the-job training
53-7073	Wellhead Pumpers	2,000	2,310	310	15.50%	250	Moderate-term on-the-job training
53-7081	Refuse and Recyclable Material Colle	2,040	2,090	50	2.45%	90	Short-term on-the-job training
53-7121	Tank Car, Truck, and Ship Loaders	300	310	10	3.33%	20	Moderate-term on-the-job training
53-7199	Material Moving Workers, All Other	140	140	0	0.00%	10	Moderate-term on-the-job training