

OKLAHOMA SHORT-TERM OCCUPATIONAL OUTLOOK, 2012 - 2014

Occupation Code	Occupation Title	2012 2nd Qtr Estimated Employment	2014 2nd Qtr Projected Employment	Employment Change 2012-2014		Average Annual Openings	Typical Education Needed for Entry	Work Experience in a Related Occupation	Typical On-the-Job Training Needed to Attain Competency in the Occupation
				Numeric	Percent				
00-0000	Total, All Occupations	1,763,710	1,784,000	20,280	1.15%	54,120			
11-1011	Chief Executives	7,290	7,260	-30	-0.41%	180	Bachelor's degree	More than 5 years	None
11-1021	General and Operations Managers	30,700	30,520	-180	-0.59%	480	Associate's degree	1 to 5 years	None
11-1031	Legislators	1,100	1,120	20	2.10%	40	Bachelor's degree	1 to 5 years	None
11-2011	Advertising and Promotions Managers	380	380	0	-1.05%	10	Bachelor's degree	1 to 5 years	None
11-2021	Marketing Managers	1,560	1,580	20	1.09%	50	Bachelor's degree	1 to 5 years	None
11-2022	Sales Managers	3,640	3,680	40	1.07%	120	Bachelor's degree	1 to 5 years	None
11-2031	Public Relations and Fundraising Managers	780	780	0	0.00%	20	Bachelor's degree	1 to 5 years	None
11-3011	Administrative Services Managers	3,560	3,600	40	1.24%	90	High school diploma or equivalent	1 to 5 years	None
11-3021	Computer and Information Systems Managers	2,350	2,400	50	1.91%	50	Bachelor's degree	More than 5 years	None
11-3031	Financial Managers	5,920	5,990	70	1.16%	130	Bachelor's degree	More than 5 years	None
11-3051	Industrial Production Managers	2,550	2,600	50	1.84%	80	Bachelor's degree	1 to 5 years	None
11-3061	Purchasing Managers	730	740	10	1.52%	30	Bachelor's degree	More than 5 years	None
11-3071	Transportation, Storage, and Distribution Managers	1,050	1,050	0	0.38%	30	High school diploma or equivalent	More than 5 years	None
11-3111	Compensation and Benefits Managers	570	560	0	-0.70%	10	Bachelor's degree	1 to 5 years	None
11-3121	Human Resources Managers	1,160	1,170	20	1.47%	40	Bachelor's degree	1 to 5 years	None
11-3131	Training and Development Managers	500	510	10	2.02%	20	Bachelor's degree	1 to 5 years	None
11-9013	Farmers, Ranchers, and Other Agricultural Managers	6,640	6,540	-100	-1.48%	120	High school diploma or equivalent	More than 5 years	None
11-9021	Construction Managers	5,620	5,660	40	0.75%	50	Associate's degree	More than 5 years	None
11-9031	Education Administrators, Preschool and Childcare C	950	940	-10	-1.05%	30	Bachelor's degree	1 to 5 years	None
11-9032	Education Administrators, Elementary and Secondar	2,910	2,950	50	1.65%	100	Master's degree	1 to 5 years	None
11-9033	Education Administrators, Postsecondary	1,680	1,660	-20	-1.01%	50	Master's degree	1 to 5 years	None
11-9051	Food Service Managers	3,970	3,910	-60	-1.44%	70	High school diploma or equivalent	1 to 5 years	None
11-9071	Gaming Managers	230	240	10	5.65%	10	Some college, no degree	More than 5 years	None
11-9081	Lodging Managers	820	830	10	1.09%	30	High school diploma or equivalent	1 to 5 years	None
11-9111	Medical and Health Services Managers	5,190	5,260	60	1.23%	140	Bachelor's degree	None	None
11-9121	Natural Sciences Managers	310	310	0	1.30%	10	Bachelor's degree	More than 5 years	None
11-9131	Postmasters and Mail Superintendents	500	470	-30	-5.22%	10	High school diploma or equivalent	1 to 5 years	Moderate-term on-the-job training
11-9141	Property, Real Estate, and Community Association M	5,380	5,340	-40	-0.67%	110	High school diploma or equivalent	1 to 5 years	None
11-9151	Social and Community Service Managers	1,450	1,460	10	0.55%	30	Bachelor's degree	1 to 5 years	None
11-9161	Emergency Management Directors	250	250	10	2.83%	10	Bachelor's degree	1 to 5 years	Long-term on-the-job training
11-9199	Managers, All Other	3,910	3,910	0	0.08%	90	High school diploma or equivalent	1 to 5 years	None
13-1011	Agents and Business Managers of Artists, Performer	110	110	0	0.00%	0	Bachelor's degree	1 to 5 years	None
13-1022	Wholesale and Retail Buyers, Except Farm Products	1,050	1,050	0	0.29%	30	High school diploma or equivalent	None	Long-term on-the-job training
13-1023	Purchasing Agents, Except Wholesale, Retail, and F	3,690	3,730	40	1.11%	110	High school diploma or equivalent	None	Long-term on-the-job training
13-1031	Claims Adjusters, Examiners, and Investigators	4,620	4,680	60	1.32%	150	High school diploma or equivalent	None	Long-term on-the-job training
13-1041	Compliance Officers	2,550	2,640	90	3.37%	60	Bachelor's degree	None	Moderate-term on-the-job training
13-1051	Cost Estimators	1,820	1,880	70	3.69%	70	Bachelor's degree	None	None
13-1078	Human Resources, Training, and Labor Relations Sp	3,930	4,050	120	3.05%	120	Bachelor's degree	None	None
13-1081	Logisticians	2,190	2,280	90	4.07%	80	Bachelor's degree	1 to 5 years	None
13-1111	Management Analysts	6,110	6,250	140	2.32%	160	Bachelor's degree	1 to 5 years	None
13-1121	Meeting, Convention, and Event Planners	910	970	60	6.15%	40	Bachelor's degree	Less than 1 year	None
13-1141	Compensation, Benefits, and Job Analysis Specialist	1,200	1,220	20	1.33%	30	Bachelor's degree	None	None
13-1151	Training and Development Specialists	3,490	3,660	170	4.72%	130	Bachelor's degree	None	None
13-1161	Market Research Analysts and Marketing Specialists	1,950	2,050	90	4.82%	100	Bachelor's degree	None	None
13-1199	Business Operations Specialists, All Other	7,770	7,880	110	1.42%	190	High school diploma or equivalent	Less than 1 year	Long-term on-the-job training
13-2011	Accountants and Auditors	16,610	16,970	360	2.14%	510	Bachelor's degree	None	None
13-2021	Appraisers and Assessors of Real Estate	1,180	1,200	20	1.95%	40	High school diploma or equivalent	None	Apprenticeship
13-2031	Budget Analysts	720	740	20	2.08%	20	Bachelor's degree	None	None
13-2041	Credit Analysts	680	690	10	1.77%	20	Bachelor's degree	None	None
13-2051	Financial Analysts	1,290	1,320	30	2.41%	40	Bachelor's degree	None	None

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				Numeric	Percent				
13-2053	Insurance Underwriters	1,290	1,310	20	1.40%	50	Bachelor's degree	None	Moderate-term on-the-job training
13-2071	Credit Counselors	1,070	1,090	20	1.87%	40	Bachelor's degree	None	Moderate-term on-the-job training
13-2072	Loan Officers	5,040	5,230	190	3.81%	220	High school diploma or equivalent	None	Moderate-term on-the-job training
13-2081	Tax Examiners and Collectors, and Revenue Agents	770	790	30	3.26%	30	Bachelor's degree	None	Moderate-term on-the-job training
13-2082	Tax Preparers	1,070	1,090	20	1.97%	30	High school diploma or equivalent	None	Moderate-term on-the-job training
13-2099	Financial Specialists, All Other	460	460	0	0.44%	10	Bachelor's degree	None	Moderate-term on-the-job training
15-1111	Computer and Information Research Scientists	200	210	10	2.94%	10	Doctoral or professional degree	None	None
15-1121	Computer Systems Analysts	3,180	3,240	60	1.83%	80	Bachelor's degree	None	None
15-1131	Computer Programmers	2,890	2,940	50	1.77%	90	Bachelor's degree	None	None
15-1132	Software Developers, Applications	2,450	2,550	100	4.04%	70	Bachelor's degree	None	None
15-1133	Software Developers, Systems Software	1,560	1,600	40	2.43%	30	Bachelor's degree	None	None
15-1141	Database Administrators	1,110	1,150	40	3.42%	40	Bachelor's degree	1 to 5 years	None
15-1142	Network and Computer Systems Administrators	2,990	3,070	80	2.61%	90	Bachelor's degree	None	None
15-1150	Computer Support Specialists	7,000	7,110	110	1.54%	230	Some college, no degree	None	Moderate-term on-the-job training
15-1179	Information Security Analysts, Web Developers, and	2,210	2,260	50	2.08%	50	Bachelor's degree	1 to 5 years	None
15-1799	Computer Occupations, All Other	1,290	1,300	10	0.46%	30	Bachelor's degree	None	None
15-2011	Actuaries	50	50	0	1.89%	0	Bachelor's degree	None	Long-term on-the-job training
15-2031	Operations Research Analysts	350	360	10	3.46%	20	Bachelor's degree	None	None
15-2041	Statisticians	350	360	10	2.88%	10	Master's degree	None	None
17-1011	Architects, Except Landscape and Naval	710	730	20	2.68%	20	Bachelor's degree	None	Internship/residency
17-1012	Landscape Architects	200	200	0	0.50%	0	Bachelor's degree	None	Internship/residency
17-1021	Cartographers and Photogrammetrists	140	150	10	3.57%	10	Bachelor's degree	None	None
17-1022	Surveyors	940	960	20	2.56%	30	Bachelor's degree	None	None
17-2011	Aerospace Engineers	830	830	10	0.61%	20	Bachelor's degree	None	None
17-2041	Chemical Engineers	330	330	10	2.14%	10	Bachelor's degree	None	None
17-2051	Civil Engineers	2,700	2,750	50	1.93%	80	Bachelor's degree	None	None
17-2061	Computer Hardware Engineers	170	170	0	1.17%	10	Bachelor's degree	None	None
17-2071	Electrical Engineers	1,160	1,170	10	0.60%	30	Bachelor's degree	None	None
17-2072	Electronics Engineers, Except Computer	1,530	1,510	-10	-0.92%	30	Bachelor's degree	None	None
17-2081	Environmental Engineers	440	450	10	1.36%	10	Bachelor's degree	None	None
17-2111	Health and Safety Engineers, Except Mining Safety E	460	470	10	1.30%	10	Bachelor's degree	None	None
17-2112	Industrial Engineers	1,980	2,040	70	3.29%	70	Bachelor's degree	None	None
17-2141	Mechanical Engineers	2,230	2,280	50	2.24%	100	Bachelor's degree	None	None
17-2151	Mining and Geological Engineers, Including Mining S	160	160	10	3.21%	10	Bachelor's degree	None	None
17-2171	Petroleum Engineers	3,740	3,860	120	3.24%	130	Bachelor's degree	None	None
17-2199	Engineers, All Other	1,180	1,180	10	0.60%	30	Bachelor's degree	None	None
17-3011	Architectural and Civil Drafters	1,170	1,160	-10	-0.77%	20	Associate's degree	None	None
17-3012	Electrical and Electronics Drafters	260	260	0	0.38%	10	Associate's degree	None	None
17-3013	Mechanical Drafters	1,470	1,510	40	2.73%	50	Associate's degree	None	None
17-3019	Drafters, All Other	190	190	0	-1.60%	0	Associate's degree	None	None
17-3022	Civil Engineering Technicians	890	900	10	1.35%	20	Associate's degree	None	None
17-3023	Electrical and Electronics Engineering Technicians	1,810	1,820	10	0.72%	40	Associate's degree	None	None
17-3026	Industrial Engineering Technicians	950	960	10	0.63%	20	Associate's degree	None	None
17-3027	Mechanical Engineering Technicians	410	420	10	3.43%	20	Associate's degree	None	None
17-3029	Engineering Technicians, Except Drafters, All Other	1,110	1,130	20	1.35%	30	Associate's degree	None	None
17-3031	Surveying and Mapping Technicians	830	840	20	1.81%	20	High school diploma or equivalent	None	Moderate-term on-the-job training
19-1021	Biochemists and Biophysicists	160	170	10	5.03%	10	Doctoral or professional degree	None	None
19-1029	Biological Scientists, All Other	200	210	10	3.02%	10	Doctoral or professional degree	None	None
19-1031	Conservation Scientists	330	340	10	2.72%	10	Bachelor's degree	None	None
19-1032	Foresters	100	100	0	1.98%	0	Bachelor's degree	None	None
19-1041	Epidemiologists	50	50	0	4.26%	0	Master's degree	None	None
19-1042	Medical Scientists, Except Epidemiologists	250	260	10	4.03%	10	Doctoral or professional degree	None	None

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				Numeric	Percent				
19-2021	Atmospheric and Space Scientists	250	250	-10	-2.76%	0	Bachelor's degree	None	None
19-2031	Chemists	410	420	10	1.21%	20	Bachelor's degree	None	None
19-2041	Environmental Scientists and Specialists, Including H	820	830	20	2.21%	30	Bachelor's degree	None	None
19-2042	Geoscientists, Except Hydrologists and Geographers	1,450	1,500	50	3.24%	60	Bachelor's degree	None	None
19-2099	Physical Scientists, All Other	50	50	0	1.92%	0	Bachelor's degree	None	None
19-3011	Economists	160	160	0	0.00%	10	Bachelor's degree	None	None
19-3022	Survey Researchers	150	160	10	3.25%	10	Bachelor's degree	None	None
19-3031	Clinical, Counseling, and School Psychologists	1,430	1,450	20	1.54%	60	Doctoral or professional degree	None	Internship/residency
19-3039	Psychologists, All Other	150	160	10	4.03%	10	Master's degree	None	Internship/residency
19-3051	Urban and Regional Planners	160	170	10	3.68%	10	Master's degree	None	None
19-3093	Historians	100	100	0	1.01%	0	Master's degree	None	None
19-3099	Social Scientists and Related Workers, All Other	170	180	10	2.94%	10	Bachelor's degree	None	None
19-4031	Chemical Technicians	530	540	10	1.87%	10	Associate's degree	None	Moderate-term on-the-job training
19-4041	Geological and Petroleum Technicians	750	780	20	3.19%	40	Associate's degree	None	Moderate-term on-the-job training
19-4061	Social Science Research Assistants	70	70	0	0.00%	0	Associate's degree	None	None
19-4091	Environmental Science and Protection Technicians,	580	600	10	2.06%	30	Associate's degree	None	Moderate-term on-the-job training
19-4092	Forensic Science Technicians	140	150	0	2.84%	10	Bachelor's degree	None	Moderate-term on-the-job training
19-4093	Forest and Conservation Technicians	200	200	0	2.01%	10	Associate's degree	None	None
19-4099	Life, Physical, and Social Science Technicians, All O	610	600	-10	-0.99%	30	Associate's degree	None	Moderate-term on-the-job training
21-1011	Substance Abuse and Behavioral Disorder Counselo	1,100	1,120	20	1.54%	30	High school diploma or equivalent	None	Moderate-term on-the-job training
21-1012	Educational, Guidance, School, and Vocational Cour	4,130	4,160	20	0.56%	100	Master's degree	None	None
21-1014	Mental Health Counselors	1,610	1,630	20	1.49%	50	Master's degree	None	Internship/residency
21-1015	Rehabilitation Counselors	2,590	2,600	10	0.42%	60	Master's degree	None	None
21-1021	Child, Family, and School Social Workers	4,700	4,720	20	0.38%	120	Bachelor's degree	None	None
21-1022	Healthcare Social Workers	1,590	1,630	40	2.77%	60	Master's degree	None	None
21-1023	Mental Health and Substance Abuse Social Workers	1,480	1,490	10	0.95%	40	Bachelor's degree	None	None
21-1029	Social Workers, All Other	710	720	10	0.70%	20	Bachelor's degree	None	None
21-1091	Health Educators	860	890	30	3.62%	30	Bachelor's degree	None	None
21-1092	Probation Officers and Correctional Treatment Speci	660	680	30	4.43%	30	Bachelor's degree	None	Short-term on-the-job training
21-1093	Social and Human Service Assistants	2,950	2,980	30	1.02%	80	High school diploma or equivalent	None	Short-term on-the-job training
21-1798	Community and Social Service Specialists, All Other	1,320	1,320	0	0.15%	30	Bachelor's degree	None	None
21-2011	Clergy	860	860	10	1.05%	20	Bachelor's degree	None	Moderate-term on-the-job training
23-1011	Lawyers	8,600	8,750	150	1.77%	230	Doctoral or professional degree	None	None
23-1012	Judicial Law Clerks	300	300	10	2.36%	10	Doctoral or professional degree	None	None
23-1021	Administrative Law Judges, Adjudicators, and Hearin	230	230	0	0.87%	10	Bachelor's degree	1 to 5 years	Moderate-term on-the-job training
23-1022	Arbitrators, Mediators, and Conciliators	130	140	0	2.24%	0	Bachelor's degree	1 to 5 years	Moderate-term on-the-job training
23-1023	Judges, Magistrate Judges, and Magistrates	490	490	10	1.03%	10	Doctoral or professional degree	More than 5 years	Short-term on-the-job training
23-2011	Paralegals and Legal Assistants	2,360	2,450	90	3.98%	80	Associate's degree	None	None
23-2091	Court Reporters	130	130	0	-3.03%	0	Postsecondary non-degree award	None	Short-term on-the-job training
23-2093	Title Examiners, Abstractors, and Searchers	940	950	10	0.64%	20	High school diploma or equivalent	None	Short-term on-the-job training
23-2099	Legal Support Workers, All Other	200	200	0	1.52%	0	High school diploma or equivalent	None	Short-term on-the-job training
25-1011	Business Teachers, Postsecondary	1,210	1,200	-20	-1.40%	20	Doctoral or professional degree	None	None
25-1021	Computer Science Teachers, Postsecondary	500	500	0	-0.40%	10	Doctoral or professional degree	None	None
25-1022	Mathematical Science Teachers, Postsecondary	690	680	-10	-1.88%	10	Doctoral or professional degree	None	None
25-1032	Engineering Teachers, Postsecondary	300	300	-10	-1.66%	0	Doctoral or professional degree	None	None
25-1042	Biological Science Teachers, Postsecondary	500	490	-10	-1.59%	10	Doctoral or professional degree	None	None
25-1051	Atmospheric, Earth, Marine, and Space Sciences Te	60	60	0	0.00%	0	Doctoral or professional degree	None	None
25-1052	Chemistry Teachers, Postsecondary	340	330	-10	-1.79%	10	Doctoral or professional degree	None	None
25-1054	Physics Teachers, Postsecondary	190	190	0	-2.11%	0	Doctoral or professional degree	None	None
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postse	70	60	0	-1.54%	0	Doctoral or professional degree	None	None
25-1063	Economics Teachers, Postsecondary	170	170	0	-1.75%	0	Doctoral or professional degree	None	None
25-1064	Geography Teachers, Postsecondary	100	100	0	-1.02%	0	Doctoral or professional degree	None	None

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25-1065	Political Science Teachers, Postsecondary	290	290	0	-1.37%	0	Doctoral or professional degree	None	None
25-1067	Sociology Teachers, Postsecondary	220	210	0	-1.85%	0	Doctoral or professional degree	None	None
25-1071	Health Specialties Teachers, Postsecondary	2,080	2,060	-20	-0.77%	30	Doctoral or professional degree	None	None
25-1072	Nursing Instructors and Teachers, Postsecondary	1,400	1,400	0	-0.07%	20	Master's degree	None	None
25-1081	Education Teachers, Postsecondary	900	890	-20	-1.88%	10	Doctoral or professional degree	None	None
25-1111	Criminal Justice and Law Enforcement Teachers, Po	220	220	0	-1.36%	0	Doctoral or professional degree	None	None
25-1112	Law Teachers, Postsecondary	140	140	0	-2.11%	0	Doctoral or professional degree	None	None
25-1113	Social Work Teachers, Postsecondary	110	100	0	-1.89%	0	Doctoral or professional degree	None	None
25-1121	Art, Drama, and Music Teachers, Postsecondary	1,100	1,090	-20	-1.36%	20	Doctoral or professional degree	None	None
25-1122	Communications Teachers, Postsecondary	470	460	-10	-1.71%	10	Doctoral or professional degree	None	None
25-1123	English Language and Literature Teachers, Postsec	880	860	-20	-1.93%	10	Doctoral or professional degree	None	None
25-1124	Foreign Language and Literature Teachers, Postsec	300	300	-10	-1.99%	0	Doctoral or professional degree	None	None
25-1125	History Teachers, Postsecondary	380	380	-10	-1.83%	10	Doctoral or professional degree	None	None
25-1193	Recreation and Fitness Studies Teachers, Postsec	350	350	-10	-1.99%	10	Master's degree	None	None
25-1194	Vocational Education Teachers, Postsecondary	2,160	2,210	50	2.50%	60	Bachelor's degree	1 to 5 years	None
25-1199	Postsecondary Teachers, All Other	1,460	1,440	-30	-1.71%	20	Master's degree	None	None
25-2011	Preschool Teachers, Except Special Education	5,630	5,560	-60	-1.14%	140	Associate's degree	None	None
25-2012	Kindergarten Teachers, Except Special Education	2,150	2,180	30	1.49%	70	Bachelor's degree	None	Internship/residency
25-2021	Elementary School Teachers, Except Special Educat	16,590	16,820	230	1.40%	460	Bachelor's degree	None	Internship/residency
25-2022	Middle School Teachers, Except Special and Career.	7,860	7,970	110	1.40%	220	Bachelor's degree	None	Internship/residency
25-2023	Career/Technical Education Teachers, Middle Schoc	270	280	0	1.10%	10	Bachelor's degree	1 to 5 years	Internship/residency
25-2031	Secondary School Teachers, Except Special and Ca	12,200	12,360	170	1.37%	420	Bachelor's degree	None	Internship/residency
25-2032	Career/Technical Education Teachers, Secondary S	1,100	1,120	20	1.55%	40	Bachelor's degree	1 to 5 years	Internship/residency
25-2041	Special Education Teachers, Preschool, Kindergarte	1,740	1,760	20	1.38%	60	Bachelor's degree	None	Internship/residency
25-2053	Special Education Teachers, Middle School	1,070	1,080	20	1.41%	40	Bachelor's degree	None	Internship/residency
25-2054	Special Education Teachers, Secondary School	1,290	1,310	20	1.39%	50	Bachelor's degree	None	Internship/residency
25-3011	Adult Basic and Secondary Education and Literacy T	920	930	10	1.53%	20	Bachelor's degree	None	Internship/residency
25-3021	Self-Enrichment Education Teachers	2,110	2,190	90	4.04%	70	High school diploma or equivalent	1 to 5 years	None
25-3999	Teachers and Instructors, All Other	11,630	11,810	190	1.62%	260	Bachelor's degree	None	None
25-4012	Curators	130	140	10	3.82%	10	Master's degree	None	None
25-4013	Museum Technicians and Conservators	140	140	10	5.93%	10	Bachelor's degree	None	None
25-4031	Library Technicians	2,000	2,030	30	1.35%	100	Postsecondary non-degree award	None	None
25-9011	Audio-Visual and Multimedia Collections Specialists	180	180	0	0.00%	0	Bachelor's degree	1 to 5 years	None
25-9031	Instructional Coordinators	1,190	1,200	10	1.09%	30	Master's degree	More than 5 years	None
25-9099	Education, Training, and Library Workers, All Other	890	880	-10	-0.68%	20	Bachelor's degree	None	None
27-1011	Art Directors	200	190	0	-2.02%	0	Bachelor's degree	1 to 5 years	None
27-1013	Fine Artists, Including Painters, Sculptors, and Illustr.	140	140	0	-0.71%	0	High school diploma or equivalent	None	Long-term on-the-job training
27-1014	Multi-Media Artists and Animators	100	100	0	0.00%	0	Bachelor's degree	None	Moderate-term on-the-job training
27-1021	Commercial and Industrial Designers	350	350	0	0.29%	10	Bachelor's degree	None	None
27-1023	Floral Designers	1,170	1,140	-40	-3.07%	40	High school diploma or equivalent	None	Short-term on-the-job training
27-1024	Graphic Designers	2,050	2,030	-10	-0.59%	60	Bachelor's degree	None	None
27-1025	Interior Designers	350	350	0	0.57%	10	Bachelor's degree	None	None
27-1027	Set and Exhibit Designers	110	110	0	1.90%	0	Bachelor's degree	None	None
27-2011	Actors	60	60	0	0.00%	0	Some college, no degree	None	Long-term on-the-job training
27-2012	Producers and Directors	840	810	-30	-3.93%	20	Bachelor's degree	1 to 5 years	None
27-2022	Coaches and Scouts	2,740	2,780	30	1.20%	90	High school diploma or equivalent	None	Long-term on-the-job training
27-2023	Umpires, Referees, and Other Sports Officials	120	120	0	0.00%	0	High school diploma or equivalent	None	Long-term on-the-job training
27-2031	Dancers	80	80	0	0.00%	0	High school diploma or equivalent	None	Long-term on-the-job training
27-2041	Music Directors and Composers	890	890	0	0.22%	20	Bachelor's degree	1 to 5 years	None
27-2042	Musicians and Singers	670	660	0	-0.30%	20	High school diploma or equivalent	None	Long-term on-the-job training
27-3011	Radio and Television Announcers	540	510	-40	-6.80%	20	Bachelor's degree	None	None
27-3012	Public Address System and Other Announcers	100	90	-10	-5.05%	0	High school diploma or equivalent	None	Short-term on-the-job training

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				Numeric	Percent				
27-3022	Reporters and Correspondents	600	560	-40	-6.48%	20	Bachelor's degree	None	None
27-3031	Public Relations Specialists	2,510	2,540	30	1.12%	80	Bachelor's degree	None	Moderate-term on-the-job training
27-3041	Editors	890	870	-30	-3.03%	30	Bachelor's degree	1 to 5 years	None
27-3042	Technical Writers	690	720	30	4.22%	30	Bachelor's degree	1 to 5 years	Short-term on-the-job training
27-3043	Writers and Authors	1,340	1,320	-10	-0.97%	30	Bachelor's degree	None	Long-term on-the-job training
27-3099	Media and Communication Workers, All Other	50	50	0	0.00%	0	High school diploma or equivalent	None	Short-term on-the-job training
27-4011	Audio and Video Equipment Technicians	440	440	0	-0.68%	10	Postsecondary non-degree award	None	Moderate-term on-the-job training
27-4012	Broadcast Technicians	360	340	-20	-5.52%	10	Associate's degree	None	Short-term on-the-job training
27-4021	Photographers	1,830	1,830	10	0.33%	20	High school diploma or equivalent	None	Long-term on-the-job training
27-4031	Camera Operators, Television, Video, and Motion Pi	400	370	-20	-6.03%	10	Bachelor's degree	None	Moderate-term on-the-job training
27-4032	Film and Video Editors	240	230	-10	-4.58%	0	Bachelor's degree	1 to 5 years	None
29-1011	Chiropractors	560	570	10	1.44%	10	Doctoral or professional degree	None	None
29-1021	Dentists, General	1,670	1,680	0	0.24%	50	Doctoral or professional degree	None	Internship/residency
29-1023	Orthodontists	130	130	0	0.00%	0	Doctoral or professional degree	None	Internship/residency
29-1029	Dentists, All Other Specialists	150	150	0	0.69%	0	Doctoral or professional degree	None	Internship/residency
29-1031	Dietitians and Nutritionists	1,040	1,050	20	1.45%	40	Bachelor's degree	None	Internship/residency
29-1041	Optometrists	760	770	10	1.72%	30	Doctoral or professional degree	None	None
29-1051	Pharmacists	3,930	4,050	120	3.08%	150	Doctoral or professional degree	None	None
29-1061	Anesthesiologists	170	170	0	0.58%	0	Doctoral or professional degree	None	Internship/residency
29-1062	Family and General Practitioners	2,670	2,700	30	0.97%	60	Doctoral or professional degree	None	Internship/residency
29-1063	Internists, General	560	560	0	0.71%	10	Doctoral or professional degree	None	Internship/residency
29-1064	Obstetricians and Gynecologists	130	130	0	2.31%	0	Doctoral or professional degree	None	Internship/residency
29-1065	Pediatricians, General	210	210	0	0.96%	10	Doctoral or professional degree	None	Internship/residency
29-1066	Psychiatrists	320	330	0	0.93%	10	Doctoral or professional degree	None	Internship/residency
29-1067	Surgeons	620	630	10	0.81%	10	Doctoral or professional degree	None	Internship/residency
29-1071	Physician Assistants	1,490	1,510	20	1.00%	30	Master's degree	None	None
29-1081	Podiatrists	50	50	0	0.00%	0	Doctoral or professional degree	None	Internship/residency
29-1111	Registered Nurses	33,470	34,210	750	2.24%	880	Associate's degree	None	None
29-1122	Occupational Therapists	1,210	1,250	30	2.80%	40	Master's degree	None	None
29-1123	Physical Therapists	2,430	2,490	60	2.60%	60	Doctoral or professional degree	None	None
29-1124	Radiation Therapists	370	370	0	0.54%	10	Associate's degree	None	None
29-1125	Recreational Therapists	300	310	0	0.33%	10	Bachelor's degree	None	None
29-1126	Respiratory Therapists	1,560	1,600	50	2.96%	50	Associate's degree	None	None
29-1127	Speech-Language Pathologists	1,500	1,530	30	2.06%	40	Master's degree	None	None
29-1131	Veterinarians	870	920	40	4.81%	40	Doctoral or professional degree	None	None
29-1181	Audiologists	230	230	0	1.76%	0	Doctoral or professional degree	None	None
29-1199	Health Diagnosing and Treating Practitioners, All Oth	190	190	10	2.67%	10	Master's degree	None	None
29-2011	Medical and Clinical Laboratory Technologists	2,380	2,370	-10	-0.29%	40	Bachelor's degree	None	None
29-2012	Medical and Clinical Laboratory Technicians	1,990	1,990	-10	-0.35%	30	Associate's degree	None	None
29-2021	Dental Hygienists	1,910	1,930	20	1.00%	40	Associate's degree	None	None
29-2031	Cardiovascular Technologists and Technicians	730	750	20	2.90%	20	Associate's degree	None	None
29-2032	Diagnostic Medical Sonographers	750	780	30	3.88%	20	Associate's degree	None	None
29-2033	Nuclear Medicine Technologists	260	270	0	0.76%	10	Associate's degree	None	None
29-2037	Radiologic Technologists and Technicians	3,110	3,180	70	2.29%	80	Associate's degree	None	None
29-2041	Emergency Medical Technicians and Paramedics	3,320	3,440	120	3.59%	120	Postsecondary non-degree award	None	None
29-2051	Dietetic Technicians	460	460	0	0.65%	10	High school diploma or equivalent	None	Moderate-term on-the-job training
29-2052	Pharmacy Technicians	4,970	5,180	210	4.25%	180	High school diploma or equivalent	None	Moderate-term on-the-job training
29-2053	Psychiatric Technicians	1,010	1,020	10	1.19%	20	Postsecondary non-degree award	None	Short-term on-the-job training
29-2054	Respiratory Therapy Technicians	370	360	0	-0.82%	10	Associate's degree	None	Moderate-term on-the-job training
29-2055	Surgical Technologists	2,210	2,230	20	0.82%	40	Postsecondary non-degree award	None	None
29-2056	Veterinary Technologists and Technicians	800	860	60	7.75%	40	Associate's degree	None	None
29-2061	Licensed Practical and Licensed Vocational Nurses	15,300	15,420	120	0.80%	460	Postsecondary non-degree award	None	None

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29-2071	Medical Records and Health Information Technicians	3,550	3,590	40	1.13%	80	Postsecondary non-degree award	None	None
29-2081	Opticians, Dispensing	870	880	10	1.15%	20	High school diploma or equivalent	None	Long-term on-the-job training
29-2091	Orthotists and Prosthetists	110	110	0	0.00%	0	Master's degree	None	None
29-2799	Health Technologists and Technicians, All Other	500	510	10	1.20%	10	Postsecondary non-degree award	None	Short-term on-the-job training
29-9011	Occupational Health and Safety Specialists	690	700	10	1.31%	30	Bachelor's degree	None	Moderate-term on-the-job training
29-9012	Occupational Health and Safety Technicians	110	120	0	1.77%	10	High school diploma or equivalent	None	Moderate-term on-the-job training
29-9091	Athletic Trainers	310	310	0	0.33%	10	Bachelor's degree	None	None
29-9799	Healthcare Practitioners and Technical Workers, All Other	280	280	0	0.73%	10	Bachelor's degree	None	None
31-1011	Home Health Aides	8,150	8,690	530	6.53%	360	Less than high school	None	Short-term on-the-job training
31-1012	Nursing Aides, Orderlies, and Attendants	23,520	23,680	160	0.67%	340	Postsecondary non-degree award	None	None
31-1013	Psychiatric Aides	800	810	0	0.25%	10	High school diploma or equivalent	None	Short-term on-the-job training
31-2011	Occupational Therapy Assistants	570	590	10	2.26%	10	Associate's degree	None	None
31-2012	Occupational Therapy Aides	80	80	0	1.32%	0	High school diploma or equivalent	None	Short-term on-the-job training
31-2021	Physical Therapist Assistants	1,290	1,330	40	3.10%	40	Associate's degree	None	None
31-2022	Physical Therapist Aides	710	730	20	2.39%	20	High school diploma or equivalent	None	Moderate-term on-the-job training
31-9011	Massage Therapists	640	650	20	2.35%	20	Postsecondary non-degree award	None	None
31-9091	Dental Assistants	3,650	3,660	10	0.25%	70	Postsecondary non-degree award	None	None
31-9092	Medical Assistants	6,030	6,070	50	0.80%	110	High school diploma or equivalent	None	Moderate-term on-the-job training
31-9095	Pharmacy Aides	690	720	30	3.89%	20	High school diploma or equivalent	None	Short-term on-the-job training
31-9799	Healthcare Support Workers, All Other	1,680	1,680	10	0.48%	30	High school diploma or equivalent	None	Short-term on-the-job training
33-1011	First-Line Supervisors of Correctional Officers	650	660	10	1.38%	30	High school diploma or equivalent	1 to 5 years	Moderate-term on-the-job training
33-1012	First-Line Supervisors of Police and Detectives	1,340	1,380	40	2.68%	70	High school diploma or equivalent	1 to 5 years	Moderate-term on-the-job training
33-1021	First-Line Supervisors of Fire Fighting and Prevention Workers	1,440	1,500	60	4.03%	100	Postsecondary non-degree award	1 to 5 years	None
33-1099	First-Line Supervisors of Protective Service Workers	550	560	10	1.28%	20	High school diploma or equivalent	1 to 5 years	None
33-2022	Forest Fire Inspectors and Prevention Specialists	170	170	0	0.00%	0	High school diploma or equivalent	More than 5 years	Moderate-term on-the-job training
33-3011	Bailiffs	60	70	0	3.17%	0	High school diploma or equivalent	None	Moderate-term on-the-job training
33-3012	Correctional Officers and Jailers	6,820	6,980	160	2.36%	190	High school diploma or equivalent	None	Moderate-term on-the-job training
33-3021	Detectives and Criminal Investigators	1,250	1,290	40	3.12%	40	High school diploma or equivalent	1 to 5 years	Moderate-term on-the-job training
33-3031	Fish and Game Wardens	110	110	0	-0.91%	0	High school diploma or equivalent	None	Short-term on-the-job training
33-3051	Police and Sheriff's Patrol Officers	8,130	8,430	300	3.74%	380	High school diploma or equivalent	None	Moderate-term on-the-job training
33-9011	Animal Control Workers	410	420	20	4.20%	20	High school diploma or equivalent	None	Moderate-term on-the-job training
33-9031	Gaming Surveillance Officers and Gaming Investigators	430	450	20	3.49%	10	High school diploma or equivalent	None	Short-term on-the-job training
33-9032	Security Guards	11,660	11,930	270	2.32%	310	High school diploma or equivalent	None	Short-term on-the-job training
33-9091	Crossing Guards	450	450	10	1.34%	20	High school diploma or equivalent	None	Short-term on-the-job training
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protection Workers	1,570	1,600	30	2.04%	180	High school diploma or equivalent	None	Short-term on-the-job training
33-9093	Transportation Security Screeners (Federal Only)	340	360	20	5.60%	10	High school diploma or equivalent	None	Moderate-term on-the-job training
35-1011	Chefs and Head Cooks	1,330	1,330	-10	-0.53%	20	High school diploma or equivalent	1 to 5 years	None
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	10,280	10,440	170	1.62%	300	High school diploma or equivalent	1 to 5 years	None
35-2011	Cooks, Fast Food	8,040	8,000	-40	-0.50%	180	Less than high school	None	Short-term on-the-job training
35-2012	Cooks, Institution and Cafeteria	9,250	9,370	120	1.32%	270	Less than high school	None	Short-term on-the-job training
35-2014	Cooks, Restaurant	12,110	12,410	300	2.46%	420	Less than high school	Less than 1 year	Moderate-term on-the-job training
35-2015	Cooks, Short Order	1,850	1,870	20	0.92%	50	Less than high school	None	Short-term on-the-job training
35-2021	Food Preparation Workers	7,580	7,710	130	1.77%	380	Less than high school	None	Short-term on-the-job training
35-3011	Bartenders	4,700	4,750	50	1.04%	180	Less than high school	None	Short-term on-the-job training
35-3021	Combined Food Preparation and Serving Workers, Including Short Order Cooks	32,520	33,440	920	2.84%	1,530	Less than high school	None	Short-term on-the-job training
35-3022	Counter Attendants, Cafeteria, Food Concession, and Snack Bar	5,290	5,330	40	0.76%	630	Less than high school	None	Short-term on-the-job training
35-3031	Waiters and Waitresses	32,210	32,750	540	1.68%	1,980	Less than high school	None	Short-term on-the-job training
35-3041	Food Servers, Nonrestaurant	2,220	2,240	20	1.08%	80	Less than high school	None	Short-term on-the-job training
35-9011	Dining Room and Cafeteria Attendants and Bartending Helpers	3,930	3,960	30	0.71%	220	Less than high school	None	Short-term on-the-job training
35-9021	Dishwashers	5,050	5,110	50	1.07%	340	Less than high school	None	Short-term on-the-job training
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	3,620	3,660	40	1.11%	390	Less than high school	None	None
35-9099	Food Preparation and Serving Related Workers, All Other	60	60	0	-1.75%	0	Less than high school	None	Short-term on-the-job training

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				Numeric	Percent				
37-1011	First-Line Supervisors of Housekeeping and Janitori	3,170	3,140	-30	-0.88%	30	High school diploma or equivalent	1 to 5 years	None
37-1012	First-Line Supervisors of Landscaping, Lawn Service	2,480	2,510	30	1.29%	50	High school diploma or equivalent	1 to 5 years	None
37-2011	Janitors and Cleaners, Except Maids and Housekeep	25,110	25,290	180	0.73%	530	Less than high school	None	Short-term on-the-job training
37-2012	Maids and Housekeeping Cleaners	12,030	12,050	20	0.18%	190	Less than high school	None	Short-term on-the-job training
37-2019	Building Cleaning Workers, All Other	80	80	0	0.00%	0	High school diploma or equivalent	None	Short-term on-the-job training
37-2021	Pest Control Workers	810	830	20	2.97%	50	High school diploma or equivalent	None	Moderate-term on-the-job training
37-3011	Landscaping and Groundskeeping Workers	12,020	12,270	250	2.08%	330	Less than high school	None	Short-term on-the-job training
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vege	670	670	0	-0.15%	10	High school diploma or equivalent	None	Moderate-term on-the-job training
37-3013	Tree Trimmers and Pruners	1,330	1,360	30	1.95%	40	High school diploma or equivalent	None	Short-term on-the-job training
37-3019	Grounds Maintenance Workers, All Other	300	310	0	0.66%	10	Less than high school	None	Short-term on-the-job training
39-1011	Gaming Supervisors	820	840	20	2.82%	30	High school diploma or equivalent	1 to 5 years	None
39-1012	Slot Supervisors	730	750	20	3.17%	20	High school diploma or equivalent	1 to 5 years	None
39-1021	First-Line Supervisors of Personal Service Workers	1,730	1,730	0	-0.12%	40	High school diploma or equivalent	1 to 5 years	None
39-2011	Animal Trainers	890	880	-10	-1.34%	10	High school diploma or equivalent	None	Moderate-term on-the-job training
39-2021	Nonfarm Animal Caretakers	1,940	2,010	70	3.45%	80	Less than high school	None	Short-term on-the-job training
39-3011	Gaming Dealers	1,510	1,590	70	4.90%	120	High school diploma or equivalent	None	Moderate-term on-the-job training
39-3012	Gaming and Sports Book Writers and Runners	470	480	10	2.79%	30	High school diploma or equivalent	None	Short-term on-the-job training
39-3019	Gaming Service Workers, All Other	180	190	10	5.62%	20	High school diploma or equivalent	None	Moderate-term on-the-job training
39-3021	Motion Picture Projectionists	100	100	0	-3.88%	10	Less than high school	None	Short-term on-the-job training
39-3031	Ushers, Lobby Attendants, and Ticket Takers	1,010	1,000	-10	-0.99%	80	Less than high school	None	Short-term on-the-job training
39-3091	Amusement and Recreation Attendants	1,440	1,470	20	1.59%	120	Less than high school	None	Short-term on-the-job training
39-3093	Locker Room, Coatroom, and Dressing Room Attenc	320	330	10	3.49%	30	High school diploma or equivalent	None	Short-term on-the-job training
39-4021	Funeral Attendants	480	490	10	2.09%	20	High school diploma or equivalent	None	Short-term on-the-job training
39-5012	Hairdressers, Hairstylists, and Cosmetologists	3,740	3,820	80	2.00%	110	Postsecondary non-degree award	None	None
39-9011	Childcare Workers	12,760	12,730	-30	-0.24%	410	High school diploma or equivalent	None	Short-term on-the-job training
39-9021	Personal Care Aides	12,450	13,220	770	6.22%	470	Less than high school	None	Short-term on-the-job training
39-9031	Fitness Trainers and Aerobics Instructors	3,090	3,130	40	1.23%	70	High school diploma or equivalent	None	Short-term on-the-job training
39-9032	Recreation Workers	3,460	3,510	40	1.27%	80	Bachelor's degree	None	None
39-9041	Residential Advisors	690	690	-10	-0.72%	20	Some college, no degree	Less than 1 year	Short-term on-the-job training
39-9099	Personal Care and Service Workers, All Other	560	570	0	0.35%	10	High school diploma or equivalent	None	Short-term on-the-job training
41-1011	First-Line Supervisors of Retail Sales Workers	24,280	24,400	120	0.49%	600	High school diploma or equivalent	1 to 5 years	None
41-1012	First-Line Supervisors of Non-Retail Sales Workers	3,520	3,490	-30	-0.80%	90	High school diploma or equivalent	More than 5 years	None
41-2011	Cashiers	42,410	43,130	730	1.72%	2,840	Less than high school	None	Short-term on-the-job training
41-2012	Gaming Change Persons and Booth Cashiers	510	510	0	-0.78%	30	High school diploma or equivalent	None	Short-term on-the-job training
41-2021	Counter and Rental Clerks	4,590	4,560	-40	-0.81%	120	Less than high school	None	Short-term on-the-job training
41-2022	Parts Salespersons	3,510	3,590	80	2.22%	190	Less than high school	None	Moderate-term on-the-job training
41-2031	Retail Salespersons	48,190	48,860	670	1.40%	1,820	Less than high school	None	Short-term on-the-job training
41-3011	Advertising Sales Agents	1,350	1,300	-50	-3.71%	40	High school diploma or equivalent	None	Moderate-term on-the-job training
41-3021	Insurance Sales Agents	5,320	5,550	220	4.19%	230	High school diploma or equivalent	None	Moderate-term on-the-job training
41-3031	Securities, Commodities, and Financial Services Sal	1,940	1,980	30	1.70%	70	Bachelor's degree	None	Moderate-term on-the-job training
41-3041	Travel Agents	390	370	-20	-4.38%	0	High school diploma or equivalent	None	Moderate-term on-the-job training
41-3099	Sales Representatives, Services, All Other	3,500	3,480	-20	-0.69%	100	High school diploma or equivalent	None	Short-term on-the-job training
41-4011	Sales Representatives, Wholesale and Manufacturin	5,870	5,920	40	0.73%	160	Bachelor's degree	None	Moderate-term on-the-job training
41-4012	Sales Representatives, Wholesale and Manufacturin	17,370	17,590	220	1.28%	510	High school diploma or equivalent	None	Moderate-term on-the-job training
41-9011	Demonstrators and Product Promoters	300	300	10	3.05%	10	High school diploma or equivalent	None	Short-term on-the-job training
41-9021	Real Estate Brokers	2,040	2,040	-10	-0.24%	40	High school diploma or equivalent	1 to 5 years	None
41-9022	Real Estate Sales Agents	5,340	5,370	30	0.60%	130	High school diploma or equivalent	None	Long-term on-the-job training
41-9031	Sales Engineers	240	250	0	0.82%	10	Bachelor's degree	None	Moderate-term on-the-job training
41-9041	Telemarketers	4,700	4,450	-250	-5.24%	120	Less than high school	None	Short-term on-the-job training
41-9091	Door-to-Door Sales Workers, News and Street Vend	720	700	-20	-3.04%	20	High school diploma or equivalent	None	Short-term on-the-job training
41-9799	Sales and Related Workers, All Other	2,640	2,660	30	1.02%	80	High school diploma or equivalent	None	Moderate-term on-the-job training
43-1011	First-Line Supervisors of Office and Administrative S	19,150	19,310	160	0.84%	570	High school diploma or equivalent	1 to 5 years	None

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Occupation Code	Occupation Title	2012 2nd Qtr Estimated Employment	2014 2nd Qtr Projected Employment	Employment Change 2012-2014		Average Annual Openings	Typical Education Needed for Entry	Work Experience in a Related Occupation	Typical On-the-Job Training Needed to Attain Competency in the Occupation
				Numeric	Percent				
43-2011	Switchboard Operators, Including Answering Service	1,800	1,700	-100	-5.62%	30	High school diploma or equivalent	None	Short-term on-the-job training
43-3011	Bill and Account Collectors	4,750	4,700	-40	-0.93%	90	High school diploma or equivalent	None	Moderate-term on-the-job training
43-3021	Billing and Posting Clerks	5,930	6,040	110	1.84%	150	High school diploma or equivalent	None	Short-term on-the-job training
43-3031	Bookkeeping, Accounting, and Auditing Clerks	35,330	35,800	470	1.34%	620	High school diploma or equivalent	None	Moderate-term on-the-job training
43-3041	Gaming Cage Workers	870	860	-10	-0.69%	20	High school diploma or equivalent	None	Short-term on-the-job training
43-3051	Payroll and Timekeeping Clerks	2,850	2,900	50	1.72%	80	High school diploma or equivalent	None	Moderate-term on-the-job training
43-3061	Procurement Clerks	1,240	1,250	10	0.81%	30	High school diploma or equivalent	None	Moderate-term on-the-job training
43-3071	Tellers	8,140	8,250	110	1.38%	420	High school diploma or equivalent	None	Short-term on-the-job training
43-4011	Brokerage Clerks	190	190	0	-1.06%	10	High school diploma or equivalent	None	Moderate-term on-the-job training
43-4031	Court, Municipal, and License Clerks	2,510	2,630	110	4.54%	130	High school diploma or equivalent	None	Moderate-term on-the-job training
43-4041	Credit Authorizers, Checkers, and Clerks	360	360	0	0.85%	10	High school diploma or equivalent	None	Short-term on-the-job training
43-4051	Customer Service Representatives	28,350	28,490	140	0.50%	850	High school diploma or equivalent	None	Short-term on-the-job training
43-4061	Eligibility Interviewers, Government Programs	850	850	0	0.47%	20	Associate's degree	None	Moderate-term on-the-job training
43-4071	File Clerks	2,040	1,980	-60	-2.85%	60	High school diploma or equivalent	None	Short-term on-the-job training
43-4081	Hotel, Motel, and Resort Desk Clerks	2,880	2,960	70	2.53%	160	High school diploma or equivalent	None	Short-term on-the-job training
43-4111	Interviewers, Except Eligibility and Loan	1,640	1,640	0	-0.12%	30	High school diploma or equivalent	None	Short-term on-the-job training
43-4121	Library Assistants, Clerical	1,430	1,460	30	2.38%	90	High school diploma or equivalent	None	Short-term on-the-job training
43-4131	Loan Interviewers and Clerks	1,790	1,790	0	-0.11%	30	High school diploma or equivalent	None	Short-term on-the-job training
43-4141	New Accounts Clerks	970	980	10	1.45%	40	High school diploma or equivalent	None	Short-term on-the-job training
43-4151	Order Clerks	1,690	1,680	-10	-0.41%	50	High school diploma or equivalent	None	Short-term on-the-job training
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	2,070	2,090	20	0.87%	70	High school diploma or equivalent	None	Short-term on-the-job training
43-4171	Receptionists and Information Clerks	10,760	10,910	150	1.36%	420	High school diploma or equivalent	None	Short-term on-the-job training
43-4199	Information and Record Clerks, All Other	3,270	3,270	0	0.09%	90	High school diploma or equivalent	None	Short-term on-the-job training
43-5011	Cargo and Freight Agents	650	650	0	0.46%	20	High school diploma or equivalent	None	Short-term on-the-job training
43-5021	Couriers and Messengers	1,410	1,410	0	0.14%	40	High school diploma or equivalent	None	Short-term on-the-job training
43-5031	Police, Fire, and Ambulance Dispatchers	2,020	2,100	80	3.90%	70	High school diploma or equivalent	None	Moderate-term on-the-job training
43-5032	Dispatchers, Except Police, Fire, and Ambulance	1,570	1,590	20	1.34%	40	High school diploma or equivalent	None	Moderate-term on-the-job training
43-5041	Meter Readers, Utilities	870	900	30	3.33%	40	High school diploma or equivalent	None	Short-term on-the-job training
43-5051	Postal Service Clerks	600	540	-60	-10.68%	10	High school diploma or equivalent	None	Short-term on-the-job training
43-5052	Postal Service Mail Carriers	3,650	3,610	-40	-1.12%	110	High school diploma or equivalent	None	Short-term on-the-job training
43-5053	Postal Service Mail Sorters, Processors, and Processing Clerks	1,320	1,180	-140	-10.62%	10	High school diploma or equivalent	None	Short-term on-the-job training
43-5061	Production, Planning, and Expediting Clerks	3,910	3,910	0	-0.03%	100	High school diploma or equivalent	None	Moderate-term on-the-job training
43-5071	Shipping, Receiving, and Traffic Clerks	7,330	7,240	-80	-1.13%	180	High school diploma or equivalent	None	Short-term on-the-job training
43-5081	Stock Clerks and Order Fillers	18,320	18,160	-160	-0.88%	470	Less than high school	None	Short-term on-the-job training
43-5111	Weighers, Measurers, Checkers, and Samplers, Record Keepers	640	660	20	2.97%	30	High school diploma or equivalent	None	Short-term on-the-job training
43-6011	Executive Secretaries and Executive Administrative Assistants	12,750	12,850	110	0.82%	220	High school diploma or equivalent	1 to 5 years	None
43-6012	Legal Secretaries	3,190	3,230	40	1.19%	60	High school diploma or equivalent	None	Moderate-term on-the-job training
43-6013	Medical Secretaries	5,660	5,800	140	2.53%	150	High school diploma or equivalent	None	Moderate-term on-the-job training
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Secretarial	31,040	30,940	-100	-0.32%	410	High school diploma or equivalent	None	Short-term on-the-job training
43-9011	Computer Operators	820	800	-20	-2.69%	10	High school diploma or equivalent	None	Moderate-term on-the-job training
43-9021	Data Entry Keyers	2,390	2,350	-50	-1.92%	50	High school diploma or equivalent	None	Moderate-term on-the-job training
43-9022	Word Processors and Typists	570	560	-10	-2.46%	0	High school diploma or equivalent	None	Short-term on-the-job training
43-9031	Desktop Publishers	120	110	0	-1.72%	0	Associate's degree	None	Short-term on-the-job training
43-9041	Insurance Claims and Policy Processing Clerks	2,000	2,030	30	1.70%	70	High school diploma or equivalent	None	Moderate-term on-the-job training
43-9051	Mail Clerks and Mail Machine Operators, Except Post Office Clerks	1,060	1,040	-20	-1.88%	20	High school diploma or equivalent	None	Short-term on-the-job training
43-9061	Office Clerks, General	38,610	38,950	340	0.88%	820	High school diploma or equivalent	None	Short-term on-the-job training
43-9071	Office Machine Operators, Except Computer Operators	750	730	-20	-2.68%	20	High school diploma or equivalent	None	Short-term on-the-job training
43-9799	Office and Administrative Support Workers, All Other	1,510	1,530	10	0.73%	40	High school diploma or equivalent	None	Short-term on-the-job training
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	970	950	-20	-2.17%	30	High school diploma or equivalent	1 to 5 years	None
45-2011	Agricultural Inspectors	230	230	0	-0.88%	10	Bachelor's degree	None	Moderate-term on-the-job training
45-2041	Graders and Sorters, Agricultural Products	550	530	-20	-2.92%	10	Less than high school	None	Short-term on-the-job training
45-2091	Agricultural Equipment Operators	1,250	1,230	-20	-1.68%	40	Less than high school	Less than 1 year	Short-term on-the-job training

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				Numeric	Percent				
45-2092	Farmworkers and Laborers, Crop, Nursery, and Green	12,870	12,610	-270	-2.07%	420	Less than high school	None	Short-term on-the-job training
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	2,990	2,950	-40	-1.40%	100	Less than high school	None	Short-term on-the-job training
45-4011	Forest and Conservation Workers	80	80	0	1.23%	0	High school diploma or equivalent	None	Moderate-term on-the-job training
45-4029	Logging Workers, All Other	120	120	-10	-4.17%	0	High school diploma or equivalent	None	Moderate-term on-the-job training
47-1011	First-Line Supervisors of Construction Trades and Ex	9,590	9,780	180	1.91%	310	High school diploma or equivalent	More than 5 years	None
47-2011	Boilermakers	320	330	10	2.52%	20	High school diploma or equivalent	None	Apprenticeship
47-2021	Brickmasons and Blockmasons	950	990	50	5.19%	40	High school diploma or equivalent	None	Apprenticeship
47-2022	Stonemasons	370	380	10	1.62%	10	High school diploma or equivalent	None	Apprenticeship
47-2031	Carpenters	11,030	11,100	80	0.72%	260	High school diploma or equivalent	None	Apprenticeship
47-2041	Carpet Installers	370	370	0	-0.81%	10	Less than high school	None	Short-term on-the-job training
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	280	280	0	-1.41%	10	High school diploma or equivalent	None	Moderate-term on-the-job training
47-2044	Tile and Marble Setters	670	690	20	2.54%	20	Less than high school	None	Long-term on-the-job training
47-2051	Cement Masons and Concrete Finishers	3,310	3,470	160	4.77%	130	Less than high school	None	Moderate-term on-the-job training
47-2061	Construction Laborers	12,850	13,200	350	2.72%	260	Less than high school	None	Short-term on-the-job training
47-2071	Paving, Surfacing, and Tamping Equipment Operato	2,360	2,380	20	0.89%	60	High school diploma or equivalent	None	Moderate-term on-the-job training
47-2073	Operating Engineers and Other Construction Equipm	5,130	5,340	210	3.99%	210	High school diploma or equivalent	None	Moderate-term on-the-job training
47-2081	Drywall and Ceiling Tile Installers	1,230	1,270	40	2.93%	50	Less than high school	None	Moderate-term on-the-job training
47-2082	Tapers	100	100	0	1.96%	0	Less than high school	None	Moderate-term on-the-job training
47-2111	Electricians	7,590	7,800	210	2.81%	300	High school diploma or equivalent	None	Apprenticeship
47-2121	Glaziers	320	330	20	5.71%	20	High school diploma or equivalent	None	Apprenticeship
47-2131	Insulation Workers, Floor, Ceiling, and Wall	410	420	10	2.43%	20	Less than high school	None	Short-term on-the-job training
47-2132	Insulation Workers, Mechanical	230	240	10	3.88%	10	High school diploma or equivalent	None	Apprenticeship
47-2141	Painters, Construction and Maintenance	5,560	5,620	60	1.13%	150	Less than high school	None	Moderate-term on-the-job training
47-2151	Pipelayers	1,350	1,420	70	5.35%	70	High school diploma or equivalent	None	Short-term on-the-job training
47-2152	Plumbers, Pipefitters, and Steamfitters	5,810	6,000	180	3.17%	260	High school diploma or equivalent	None	Apprenticeship
47-2171	Reinforcing Iron and Rebar Workers	100	110	10	7.77%	10	High school diploma or equivalent	None	Apprenticeship
47-2181	Roofers	1,500	1,520	20	1.26%	40	Less than high school	None	Moderate-term on-the-job training
47-2211	Sheet Metal Workers	3,470	3,510	50	1.30%	80	High school diploma or equivalent	None	Apprenticeship
47-2221	Structural Iron and Steel Workers	700	710	10	1.28%	20	High school diploma or equivalent	None	Apprenticeship
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons,	420	450	30	8.19%	30	Less than high school	None	Short-term on-the-job training
47-3012	Helpers--Carpenters	1,060	1,090	30	2.74%	50	Less than high school	None	Short-term on-the-job training
47-3013	Helpers--Electricians	1,720	1,780	60	3.50%	80	High school diploma or equivalent	None	Short-term on-the-job training
47-3014	Helpers--Painters, Paperhangers, Plasterers, and St	50	50	0	2.17%	0	Less than high school	None	Short-term on-the-job training
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Stea	840	880	50	5.75%	50	High school diploma or equivalent	None	Short-term on-the-job training
47-3016	Helpers--Roofers	100	100	0	0.00%	0	Less than high school	None	Short-term on-the-job training
47-3019	Helpers, Construction Trades, All Other	300	310	10	3.68%	20	Less than high school	None	Short-term on-the-job training
47-4011	Construction and Building Inspectors	1,030	1,070	40	3.70%	50	High school diploma or equivalent	More than 5 years	Moderate-term on-the-job training
47-4031	Fence Erectors	360	370	10	2.49%	10	High school diploma or equivalent	None	Moderate-term on-the-job training
47-4041	Hazardous Materials Removal Workers	360	370	10	2.53%	10	High school diploma or equivalent	None	Moderate-term on-the-job training
47-4051	Highway Maintenance Workers	3,470	3,620	150	4.35%	160	High school diploma or equivalent	None	Moderate-term on-the-job training
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	560	590	20	3.90%	20	Less than high school	None	Moderate-term on-the-job training
47-4799	Construction and Related Workers, All Other	130	130	0	1.56%	10	High school diploma or equivalent	None	Moderate-term on-the-job training
47-5011	Derrick Operators, Oil and Gas	2,090	2,160	60	3.01%	70	Less than high school	None	Short-term on-the-job training
47-5012	Rotary Drill Operators, Oil and Gas	3,000	3,080	70	2.43%	100	Less than high school	None	Moderate-term on-the-job training
47-5013	Service Unit Operators, Oil, Gas, and Mining	4,150	4,260	120	2.80%	140	Less than high school	None	Moderate-term on-the-job training
47-5021	Earth Drillers, Except Oil and Gas	940	930	-10	-0.85%	20	High school diploma or equivalent	None	Moderate-term on-the-job training
47-5031	Explosives Workers, Ordnance Handling Experts, an	550	550	0	0.55%	10	High school diploma or equivalent	None	Moderate-term on-the-job training
47-5041	Continuous Mining Machine Operators	170	170	0	0.60%	0	High school diploma or equivalent	None	Moderate-term on-the-job training
47-5051	Rock Splitters, Quarry	230	240	10	2.16%	10	High school diploma or equivalent	None	Moderate-term on-the-job training
47-5071	Roustabouts, Oil and Gas	6,080	6,230	160	2.57%	200	Less than high school	None	Moderate-term on-the-job training
47-5081	Helpers--Extraction Workers	1,560	1,590	20	1.54%	40	High school diploma or equivalent	None	Short-term on-the-job training
47-5099	Extraction Workers, All Other	130	130	0	-0.78%	0	High school diploma or equivalent	None	Moderate-term on-the-job training

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				Numeric	Percent				
49-1011	First-Line Supervisors of Mechanics, Installers, and I	5,800	5,850	50	0.86%	160	High school diploma or equivalent	1 to 5 years	None
49-2011	Computer, Automated Teller, and Office Machine Re	1,040	1,040	0	0.00%	20	Postsecondary non-degree award	None	None
49-2022	Telecommunications Equipment Installers and Repai	1,560	1,490	-60	-4.05%	30	Postsecondary non-degree award	None	Moderate-term on-the-job training
49-2092	Electric Motor, Power Tool, and Related Repairers	200	190	-10	-3.08%	0	Postsecondary non-degree award	None	Long-term on-the-job training
49-2093	Electrical and Electronics Installers and Repairers, T	70	70	0	0.00%	0	Postsecondary non-degree award	None	Long-term on-the-job training
49-2094	Electrical and Electronics Repairers, Commercial and	1,250	1,270	10	0.96%	30	Postsecondary non-degree award	None	Long-term on-the-job training
49-2095	Electrical and Electronics Repairers, Powerhouse, Si	320	340	10	4.04%	10	Postsecondary non-degree award	None	Long-term on-the-job training
49-2096	Electronic Equipment Installers and Repairers, Moto	280	280	0	-0.72%	10	Postsecondary non-degree award	None	Short-term on-the-job training
49-2097	Electronic Home Entertainment Equipment Installers	360	360	10	1.40%	10	Postsecondary non-degree award	None	None
49-2098	Security and Fire Alarm Systems Installers	560	590	30	4.82%	30	High school diploma or equivalent	None	Moderate-term on-the-job training
49-3011	Aircraft Mechanics and Service Technicians	5,910	5,800	-110	-1.78%	170	Postsecondary non-degree award	None	None
49-3021	Automotive Body and Related Repairers	2,160	2,160	0	0.19%	50	High school diploma or equivalent	None	Moderate-term on-the-job training
49-3023	Automotive Service Technicians and Mechanics	9,020	9,110	100	1.05%	280	High school diploma or equivalent	None	Long-term on-the-job training
49-3031	Bus and Truck Mechanics and Diesel Engine Specia	4,520	4,570	50	1.11%	110	High school diploma or equivalent	None	Long-term on-the-job training
49-3041	Farm Equipment Mechanics and Service Technician	510	520	20	2.96%	20	High school diploma or equivalent	None	Long-term on-the-job training
49-3042	Mobile Heavy Equipment Mechanics, Except Engine	1,850	1,910	60	3.19%	70	High school diploma or equivalent	None	Long-term on-the-job training
49-3043	Rail Car Repairers	220	220	0	1.86%	10	High school diploma or equivalent	None	Long-term on-the-job training
49-3051	Motorboat Mechanics and Service Technicians	130	130	0	0.78%	0	High school diploma or equivalent	None	Long-term on-the-job training
49-3052	Motorcycle Mechanics	310	320	10	2.88%	10	High school diploma or equivalent	None	Long-term on-the-job training
49-3053	Outdoor Power Equipment and Other Small Engine R	350	350	0	1.16%	10	High school diploma or equivalent	None	Moderate-term on-the-job training
49-3092	Recreational Vehicle Service Technicians	110	110	0	0.93%	0	High school diploma or equivalent	None	Long-term on-the-job training
49-3093	Tire Repairers and Changers	1,500	1,520	20	1.34%	50	High school diploma or equivalent	None	Moderate-term on-the-job training
49-9012	Control and Valve Installers and Repairers, Except M	1,230	1,250	20	1.62%	30	High school diploma or equivalent	None	Moderate-term on-the-job training
49-9021	Heating, Air Conditioning, and Refrigeration Mechan	3,300	3,440	150	4.40%	120	Postsecondary non-degree award	None	Long-term on-the-job training
49-9031	Home Appliance Repairers	980	970	0	-0.21%	20	High school diploma or equivalent	None	Moderate-term on-the-job training
49-9041	Industrial Machinery Mechanics	5,280	5,490	210	4.04%	200	High school diploma or equivalent	None	Long-term on-the-job training
49-9043	Maintenance Workers, Machinery	2,220	2,240	20	0.90%	50	High school diploma or equivalent	None	Moderate-term on-the-job training
49-9044	Millwrights	110	110	0	-2.65%	0	High school diploma or equivalent	None	Long-term on-the-job training
49-9045	Refractory Materials Repairers, Except Brickmasons	100	100	0	1.04%	0	Postsecondary non-degree award	None	Moderate-term on-the-job training
49-9051	Electrical Power-Line Installers and Repairers	1,990	2,110	120	6.08%	120	High school diploma or equivalent	None	Long-term on-the-job training
49-9052	Telecommunications Line Installers and Repairers	1,660	1,590	-70	-3.93%	30	High school diploma or equivalent	None	Long-term on-the-job training
49-9062	Medical Equipment Repairers	520	540	20	3.08%	20	Associate's degree	None	Moderate-term on-the-job training
49-9069	Precision Instrument and Equipment Repairers, All C	210	220	10	2.34%	10	Associate's degree	None	Long-term on-the-job training
49-9071	Maintenance and Repair Workers, General	16,290	16,440	160	0.96%	350	High school diploma or equivalent	None	Moderate-term on-the-job training
49-9091	Coin, Vending, and Amusement Machine Servicers &	580	600	20	3.98%	20	High school diploma or equivalent	None	Short-term on-the-job training
49-9094	Locksmiths and Safe Repairers	540	560	10	2.39%	20	High school diploma or equivalent	None	Long-term on-the-job training
49-9096	Riggers	170	170	0	1.79%	10	High school diploma or equivalent	None	Short-term on-the-job training
49-9097	Signal and Track Switch Repairers	110	110	0	-0.89%	0	Postsecondary non-degree award	None	Moderate-term on-the-job training
49-9098	Helpers--Installation, Maintenance, and Repair Work	2,420	2,470	50	2.19%	160	High school diploma or equivalent	None	Moderate-term on-the-job training
49-9799	Installation, Maintenance, and Repair Workers, All O	1,470	1,470	0	-0.14%	20	High school diploma or equivalent	None	Moderate-term on-the-job training
51-1011	First-Line Supervisors of Production and Operating W	8,240	8,240	0	-0.04%	110	Postsecondary non-degree award	1 to 5 years	None
51-2021	Coil Winders, Tapers, and Finishers	180	170	-10	-5.68%	0	High school diploma or equivalent	None	Short-term on-the-job training
51-2022	Electrical and Electronic Equipment Assemblers	1,460	1,460	0	-0.21%	20	High school diploma or equivalent	None	Short-term on-the-job training
51-2023	Electromechanical Equipment Assemblers	390	380	-10	-1.79%	10	High school diploma or equivalent	None	Short-term on-the-job training
51-2031	Engine and Other Machine Assemblers	700	740	40	5.29%	30	High school diploma or equivalent	None	Short-term on-the-job training
51-2041	Structural Metal Fabricators and Fitters	1,740	1,790	60	3.23%	60	High school diploma or equivalent	None	Moderate-term on-the-job training
51-2091	Fiberglass Laminators and Fabricators	360	350	-20	-4.13%	10	High school diploma or equivalent	None	Moderate-term on-the-job training
51-2092	Team Assemblers	16,200	16,440	240	1.48%	440	High school diploma or equivalent	None	Moderate-term on-the-job training
51-2099	Assemblers and Fabricators, All Other	1,730	1,790	60	3.41%	60	High school diploma or equivalent	None	Moderate-term on-the-job training
51-3011	Bakers	1,750	1,750	0	-0.17%	50	Less than high school	None	Long-term on-the-job training
51-3021	Butchers and Meat Cutters	1,850	1,840	-10	-0.43%	50	Less than high school	None	Long-term on-the-job training
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	2,060	2,080	20	0.87%	70	Less than high school	None	Short-term on-the-job training

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				Numeric	Percent				
51-3023	Slaughterers and Meat Packers	640	630	-10	-0.78%	20	Less than high school	None	Moderate-term on-the-job training
51-3091	Food and Tobacco Roasting, Baking, and Drying Ma	190	190	0	0.00%	10	Less than high school	None	Moderate-term on-the-job training
51-3092	Food Batchmakers	470	460	-10	-1.92%	10	High school diploma or equivalent	Less than 1 year	Short-term on-the-job training
51-3093	Food Cooking Machine Operators and Tenders	590	590	-10	-1.01%	20	High school diploma or equivalent	Less than 1 year	Short-term on-the-job training
51-4011	Computer-Controlled Machine Tool Operators, Metal	1,470	1,520	60	3.89%	60	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4012	Computer Numerically Controlled Machine Tool Prog	200	210	10	2.99%	10	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4021	Extruding and Drawing Machine Setters, Operators,	620	610	-10	-0.81%	10	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4022	Forging Machine Setters, Operators, and Tenders, M	320	320	0	0.31%	10	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4023	Rolling Machine Setters, Operators, and Tenders, M	280	280	10	2.55%	10	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4031	Cutting, Punching, and Press Machine Setters, Oper	1,980	2,000	20	0.91%	30	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4032	Drilling and Boring Machine Tool Setters, Operators,	540	540	0	0.00%	10	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4033	Grinding, Lapping, Polishing, and Buffing Machine T	1,290	1,280	-10	-0.47%	20	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4034	Lathe and Turning Machine Tool Setters, Operators,	890	920	30	2.91%	50	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4041	Machinists	7,210	7,360	160	2.16%	210	High school diploma or equivalent	None	Long-term on-the-job training
51-4052	Pourers and Casters, Metal	110	110	0	3.77%	0	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4071	Foundry Mold and Coremakers	200	210	10	2.94%	10	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4072	Molding, Coremaking, and Casting Machine Setters,	910	910	0	-0.33%	20	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4081	Multiple Machine Tool Setters, Operators, and Tenc	690	710	10	1.87%	20	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4111	Tool and Die Makers	470	470	0	0.21%	0	High school diploma or equivalent	None	Long-term on-the-job training
51-4121	Welders, Cutters, Solderers, and Brazers	11,910	12,210	300	2.50%	460	High school diploma or equivalent	Less than 1 year	Moderate-term on-the-job training
51-4122	Welding, Soldering, and Brazing Machine Setters, O	930	940	10	1.29%	30	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4192	Lay-Out Workers, Metal and Plastic	60	60	0	1.64%	0	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4193	Plating and Coating Machine Setters, Operators, and	360	370	10	1.66%	10	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4194	Tool Grinders, Filers, and Sharpeners	170	170	0	1.82%	0	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4199	Metal Workers and Plastic Workers, All Other	290	290	0	-0.35%	0	High school diploma or equivalent	None	Moderate-term on-the-job training
51-5111	Prepress Technicians and Workers	470	420	-50	-10.36%	10	Postsecondary non-degree award	None	None
51-5112	Printing Press Operators	1,750	1,600	-150	-8.62%	30	High school diploma or equivalent	None	Moderate-term on-the-job training
51-5113	Print Binding and Finishing Workers	290	260	-30	-10.88%	10	High school diploma or equivalent	None	Short-term on-the-job training
51-6011	Laundry and Dry-Cleaning Workers	3,470	3,460	-10	-0.17%	60	Less than high school	None	Short-term on-the-job training
51-6021	Pressers, Textile, Garment, and Related Materials	670	660	-10	-1.78%	0	Less than high school	None	Short-term on-the-job training
51-6031	Sewing Machine Operators	1,080	1,030	-50	-4.74%	10	Less than high school	None	Short-term on-the-job training
51-6041	Shoe and Leather Workers and Repairers	250	250	0	0.80%	10	High school diploma or equivalent	None	Moderate-term on-the-job training
51-6052	Tailors, Dressmakers, and Custom Sewers	140	140	0	-0.72%	0	Less than high school	None	Moderate-term on-the-job training
51-6091	Extruding and Forming Machine Setters, Operators,	70	70	0	-5.63%	0	High school diploma or equivalent	None	Moderate-term on-the-job training
51-6093	Upholsterers	510	500	-10	-1.97%	10	High school diploma or equivalent	None	Moderate-term on-the-job training
51-7011	Cabinetmakers and Bench Carpenters	970	970	-10	-0.82%	20	High school diploma or equivalent	None	Moderate-term on-the-job training
51-7041	Sawing Machine Setters, Operators, and Tenders, W	660	660	10	1.22%	20	High school diploma or equivalent	None	Short-term on-the-job training
51-7042	Woodworking Machine Setters, Operators, and Tenc	210	210	0	-1.43%	0	High school diploma or equivalent	None	Short-term on-the-job training
51-7099	Woodworkers, All Other	180	180	0	-0.56%	0	High school diploma or equivalent	None	Moderate-term on-the-job training
51-8013	Power Plant Operators	150	160	0	1.97%	10	High school diploma or equivalent	None	Long-term on-the-job training
51-8021	Stationary Engineers and Boiler Operators	540	550	0	0.74%	10	High school diploma or equivalent	None	Long-term on-the-job training
51-8031	Water and Wastewater Treatment Plant and System	2,070	2,160	90	4.49%	100	High school diploma or equivalent	None	Long-term on-the-job training
51-8091	Chemical Plant and System Operators	260	270	0	1.52%	10	High school diploma or equivalent	None	Long-term on-the-job training
51-8092	Gas Plant Operators	390	390	0	1.03%	10	High school diploma or equivalent	None	Long-term on-the-job training
51-8093	Petroleum Pump System Operators, Refinery Opera	2,380	2,350	-20	-0.93%	80	High school diploma or equivalent	None	Long-term on-the-job training
51-8099	Plant and System Operators, All Other	100	100	0	0.00%	0	High school diploma or equivalent	None	Long-term on-the-job training
51-9011	Chemical Equipment Operators and Tenders	360	370	10	2.47%	10	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9012	Separating, Filtering, Clarifying, Precipitating, and St	290	290	10	2.81%	10	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9021	Crushing, Grinding, and Polishing Machine Setters, (460	460	-10	-1.30%	10	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9022	Grinding and Polishing Workers, Hand	320	320	0	-0.31%	10	Less than high school	None	Moderate-term on-the-job training
51-9023	Mixing and Blending Machine Setters, Operators, an	1,350	1,340	-10	-0.67%	40	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9031	Cutters and Trimmers, Hand	110	110	0	-3.60%	0	Less than high school	None	Short-term on-the-job training

OKLAHOMA SHORT-TERM OCCUPATIONAL OUTLOOK, 2012 - 2014

Occupation Code	Occupation Title	2012 2nd Qtr Estimated Employment	2014 2nd Qtr Projected Employment	Employment Change 2012-2014		Average Annual Openings	Typical Education Needed for Entry	Work Experience in a Related Occupation	Typical On-the-Job Training Needed to Attain Competency in the Occupation
				Numeric	Percent				
51-9032	Cutting and Slicing Machine Setters, Operators, and	610	600	-20	-2.61%	10	High school diploma or equivalent	None	Short-term on-the-job training
51-9041	Extruding, Forming, Pressing, and Compacting Mact	1,130	1,090	-50	-3.98%	30	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators anc	660	630	-30	-4.41%	20	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9061	Inspectors, Testers, Sorters, Samplers, and Weigher	7,290	7,410	120	1.67%	220	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9081	Dental Laboratory Technicians	350	340	-10	-2.29%	10	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9082	Medical Appliance Technicians	90	90	0	0.00%	0	High school diploma or equivalent	None	Long-term on-the-job training
51-9083	Ophthalmic Laboratory Technicians	350	350	10	1.43%	10	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9111	Packaging and Filling Machine Operators and Tende	3,070	3,030	-50	-1.50%	50	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9121	Coating, Painting, and Spraying Machine Setters, O	1,680	1,710	30	1.55%	50	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9122	Painters, Transportation Equipment	930	910	-10	-1.40%	20	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9141	Semiconductor Processors	70	60	-10	-8.96%	0	Associate's degree	None	Moderate-term on-the-job training
51-9151	Photographic Process Workers and Processing Mac	630	620	-20	-2.52%	20	High school diploma or equivalent	None	Short-term on-the-job training
51-9192	Cleaning, Washing, and Metal Pickling Equipment O	120	110	0	-1.72%	0	Less than high school	None	Moderate-term on-the-job training
51-9193	Cooling and Freezing Equipment Operators and Ten	230	230	0	0.86%	10	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9198	Helpers--Production Workers	6,170	6,240	70	1.18%	160	Less than high school	None	Short-term on-the-job training
51-9399	Production Workers, All Other	1,500	1,510	10	0.47%	40	High school diploma or equivalent	None	Moderate-term on-the-job training
53-1011	Aircraft Cargo Handling Supervisors	130	130	0	0.78%	0	High school diploma or equivalent	1 to 5 years	None
53-1021	First-Line Supervisors of Helpers, Laborers, and Mat	1,930	1,990	60	2.95%	60	High school diploma or equivalent	1 to 5 years	None
53-1031	First-Line Supervisors of Transportation and Materia	3,600	3,590	-10	-0.36%	60	High school diploma or equivalent	1 to 5 years	None
53-2011	Airline Pilots, Copilots, and Flight Engineers	250	260	0	0.79%	10	Bachelor's degree	1 to 5 years	Moderate-term on-the-job training
53-2012	Commercial Pilots	730	730	0	0.14%	30	Postsecondary non-degree award	None	None
53-2021	Air Traffic Controllers	430	440	10	1.61%	20	Associate's degree	None	Long-term on-the-job training
53-3021	Bus Drivers, Transit and Intercity	1,010	1,030	20	1.98%	30	High school diploma or equivalent	None	Moderate-term on-the-job training
53-3022	Bus Drivers, School or Special Client	4,600	4,670	60	1.39%	110	High school diploma or equivalent	None	Moderate-term on-the-job training
53-3031	Driver/Sales Workers	6,150	6,210	70	1.06%	150	High school diploma or equivalent	None	Short-term on-the-job training
53-3032	Heavy and Tractor-Trailer Truck Drivers	26,890	27,290	400	1.49%	700	High school diploma or equivalent	1 to 5 years	Short-term on-the-job training
53-3033	Light Truck or Delivery Services Drivers	8,330	8,360	40	0.43%	170	High school diploma or equivalent	None	Short-term on-the-job training
53-3041	Taxi Drivers and Chauffeurs	1,320	1,340	20	1.44%	20	Less than high school	None	Short-term on-the-job training
53-4011	Locomotive Engineers	310	310	0	0.64%	10	High school diploma or equivalent	1 to 5 years	Moderate-term on-the-job training
53-4031	Railroad Conductors and Yardmasters	300	310	0	0.66%	10	High school diploma or equivalent	None	Moderate-term on-the-job training
53-5021	Captains, Mates, and Pilots of Water Vessels	50	50	0	-1.92%	0	Bachelor's degree	None	None
53-6011	Bridge and Lock Tenders	50	50	0	2.13%	0	Less than high school	None	Short-term on-the-job training
53-6021	Parking Lot Attendants	800	790	-10	-1.13%	20	Less than high school	None	Short-term on-the-job training
53-6031	Automotive and Watercraft Service Attendants	970	1,010	40	4.13%	60	Less than high school	None	Short-term on-the-job training
53-6041	Traffic Technicians	60	60	0	3.57%	0	Less than high school	None	Short-term on-the-job training
53-6051	Transportation Inspectors	330	340	10	1.51%	10	Some college, no degree	None	Short-term on-the-job training
53-6061	Transportation Attendants, Except Flight Attendants	170	170	0	1.82%	0	High school diploma or equivalent	None	Short-term on-the-job training
53-7011	Conveyor Operators and Tenders	550	550	-10	-1.26%	20	Less than high school	None	Short-term on-the-job training
53-7021	Crane and Tower Operators	420	430	10	1.65%	20	Less than high school	1 to 5 years	Long-term on-the-job training
53-7032	Excavating and Loading Machine and Dragline Oper	2,490	2,540	50	2.13%	100	Less than high school	1 to 5 years	Moderate-term on-the-job training
53-7051	Industrial Truck and Tractor Operators	4,840	4,870	30	0.70%	150	Less than high school	Less than 1 year	Short-term on-the-job training
53-7061	Cleaners of Vehicles and Equipment	4,240	4,230	-10	-0.14%	150	Less than high school	None	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, H	26,080	26,420	340	1.31%	1,020	Less than high school	None	Short-term on-the-job training
53-7063	Machine Feeders and Offbearers	660	630	-40	-5.29%	10	Less than high school	None	Short-term on-the-job training
53-7064	Packers and Packagers, Hand	5,140	5,140	0	-0.04%	150	Less than high school	None	Short-term on-the-job training
53-7071	Gas Compressor and Gas Pumping Station Operato	150	150	0	0.00%	0	Less than high school	None	Moderate-term on-the-job training
53-7072	Pump Operators, Except Wellhead Pumpers	730	730	10	0.83%	30	Less than high school	None	Moderate-term on-the-job training
53-7073	Wellhead Pumpers	1,730	1,750	20	0.92%	60	Less than high school	Less than 1 year	Moderate-term on-the-job training
53-7081	Refuse and Recyclable Material Collectors	1,920	1,980	60	3.02%	90	Less than high school	None	Short-term on-the-job training
53-7121	Tank Car, Truck, and Ship Loaders	100	100	0	0.00%	0	Less than high school	None	Short-term on-the-job training