

OKLAHOMA SHORT-TERM INDUSTRY EMPLOYMENT PROJECTIONS, 2012 - 2014

Industry Title	2012 2nd Qtr Estimated Employment	2014 2nd Qtr Projected Employment	Employment Change 2012 - 2014	
			Numeric	Percent
Total Employment¹	1,763,710	1,784,000	20,280	1.15%
Goods-Producing	291,470	294,250	2,780	0.95%
Natural Resources and Mining	86,200	86,540	330	0.38%
Construction	69,940	72,650	2,710	3.87%
Manufacturing	135,320	135,060	-260	-0.19%
Services-Providing	1,356,420	1,374,210	17,790	1.31%
Trade, Transportation, and Utilities	289,740	293,100	3,360	1.16%
Information	22,650	21,450	-1,200	-5.31%
Financial Activities	80,060	80,770	710	0.89%
Professional and Business Services	177,920	182,890	4,970	2.79%
Education and Health Services	389,540	392,780	3,240	0.83%
Leisure and Hospitality	150,040	152,630	2,590	1.72%
Other Services (Except Government)	61,980	61,900	-80	-0.13%
Government	184,480	188,690	4,210	2.28%
Total Self-Employed and Unpaid Family Workers²	115,820	115,540	-280	-0.25%
Self-Employed Workers	114,080	113,820	-260	-0.22%
Unpaid Family Workers	1,740	1,720	-30	-1.61%
Agriculture³	28,230	27,600	-620	-2.21%
Mining	57,980	58,930	950	1.65%
Oil and Gas Extraction	23,930	24,370	440	1.82%
Mining (except Oil and Gas)	1,920	1,940	20	1.04%
Support Activities for Mining	32,130	32,630	500	1.55%
Utilities	11,680	11,830	150	1.32%
Construction	69,940	72,650	2,710	3.87%
Construction of Buildings	13,030	12,730	-300	-2.33%

OKLAHOMA SHORT-TERM INDUSTRY EMPLOYMENT PROJECTIONS, 2012 - 2014

Industry Title	2012 2nd Qtr Estimated Employment	2014 2nd Qtr Projected Employment	Employment Change 2012 - 2014	
			Numeric	Percent
Heavy and Civil Engineering Construction	14,020	15,260	1,240	8.81%
Specialty Trade Contractors	42,890	44,670	1,770	4.13%
Manufacturing	135,320	135,060	-260	-0.19%
Food Manufacturing	15,220	14,950	-270	-1.77%
Beverage and Tobacco Product Manufacturing	2,630	2,680	50	1.75%
Textile Mills	210	210	0	-0.94%
Textile Product Mills	600	520	-80	-13.95%
Apparel Manufacturing	870	900	40	4.15%
Leather and Allied Product Manufacturing	330	340	10	2.44%
Wood Product Manufacturing	1,740	1,750	10	0.52%
Paper Manufacturing	2,790	2,840	50	1.76%
Printing and Related Support Activities	2,660	2,180	-490	-18.26%
Petroleum and Coal Products Manufacturing	2,300	2,290	-10	-0.35%
Chemical Manufacturing	3,400	3,480	80	2.39%
Plastics and Rubber Products Manufacturing	10,060	9,780	-280	-2.77%
Nonmetallic Mineral Product Manufacturing	6,840	6,640	-200	-2.87%
Primary Metal Manufacturing	4,740	4,880	140	2.87%
Fabricated Metal Product Manufacturing	24,170	24,650	480	2.00%
Machinery Manufacturing	29,960	31,460	1,500	5.00%
Computer and Electronic Product Manufacturing	5,110	4,710	-400	-7.79%
Electrical Equipment, Appliance, and Component Manufacturing	2,950	2,810	-140	-4.65%
Transportation Equipment Manufacturing	13,070	12,540	-530	-4.08%
Furniture and Related Product Manufacturing	1,970	1,920	-50	-2.74%
Miscellaneous Manufacturing	3,730	3,560	-160	-4.32%
Wholesale Trade	60,780	61,870	1,090	1.79%
Merchant Wholesalers, Durable Goods	28,780	29,580	800	2.79%
Merchant Wholesalers, Nondurable Goods	24,130	24,300	170	0.72%
Wholesale Electronic Markets and Agents and Brokers	7,880	7,990	110	1.45%
Retail Trade	172,720	175,070	2,350	1.36%
Motor Vehicle and Parts Dealers	24,280	24,790	500	2.08%
Furniture and Home Furnishings Stores	4,740	4,770	30	0.65%

OKLAHOMA SHORT-TERM INDUSTRY EMPLOYMENT PROJECTIONS, 2012 - 2014

Industry Title	2012 2nd Qtr Estimated Employment	2014 2nd Qtr Projected Employment	Employment Change 2012 - 2014	
			Numeric	Percent
Electronics and Appliance Stores	5,360	5,500	130	2.48%
Building Material and Garden Equipment and Supplies Dealers	16,060	16,190	130	0.80%
Food and Beverage Stores	20,380	20,040	-340	-1.66%
Health and Personal Care Stores	11,550	12,040	490	4.24%
Gasoline Stations	15,030	15,640	610	4.07%
Clothing and Clothing Accessories Stores	11,580	11,850	270	2.33%
Sporting Goods, Hobby, Book, and Music Stores	6,050	5,950	-100	-1.64%
General Merchandise Stores	45,430	46,440	1,010	2.22%
Miscellaneous Store Retailers	10,080	9,730	-350	-3.43%
Nonstore Retailers	2,180	2,130	-50	-2.11%
Transportation and Warehousing	44,560	44,330	-230	-0.52%
Air Transportation	7,570	7,140	-430	-5.71%
Rail Transportation	*	*	*	*
Truck Transportation	18,060	18,240	180	0.99%
Transit and Ground Passenger Transport	1,000	1,000	0	0.20%
Pipeline Transportation	1,930	1,920	-20	-0.78%
Scenic and Sightseeing Transportation	*	*	*	*
Support Activities for Transportation	5,940	5,980	40	0.67%
Couriers and Messengers	3,910	3,880	-30	-0.77%
Warehousing and Storage	4,060	4,090	40	0.89%
Information	22,650	21,450	-1,200	-5.31%
Publishing Industries	5,360	5,200	-160	-2.93%
Motion Picture and Sound Recording Industries	1,980	1,900	-90	-4.39%
Broadcasting (except Internet)	3,070	2,750	-320	-10.44%
Telecommunications	10,340	9,740	-600	-5.79%
Internet Service Providers, Web Search Portals, and Data Processing Services	1,480	1,440	-40	-2.64%
Other Information Services	420	420	0	0.24%
Finance and Insurance	58,350	59,410	1,060	1.82%
Monetary Authorities - Central Bank	*	*	*	*
Credit Intermediation and Related Activities	31,970	32,520	550	1.71%
Securities, Commodity Contracts, and Other Financial Investments and Related Activities	4,190	4,290	100	2.29%

OKLAHOMA SHORT-TERM INDUSTRY EMPLOYMENT PROJECTIONS, 2012 - 2014

Industry Title	2012 2nd Qtr Estimated Employment	2014 2nd Qtr Projected Employment	Employment Change 2012 - 2014	
			Numeric	Percent
Insurance Carriers and Related Activities Funds, Trusts, and Other Financial Vehicles	21,910 *	22,350 *	450 *	2.03% *
Real Estate and Rental and Leasing	21,710	21,360	-350	-1.62%
Real Estate	10,940	10,920	-30	-0.23%
Rental and Leasing Services	10,400	10,090	-310	-3.00%
Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)	360	350	-10	-3.85%
Professional, Scientific, and Technical Services	65,910	68,370	2,460	3.74%
Management of Companies and Enterprises	15,900	16,290	390	2.45%
Administrative and Support and Waste Management and Remediation Services	96,110	98,230	2,120	2.20%
Administrative and Support Services	92,810	94,920	2,110	2.27%
Waste Management and Remediation Service	3,300	3,310	10	0.24%
Educational Services	170,110	170,830	720	0.42%
Health Care and Social Assistance	219,440	221,950	2,520	1.15%
Ambulatory Health Care Services	71,320	72,880	1,550	2.18%
Hospitals	84,050	85,070	1,020	1.21%
Nursing and Residential Care Facilities	34,560	34,660	100	0.29%
Social Assistance	29,500	29,350	-150	-0.52%
Arts, Entertainment, and Recreation	15,210	15,340	130	0.83%
Performing Arts, Spectator Sports, and Related Industries	2,650	2,670	30	0.94%
Museums, Historical Sites, and Similar Institution	900	970	70	7.32%
Amusement, Gambling, and Recreation Industries	11,670	11,700	40	0.31%
Accommodation and Food Services	134,830	137,290	2,460	1.83%
Accommodation	13,120	13,420	300	2.27%
Food Services and Drinking Places	121,710	123,870	2,160	1.78%
Other Services (Except Government)	61,980	61,900	-80	-0.13%

OKLAHOMA SHORT-TERM INDUSTRY EMPLOYMENT PROJECTIONS, 2012 - 2014

Industry Title	2012 2nd Qtr Estimated Employment	2014 2nd Qtr Projected Employment	Employment Change 2012 - 2014	
			Numeric	Percent
Repair and Maintenance	14,190	14,140	-60	-0.39%
Personal and Laundry Services	12,430	12,600	170	1.39%
Religious, Grantmaking, Civic, Professional, and Similar Organizations	33,470	33,450	-10	-0.04%
Private Households	1,900	1,710	-190	-9.91%
Government	184,480	188,690	4,210	2.28%
Federal Government	48,440	48,670	230	0.47%
Federal Government, Excluding Postal Service	41,540	42,080	540	1.31%
Postal Service	6,910	6,590	-320	-4.56%
State Government, Excluding Education and Hospitals	35,540	35,410	-120	-0.35%
Local Government, Excluding Education and Hospitals	100,500	104,610	4,110	4.09%

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

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

3 Employment data for Agriculture are from the Census Bureau's American Community Survey 2010 and QCEW program.

* Employment data is withheld to maintain data confidentiality.

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

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				
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
17-2021	Agricultural Engineers	20	20	0	0.00%	0	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
17-3025	Environmental Engineering Technicians	420	430	10	2.64%	10	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

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				
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
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
19-3041	Sociologists	10	10	0	0.00%	0	Master's degree	None	None
19-3051	Urban and Regional Planners	160	170	10	3.68%	10	Master's degree	None	None
19-3091	Anthropologists and Archeologists	30	40	0	8.82%	0	Master's degree	None	None
19-3093	Historians	100	100	0	1.01%	0	Master's degree	None	None
19-3094	Political Scientists	0	0	0	0.00%	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 Hearir	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

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				
25-1052	Chemistry Teachers, Postsecondary	340	330	-10	-1.79%	10	Doctoral or professional degree	None	None
25-1053	Environmental Science Teachers, Postsecondary	40	30	0	-2.86%	0	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
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, Pc	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, Postseco	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 Si	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
27-1019	Artists and Related Workers, All Other	20	20	0	0.00%	0	High school diploma or equivalent	None	Long-term on-the-job training
27-1021	Commercial and Industrial Designers	350	350	0	0.29%	10	Bachelor's degree	None	None
27-1022	Fashion Designers	40	40	0	0.00%	0	High school diploma or equivalent	None	Long-term on-the-job training
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

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				
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
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 Otr	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

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				
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
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 Protective 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

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				
35-3021	Combined Food Preparation and Serving Workers, Including Counter Attendants, Cafeteria, Food Concession, and Bartenders	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 Bartenders	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 Bartenders	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
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	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, and Groundskeeping Workers	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 Housekeeping Cleaners	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, Vegetation	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 Attendants	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 Sales Agents	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 Manufacturing, Except Technical and Scientific Products	5,870	5,920	40	0.73%	160	Bachelor's degree	None	Moderate-term on-the-job training
41-4012	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	17,370	17,590	220	1.28%	510	High school diploma or equivalent	None	Moderate-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				
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
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 Ti	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 Proces	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, Rec	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	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 Le	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

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				
43-9051	Mail Clerks and Mail Machine Operators, Except Pos	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	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 Othe	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 Fore	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
45-2092	Farmworkers and Laborers, Crop, Nursery, and Gre	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 Anima	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 E:	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

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				
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, and	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
49-1011	First-Line Supervisors of Mechanics, Installers, and	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, Motor	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 M	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
49-9061	Camera and Photographic Equipment Repairers	30	30	0	0.00%	0	Associate's degree	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

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				
51-2023	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
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
51-4035	Milling and Planing Machine Setters, Operators, and	280	290	10	3.17%	10	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
51-4051	Metal-Refining Furnace Operators and Tenders	100	110	10	5.00%	0	High school diploma or equivalent	None	Moderate-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
51-4062	Patternmakers, Metal and Plastic	140	140	0	0.71%	0	High school diploma or equivalent	None	Long-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
51-6064	Textile Winding, Twisting, and Drawing Out Machine	30	30	0	0.00%	0	High school diploma or equivalent	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

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				
51-8013	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
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
53-6099	Transportation Workers, All Other	30	30	0	-3.70%	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

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				
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
53-7031	Dredge Operators	30	30	0	0.00%	0	Less than high school	None	Short-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