

## NORTHEAST Workforce Investment Area Occupational Projections 2010-2020

Occupation Code	Occupation Title	Employment		Employment Change 2010-2020		Total Openings	Oklahoma Median Annual Wage	Entry-Level Education	Work Experience in a Related Occupation	On-the-job Training
		2010	2020	Numeric	Percent					
<b>00-0000</b>	<b>Total</b>	<b>88,580</b>	<b>104,430</b>	<b>15,850</b>	<b>17.9%</b>	<b>37,160</b>	<b>\$30,049</b>			
11-1011	Chief Executives	350	370	30	7.8%	120	\$120,330	Bachelor's degree	More than 5 years	None
11-1021	General and Operations Managers	1,540	1,630	90	5.8%	380	\$73,939	Associate's degree	1 to 5 years	None
11-1031	Legislators	90	110	20	22.5%	40	\$24,632	Bachelor's degree	1 to 5 years	None
11-2021	Marketing Managers	70	80	10	13.9%	30	\$75,900	Bachelor's degree	1 to 5 years	None
11-2022	Sales Managers	160	190	20	13.5%	70	\$81,912	Bachelor's degree	1 to 5 years	None
11-2031	Public Relations Managers	30	30	10	24.0%	10	\$53,720	Bachelor's degree	1 to 5 years	None
11-3011	Administrative Services Managers	200	230	30	17.4%	80	\$56,869	High school diploma or equivalent	1 to 5 years	None
11-3021	Computer and Information Systems Managers	90	110	20	20.2%	30	\$88,347	Bachelor's degree	More than 5 years	None
11-3031	Financial Managers	250	300	40	17.1%	90	\$79,967	Bachelor's degree	More than 5 years	None
11-3051	Industrial Production Managers	190	220	40	20.0%	80	\$76,160	Bachelor's degree	1 to 5 years	None
11-3061	Purchasing Managers	60	60	0	7.3%	20	\$74,016	Bachelor's degree	More than 5 years	None
11-3071	Transportation, Storage, and Distribution Managers	30	40	10	16.7%	10	\$70,766	High school diploma or equivalent	More than 5 years	None
11-3111	Compensation and Benefits Managers	40	50	0	4.5%	10	\$63,742	Bachelor's degree	1 to 5 years	None
11-3121	Human Resources Managers	60	70	10	12.5%	20	\$60,510	Bachelor's degree	1 to 5 years	None
11-3131	Training and Development Managers	40	40	10	16.7%	20	\$54,207	Bachelor's degree	1 to 5 years	None
11-9021	Construction Managers	160	190	20	14.7%	40	\$68,913	Associate's degree	More than 5 years	None
11-9031	Education Administrators, Preschool and Child Care Center/Program	40	50	10	26.8%	20	\$34,266	Bachelor's degree	1 to 5 years	None
11-9032	Education Administrators, Elementary and Secondary School	200	230	30	15.3%	90	\$68,383	Master's degree	1 to 5 years	None
11-9041	Engineering Managers	170	200	30	15.7%	60	\$104,565	Bachelor's degree	More than 5 years	None
11-9051	Food Service Managers	220	220	0	1.4%	40	\$39,420	High school diploma or equivalent	1 to 5 years	None
11-9111	Medical and Health Services Managers	280	340	60	20.9%	130	\$71,061	Bachelor's degree	None	None
11-9131	Postmasters and Mail Superintendents	60	50	-10	-16.1%	10	\$57,468	High school diploma or equivalent	1 to 5 years	Moderate-term on-the-job training
11-9141	Property, Real Estate, and Community Association Managers	420	470	40	10.5%	130	\$39,277	High school diploma or equivalent	1 to 5 years	None
11-9151	Social and Community Service Managers	80	90	20	22.7%	30	\$49,842	Bachelor's degree	1 to 5 years	None
11-9199	Managers, All Other	30	40	10	17.6%	10	\$89,165	High school diploma or equivalent	1 to 5 years	None
13-1022	Wholesale and Retail Buyers, Except Farm Products	60	70	10	9.4%	20	\$40,692	High school diploma or equivalent	None	Long-term on-the-job training
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	210	220	10	6.7%	70	\$54,468	High school diploma or equivalent	None	Long-term on-the-job training
13-1031	Claims Adjusters, Examiners, and Investigators	140	160	30	18.4%	60	\$50,416	High school diploma or equivalent	None	Long-term on-the-job training
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	160	210	50	34.2%	70	\$42,999	Bachelor's degree	None	Moderate-term on-the-job training
13-1051	Cost Estimators	130	160	40	27.3%	60	\$52,398	Bachelor's degree	None	None
13-1078	Human resources, labor relations, and training specialists, all other	100	120	20	20.0%	40	\$46,535	Bachelor's degree	None	None

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		2010	2020	Numeric	Percent		Median Annual Wage			
13-1111	Management Analysts	120	140	30	22.4%	50	\$63,858	Bachelor's degree	1 to 5 years	None
13-1141	Compensation, Benefits, and Job Analysis Specialists	60	70	10	8.1%	20	\$47,399	Bachelor's degree	None	None
13-1151	Training and Development Specialists	130	170	40	29.7%	60	\$47,755	Bachelor's degree	None	None
13-1161	Market Research Analysts and Marketing Specialists	50	70	20	35.8%	30	\$48,395	Bachelor's degree	None	None
13-1199	Business Operations Specialists, All Other	130	150	30	19.7%	50	\$64,177	High school diploma or equivalent	Less than 1 year	Long-term on-the-job training
13-2011	Accountants and Auditors	920	1,090	170	18.4%	370	\$51,296	Bachelor's degree	None	None
13-2021	Appraisers and Assessors of Real Estate	60	70	10	25.0%	30	\$34,793	High school diploma or equivalent	None	Apprenticeship
13-2051	Financial Analysts	80	100	20	24.4%	40	\$60,957	Bachelor's degree	None	None
13-2052	Personal Financial Advisors	50	80	30	48.1%	30	\$54,479	Bachelor's degree	None	None
13-2071	Loan Counselors	50	70	20	29.4%	30	\$30,283	Bachelor's degree	None	Moderate-term on-the-job training
13-2072	Loan Officers	330	430	100	30.9%	190	\$42,316	High school diploma or equivalent	None	Moderate-term on-the-job training
15-1121	Computer Systems Analysts	80	90	10	11.9%	30	\$64,448	Bachelor's degree	None	None
15-1131	Computer Programmers	110	120	10	8.0%	40	\$57,093	Bachelor's degree	None	None
15-1132	Software Developers, Applications	40	50	10	11.6%	10	\$65,853	Bachelor's degree	None	None
15-1141	Database Administrators	30	40	10	19.4%	10	\$59,441	Bachelor's degree	1 to 5 years	None
15-1142	Network and computer systems architects and administrators	110	140	30	29.7%	50	\$54,887	Bachelor's degree	None	None
15-1150	Computer Support Specialists	230	280	50	19.3%	110	\$38,900	Some college, no degree	None	Moderate-term on-the-job training
15-1179	Information Security Analysts, Web Developers, and Computer Network Architects	40	60	10	29.5%	20	\$59,373	Bachelor's degree	1 to 5 years	None
17-1022	Surveyors	30	40	10	16.7%	10	\$47,318	Bachelor's degree	None	None
17-2041	Chemical Engineers	100	120	20	20.0%	50	\$80,687	Bachelor's degree	None	None
17-2051	Civil Engineers	90	100	20	16.9%	30	\$74,354	Bachelor's degree	None	None
17-2071	Electrical Engineers	80	70	0	-4.0%	20	\$74,872	Bachelor's degree	None	None
17-2112	Industrial Engineers	150	170	20	9.9%	50	\$71,012	Bachelor's degree	None	None
17-2141	Mechanical Engineers	170	180	10	7.7%	70	\$74,393	Bachelor's degree	None	None
17-2171	Petroleum Engineers	280	370	90	32.2%	150	\$127,542	Bachelor's degree	None	None
17-3013	Mechanical Drafters	120	130	10	10.8%	40	\$48,308	Associate's degree	None	None
17-3027	Mechanical Engineering Technicians	30	30	0	0.0%	10	\$43,192	Associate's degree	None	None
19-2031	Chemists	140	160	20	10.6%	60	\$65,584	Bachelor's degree	None	None
19-3031	Clinical, Counseling, and School Psychologists	140	180	40	26.1%	80	\$47,804	Doctoral or professional degree	None	Internship/residency
19-4031	Chemical Technicians	50	60	0	7.7%	10	\$38,616	Associate's degree	None	Moderate-term on-the-job training
19-4041	Geological and Petroleum Technicians	250	310	60	24.7%	150	\$49,141	Associate's degree	None	Moderate-term on-the-job training
19-4091	Environmental Science and Protection Technicians, Including Health	30	40	10	24.2%	20	\$44,892	Associate's degree	None	Moderate-term on-the-job training

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		2010	2020	Numeric	Percent		Median Annual Wage		a Related Occupation	
21-1011	Substance Abuse and Behavioral Disorder Counselors	30	40	10	31.3%	20	\$38,278	High school diploma or equivalent	None	Moderate-term on-the-job training
21-1012	Educational, Vocational, and School Counselors	190	240	50	24.5%	90	\$42,035	Master's degree	None	None
21-1014	Mental Health Counselors	40	50	10	34.3%	20	\$42,144	Master's degree	None	Internship/residency
21-1015	Rehabilitation Counselors	220	280	60	28.1%	110	\$25,634	Master's degree	None	None
21-1021	Child, Family, and School Social Workers	270	340	80	28.6%	140	\$31,223	Bachelor's degree	None	None
21-1022	Medical and Public Health Social Workers	50	70	20	34.6%	30	\$42,061	Master's degree	None	None
21-1029	Social Workers, All Other	60	80	20	28.3%	30	\$42,879	Bachelor's degree	None	None
21-1091	Health Educators	50	60	20	30.6%	30	\$46,727	Bachelor's degree	None	None
21-1092	Probation Officers and Correctional Treatment Specialists	30	50	20	47.1%	20	\$36,958	Bachelor's degree	None	Short-term on-the-job training
21-1093	Social and Human Service Assistants	190	240	50	28.4%	100	\$25,219	High school diploma or equivalent	None	Short-term on-the-job training
23-1011	Lawyers	290	330	40	12.0%	90	\$78,167	Doctoral or professional degree	None	None
23-1023	Judges, Magistrate Judges, and Magistrates	30	40	10	31.0%	20	\$118,703	Doctoral or professional degree	More than 5 years	Short-term on-the-job training
23-2011	Paralegals and Legal Assistants	90	110	20	18.7%	30	\$38,221	Associate's degree	None	None
23-2093	Title Examiners, Abstractors, and Searchers	80	90	10	8.9%	20	\$36,231	High school diploma or equivalent	None	Short-term on-the-job training
25-1072	Nursing Instructors and Teachers, Postsecondary	50	60	10	19.6%	20	\$57,612	Master's degree	None	None
25-2011	Preschool Teachers, Except Special Education	170	200	30	20.6%	80	\$23,399	Associate's degree	None	None
25-2012	Kindergarten Teachers, Except Special Education	180	210	40	20.9%	80	\$38,520	Bachelor's degree	None	Internship/residency
25-2021	Elementary School Teachers, Except Special Education	1,280	1,540	260	20.3%	540	\$41,319	Bachelor's degree	None	Internship/residency
25-2022	Middle School Teachers, Except Special and Vocational Education	520	630	110	20.1%	220	\$41,757	Bachelor's degree	None	Internship/residency
25-2031	Secondary School Teachers, Except Special and Vocational Education	820	910	80	10.2%	310	\$42,862	Bachelor's degree	None	Internship/residency
25-2032	Vocational Education Teachers, Secondary School	110	110	10	5.7%	40	\$46,687	Bachelor's degree	1 to 5 years	Internship/residency
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	140	180	30	23.8%	80	\$42,806	Bachelor's degree	None	Internship/residency
25-2053	Special Education Teachers, Middle School	70	80	20	24.2%	40	\$43,789	Bachelor's degree	None	Internship/residency
25-2054	Special Education Teachers, Secondary School	100	110	10	10.2%	40	\$44,638	Bachelor's degree	None	Internship/residency
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	70	90	20	25.0%	30	\$44,760	Bachelor's degree	None	Internship/residency
25-3021	Self-Enrichment Education Teachers	60	70	20	28.6%	30	\$38,081	High school diploma or equivalent	1 to 5 years	None
25-3999	Teachers and Instructors, All Other	590	690	100	16.5%	190	\$18,777	Bachelor's degree	None	None
25-4021	Librarians	120	140	20	16.4%	50	\$43,803	Master's degree	None	None
25-4031	Library Technicians	70	80	20	23.9%	50	\$20,337	Postsecondary non-degree award	None	None
25-9031	Instructional Coordinators	40	50	10	24.3%	20	\$56,059	Master's degree	More than 5 years	None
25-9041	Teacher Assistants	920	1,080	160	17.6%	370	\$18,706	High school diploma or equivalent	None	Short-term on-the-job training
27-1024	Graphic Designers	60	70	10	11.7%	30	\$33,786	Bachelor's degree	None	None

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27-2022	Coaches and Scouts	50	70	20	30.2%	30	\$23,660	High school diploma or equivalent	None	Long-term on-the-job training
27-2041	Music Directors and Composers	40	50	10	11.4%	20	\$41,533	Bachelor's degree	1 to 5 years	None
27-3022	Reporters and Correspondents	30	20	0	-12.0%	10	\$30,073	Bachelor's degree	None	None
27-3031	Public Relations Specialists	70	90	20	26.5%	40	\$43,338	Bachelor's degree	None	Moderate-term on-the-job training
27-3043	Writers and Authors	90	100	10	12.1%	40	\$31,623	Bachelor's degree	None	Long-term on-the-job training
29-1021	Dentists, General	160	190	30	18.5%	80	\$143,890	Doctoral or professional degree	None	Internship/residency
29-1031	Dietitians and Nutritionists	30	40	10	24.2%	20	\$46,545	Bachelor's degree	None	Internship/residency
29-1051	Pharmacists	320	420	110	33.2%	190	\$107,398	Doctoral or professional degree	None	None
29-1062	Family and General Practitioners	140	170	40	25.2%	60	\$174,152	Doctoral or professional degree	None	Internship/residency
29-1066	Psychiatrists	40	50	10	18.4%	20	\$163,975	Doctoral or professional degree	None	Internship/residency
29-1111	Registered Nurses	1,100	1,330	230	20.5%	430	\$55,867	Associate's degree	None	None
29-1122	Occupational Therapists	50	70	20	35.3%	30	\$66,089	Master's degree	None	None
29-1123	Physical Therapists	90	120	30	31.1%	40	\$77,991	Doctoral or professional degree	None	None
29-1126	Respiratory Therapists	40	50	10	15.4%	10	\$48,484	Associate's degree	None	None
29-1127	Speech-Language Pathologists	70	90	20	21.6%	30	\$55,719	Master's degree	None	None
29-1131	Veterinarians	50	60	10	23.9%	20	\$73,090	Doctoral or professional degree	None	None
29-2011	Medical and Clinical Laboratory Technologists	80	80	10	6.3%	20	\$50,190	Bachelor's degree	None	None
29-2012	Medical and Clinical Laboratory Technicians	50	60	10	14.8%	20	\$34,781	Associate's degree	None	None
29-2037	Radiologic Technologists and Technicians	130	160	30	19.5%	50	\$48,290	Associate's degree	None	None
29-2041	Emergency Medical Technicians and Paramedics	370	500	130	35.1%	200	\$28,744	Postsecondary non-degree award	None	None
29-2052	Pharmacy Technicians	410	570	170	40.3%	240	\$24,916	High school diploma or equivalent	None	Moderate-term on-the-job training
29-2053	Psychiatric Technicians	120	130	20	12.9%	40	\$27,210	Postsecondary non-degree award	None	Short-term on-the-job training
29-2055	Surgical Technologists	50	60	10	13.5%	20	\$33,554	Postsecondary non-degree award	None	None
29-2061	Licensed Practical and Licensed Vocational Nurses	730	860	130	18.2%	330	\$35,483	Postsecondary non-degree award	None	None
29-2071	Medical Records and Health Information Technicians	190	210	30	14.6%	60	\$28,978	Postsecondary non-degree award	None	None
29-9011	Occupational Health and Safety Specialists	70	90	20	21.4%	40	\$67,875	Bachelor's degree	None	Moderate-term on-the-job training
29-9091	Athletic Trainers	30	40	10	30.3%	20	\$33,808	Bachelor's degree	None	None
31-1011	Home Health Aides	300	470	170	58.1%	210	\$20,037	Less than high school	None	Short-term on-the-job training
31-1012	Nursing Aides, Orderlies, and Attendants	1,170	1,330	160	13.7%	310	\$21,007	Postsecondary non-degree award	None	None
31-1013	Psychiatric Aides	240	270	30	10.4%	60	\$19,514	High school diploma or equivalent	None	Short-term on-the-job training
31-2021	Physical Therapist Assistants	60	80	20	39.0%	30	\$47,236	Associate's degree	None	None
31-9091	Dental Assistants	370	460	90	23.2%	160	\$30,073	Postsecondary non-degree award	None	None

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31-9092	Medical Assistants	320	400	80	24.8%	130	\$24,856	High school diploma or equivalent	None	Moderate-term on-the-job training
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	170	170	0	2.4%	30	\$24,270	High school diploma or equivalent	None	Short-term on-the-job training
31-9799	Healthcare Support Workers, All Other	30	30	0	14.3%	10	\$27,513	High school diploma or equivalent	None	Short-term on-the-job training
33-1011	First-Line Supervisors/Managers of Correctional Officers	40	50	10	30.0%	30	\$45,816	High school diploma or equivalent	1 to 5 years	Moderate-term on-the-job training
33-1012	First-Line Supervisors/Managers of Police and Detectives	80	100	20	25.3%	50	\$52,817	High school diploma or equivalent	1 to 5 years	Moderate-term on-the-job training
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	50	70	20	32.7%	40	\$63,944	Postsecondary non-degree award	1 to 5 years	None
33-3012	Correctional Officers and Jailers	240	300	70	27.5%	110	\$28,474	High school diploma or equivalent	None	Moderate-term on-the-job training
33-3021	Detectives and Criminal Investigators	100	130	30	32.0%	50	\$53,250	High school diploma or equivalent	1 to 5 years	Moderate-term on-the-job training
33-3051	Police and Sheriff's Patrol Officers	780	1,030	250	31.9%	480	\$36,383	High school diploma or equivalent	None	Moderate-term on-the-job training
33-9011	Animal Control Workers	30	40	10	35.5%	20	\$26,806	High school diploma or equivalent	None	Moderate-term on-the-job training
33-9031	Gaming Surveillance Officers and Gaming Investigators	90	110	30	31.8%	40	\$25,635	High school diploma or equivalent	None	Short-term on-the-job training
33-9032	Security Guards	660	850	190	29.4%	300	\$24,256	High school diploma or equivalent	None	Short-term on-the-job training
35-2011	Cooks, Fast Food	610	650	40	6.2%	170	\$17,991	Less than high school	None	Short-term on-the-job training
35-2012	Cooks, Institution and Cafeteria	670	750	70	10.7%	220	\$18,874	Less than high school	None	Short-term on-the-job training
35-2014	Cooks, Restaurant	1,210	1,490	290	24.0%	550	\$20,021	Less than high school	Less than 1 year	Moderate-term on-the-job training
35-2021	Food Preparation Workers	130	140	10	8.3%	60	\$18,198	Less than high school	None	Short-term on-the-job training
35-3011	Bartenders	140	180	40	25.4%	90	\$18,303	Less than high school	None	Short-term on-the-job training
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	780	970	190	25.0%	410	\$17,943	Less than high school	None	Short-term on-the-job training
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	170	200	30	16.5%	150	\$17,663	Less than high school	None	Short-term on-the-job training
35-3031	Waiters and Waitresses	1,730	2,070	340	19.6%	1,210	\$18,109	Less than high school	None	Short-term on-the-job training
35-3041	Food Servers, Non-restaurant	90	110	30	28.1%	50	\$18,937	Less than high school	None	Short-term on-the-job training
35-9021	Dishwashers	800	930	130	16.6%	500	\$17,896	Less than high school	None	Short-term on-the-job training
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	170	180	10	7.6%	40	\$29,232	High school diploma or equivalent	1 to 5 years	None
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping	130	150	30	19.4%	40	\$38,282	High school diploma or equivalent	1 to 5 years	None
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	1,350	1,540	190	13.9%	440	\$19,537	Less than high school	None	Short-term on-the-job training
37-2012	Maids and Housekeeping Cleaners	560	640	90	15.3%	180	\$18,258	Less than high school	None	Short-term on-the-job training
37-2021	Pest Control Workers	40	50	10	35.1%	30	\$30,463	High school diploma or equivalent	None	Moderate-term on-the-job training
37-3011	Landscaping and Groundskeeping Workers	350	440	90	26.4%	150	\$20,961	Less than high school	None	Short-term on-the-job training
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	80	90	10	15.2%	30	\$19,271	High school diploma or equivalent	None	Moderate-term on-the-job training
39-1011	Gaming Supervisors	100	130	30	28.3%	50	\$38,498	High school diploma or equivalent	1 to 5 years	None
39-1012	Slot Key Persons	220	290	70	30.3%	110	\$28,564	High school diploma or equivalent	1 to 5 years	None
39-1021	First-Line Supervisors/Managers of Personal Service Workers	50	60	10	18.4%	20	\$29,658	High school diploma or equivalent	1 to 5 years	None

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39-3012	Gaming and Sports Book Writers and Runners	50	60	10	24.4%	30	\$19,209	High school diploma or equivalent	None	Short-term on-the-job training
39-9011	Child Care Workers	920	1,120	200	22.3%	490	\$18,262	High school diploma or equivalent	None	Short-term on-the-job training
39-9021	Personal and Home Care Aides	160	260	100	59.8%	110	\$17,941	Less than high school	None	Short-term on-the-job training
39-9031	Fitness Trainers and Aerobics Instructors	90	100	20	17.4%	30	\$24,805	High school diploma or equivalent	None	Short-term on-the-job training
39-9032	Recreation Workers	190	240	50	25.8%	80	\$19,559	Bachelor's degree	None	None
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	1,270	1,410	140	11.1%	440	\$30,773	High school diploma or equivalent	1 to 5 years	None
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	140	150	0	2.8%	40	\$50,892	High school diploma or equivalent	More than 5 years	None
41-2011	Cashiers	1,990	2,270	270	13.7%	1,180	\$18,386	Less than high school	None	Short-term on-the-job training
41-2021	Counter and Rental Clerks	120	130	10	9.9%	40	\$19,907	Less than high school	None	Short-term on-the-job training
41-2031	Retail Salespersons	3,660	4,390	740	20.1%	1,810	\$19,963	Less than high school	None	Short-term on-the-job training
41-3011	Advertising Sales Agents	70	80	10	6.8%	30	\$35,502	High school diploma or equivalent	None	Moderate-term on-the-job training
41-3031	Securities, Commodities, and Financial Services Sales Agents	80	110	30	31.3%	50	\$50,098	Bachelor's degree	None	Moderate-term on-the-job training
41-3099	Sales Representatives, Services, All Other	70	80	10	18.5%	30	\$40,205	High school diploma or equivalent	None	Short-term on-the-job training
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	320	370	50	15.0%	120	\$57,298	Bachelor's degree	None	Moderate-term on-the-job training
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	700	840	140	19.6%	300	\$45,677	High school diploma or equivalent	None	Moderate-term on-the-job training
41-9041	Telemarketers	70	80	0	5.6%	20	\$22,049	Less than high school	None	Short-term on-the-job training
41-9799	Sales and Related Workers, All Other	80	100	20	18.8%	40	\$22,544	High school diploma or equivalent	None	Moderate-term on-the-job training
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	730	870	150	20.1%	340	\$42,925	High school diploma or equivalent	1 to 5 years	None
43-3011	Bill and Account Collectors	90	100	20	18.4%	30	\$28,561	High school diploma or equivalent	None	Moderate-term on-the-job training
43-3021	Billing and Posting Clerks and Machine Operators	160	200	40	24.4%	70	\$28,734	High school diploma or equivalent	None	Short-term on-the-job training
43-3031	Bookkeeping, Accounting, and Auditing Clerks	1,980	2,310	330	16.5%	550	\$28,846	High school diploma or equivalent	None	Moderate-term on-the-job training
43-3041	Gaming Cage Workers	160	170	10	5.1%	40	\$20,901	High school diploma or equivalent	None	Short-term on-the-job training
43-3051	Payroll and Timekeeping Clerks	210	240	40	17.4%	80	\$33,849	High school diploma or equivalent	None	Moderate-term on-the-job training
43-3061	Procurement Clerks	60	70	10	10.2%	30	\$37,425	High school diploma or equivalent	None	Moderate-term on-the-job training
43-3071	Tellers	550	640	90	17.0%	320	\$21,727	High school diploma or equivalent	None	Short-term on-the-job training
43-4031	Court, Municipal, and License Clerks	100	130	30	32.3%	60	\$27,671	High school diploma or equivalent	None	Moderate-term on-the-job training
43-4051	Customer Service Representatives	890	1,140	250	27.8%	500	\$27,660	High school diploma or equivalent	None	Short-term on-the-job training
43-4061	Eligibility Interviewers, Government Programs	30	30	10	26.9%	10	\$35,831	Associate's degree	None	Moderate-term on-the-job training
43-4071	File Clerks	90	80	0	-3.5%	20	\$23,621	High school diploma or equivalent	None	Short-term on-the-job training
43-4111	Interviewers, Except Eligibility and Loan	50	60	10	13.5%	20	\$24,567	High school diploma or equivalent	None	Short-term on-the-job training
43-4121	Library Assistants, Clerical	80	100	20	20.3%	50	\$19,313	High school diploma or equivalent	None	Short-term on-the-job training
43-4131	Loan Interviewers and Clerks	50	50	10	10.6%	10	\$26,152	High school diploma or equivalent	None	Short-term on-the-job training

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Occupation Code	Occupation Title	Employment		Employment Change 2010-2020		Total Openings	Oklahoma Median Annual Wage	Entry-Level Education	Work Experience in a Related Occupation	On-the-job Training
		2010	2020	Numeric	Percent					
43-4141	New Accounts Clerks	70	80	10	16.4%	30	\$28,368	High school diploma or equivalent	None	Short-term on-the-job training
43-4151	Order Clerks	110	120	10	9.3%	40	\$25,209	High school diploma or equivalent	None	Short-term on-the-job training
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	70	80	10	17.9%	30	\$33,024	High school diploma or equivalent	None	Short-term on-the-job training
43-4171	Receptionists and Information Clerks	550	670	120	22.3%	290	\$22,352	High school diploma or equivalent	None	Short-term on-the-job training
43-5031	Police, Fire, and Ambulance Dispatchers	180	240	60	32.8%	90	\$26,268	High school diploma or equivalent	None	Moderate-term on-the-job training
43-5032	Dispatchers, Except Police, Fire, and Ambulance	90	110	20	23.0%	40	\$30,058	High school diploma or equivalent	None	Moderate-term on-the-job training
43-5051	Postal Service Clerks	50	30	-20	-42.3%	10	\$53,835	High school diploma or equivalent	None	Short-term on-the-job training
43-5052	Postal Service Mail Carriers	280	280	0	-0.4%	90	\$53,893	High school diploma or equivalent	None	Short-term on-the-job training
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	40	20	-20	-42.5%	0	\$53,786	High school diploma or equivalent	None	Short-term on-the-job training
43-5061	Production, Planning, and Expediting Clerks	180	200	20	8.9%	60	\$42,594	High school diploma or equivalent	None	Moderate-term on-the-job training
43-5071	Shipping, Receiving, and Traffic Clerks	400	390	0	-1.0%	100	\$27,981	High school diploma or equivalent	None	Short-term on-the-job training
43-5081	Stock Clerks and Order Fillers	720	740	20	2.6%	200	\$20,708	Less than high school	None	Short-term on-the-job training
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	40	50	10	17.5%	20	\$31,172	High school diploma or equivalent	None	Short-term on-the-job training
43-6011	Executive Secretaries and Administrative Assistants	550	640	90	17.2%	170	\$37,386	High school diploma or equivalent	1 to 5 years	None
43-6012	Legal Secretaries	140	130	-10	-4.3%	20	\$30,940	High school diploma or equivalent	None	Moderate-term on-the-job training
43-6013	Medical Secretaries	200	270	70	33.8%	100	\$27,538	High school diploma or equivalent	None	Moderate-term on-the-job training
43-6014	Secretaries, Except Legal, Medical, and Executive	1,400	1,520	110	8.0%	300	\$26,908	High school diploma or equivalent	None	Short-term on-the-job training
43-9011	Computer Operators	30	30	0	-6.7%	0	\$31,379	High school diploma or equivalent	None	Moderate-term on-the-job training
43-9021	Data Entry Keyers	90	90	0	-1.2%	20	\$24,297	High school diploma or equivalent	None	Moderate-term on-the-job training
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	50	60	10	13.2%	20	\$24,184	High school diploma or equivalent	None	Short-term on-the-job training
43-9061	Office Clerks, General	1,980	2,410	420	21.3%	770	\$23,277	High school diploma or equivalent	None	Short-term on-the-job training
45-2091	Agricultural Equipment Operators	130	150	20	18.9%	60	\$25,602	Less than high school	Less than 1 year	Short-term on-the-job training
45-2093	Farmworkers, Farm and Ranch Animals	100	120	20	20.8%	50	\$21,089	Less than high school	None	Short-term on-the-job training
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	540	620	80	15.1%	210	\$53,560	High school diploma or equivalent	More than 5 years	None
47-2011	Boilermakers	80	90	10	13.2%	40	\$34,265	High school diploma or equivalent	None	Apprenticeship
47-2021	Brickmasons and Blockmasons	100	130	30	29.4%	50	\$33,972	High school diploma or equivalent	None	Apprenticeship
47-2031	Carpenters	740	850	120	15.6%	270	\$31,202	High school diploma or equivalent	None	Apprenticeship
47-2051	Cement Masons and Concrete Finishers	110	130	20	19.4%	40	\$29,012	Less than high school	None	Moderate-term on-the-job training
47-2061	Construction Laborers	500	570	70	13.4%	110	\$26,176	Less than high school	None	Short-term on-the-job training
47-2071	Paving, Surfacing, and Tamping Equipment Operators	120	150	20	18.7%	50	\$29,326	High school diploma or equivalent	None	Moderate-term on-the-job training
47-2073	Operating Engineers and Other Construction Equipment Operators	430	530	100	23.5%	200	\$34,826	High school diploma or equivalent	None	Moderate-term on-the-job training
47-2111	Electricians	290	320	30	11.4%	110	\$44,119	High school diploma or equivalent	None	Apprenticeship

## NORTHEAST Workforce Investment Area Occupational Projections 2010-2020

Occupation Code	Occupation Title	Employment		Employment Change 2010-2020		Total Openings	Oklahoma Median Annual Wage	Entry-Level Education	Work Experience in a Related Occupation	On-the-job Training
		2010	2020	Numeric	Percent					
47-2141	Painters, Construction and Maintenance	100	120	20	16.8%	40	\$32,532	Less than high school	None	Moderate-term on-the-job training
47-2151	Pipelayers	160	200	40	25.0%	90	\$29,990	High school diploma or equivalent	None	Short-term on-the-job training
47-2152	Plumbers, Pipefitters, and Steamfitters	230	280	50	19.9%	110	\$38,988	High school diploma or equivalent	None	Apprenticeship
47-2211	Sheet Metal Workers	90	110	20	19.1%	30	\$49,225	High school diploma or equivalent	None	Apprenticeship
47-2221	Structural Iron and Steel Workers	140	150	10	9.4%	40	\$30,871	High school diploma or equivalent	None	Apprenticeship
47-3013	Helpers--Electricians	80	100	20	18.3%	40	\$27,404	High school diploma or equivalent	None	Short-term on-the-job training
47-4011	Construction and Building Inspectors	50	70	20	31.4%	30	\$41,675	High school diploma or equivalent	More than 5 years	Moderate-term on-the-job training
47-4051	Highway Maintenance Workers	230	300	70	32.5%	130	\$29,626	High school diploma or equivalent	None	Moderate-term on-the-job training
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	30	30	10	30.8%	20	\$28,712	Less than high school	None	Moderate-term on-the-job training
47-5012	Rotary Drill Operators, Oil and Gas	40	50	10	15.0%	10	\$48,372	Less than high school	None	Moderate-term on-the-job training
47-5013	Service Unit Operators, Oil, Gas, and Mining	210	250	40	19.4%	80	\$39,630	Less than high school	None	Moderate-term on-the-job training
47-5071	Roustabouts, Oil and Gas	180	210	30	16.3%	70	\$34,052	Less than high school	None	Moderate-term on-the-job training
47-5081	Helpers--Extraction Workers	30	30	0	11.5%	10	\$34,428	High school diploma or equivalent	None	Short-term on-the-job training
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	270	310	50	16.7%	120	\$55,589	High school diploma or equivalent	1 to 5 years	None
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	150	170	20	12.3%	40	\$42,029	Postsecondary non-degree award	None	Moderate-term on-the-job training
49-3021	Automotive Body and Related Repairers	160	180	20	13.0%	60	\$35,519	High school diploma or equivalent	None	Moderate-term on-the-job training
49-3023	Automotive Service Technicians and Mechanics	680	780	100	15.0%	280	\$34,053	High school diploma or equivalent	None	Long-term on-the-job training
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	320	370	50	15.5%	120	\$35,247	High school diploma or equivalent	None	Long-term on-the-job training
49-3041	Farm Equipment Mechanics	40	50	10	21.6%	20	\$30,750	High school diploma or equivalent	None	Long-term on-the-job training
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	60	80	20	28.8%	30	\$38,925	High school diploma or equivalent	None	Long-term on-the-job training
49-3051	Motorboat Mechanics	70	90	20	24.3%	40	\$30,023	High school diploma or equivalent	None	Long-term on-the-job training
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	130	160	20	18.3%	50	\$37,439	Postsecondary non-degree award	None	Long-term on-the-job training
49-9031	Home Appliance Repairers	60	60	0	1.8%	10	\$32,739	High school diploma or equivalent	None	Moderate-term on-the-job training
49-9041	Industrial Machinery Mechanics	230	300	70	30.4%	110	\$45,899	High school diploma or equivalent	None	Long-term on-the-job training
49-9043	Maintenance Workers, Machinery	110	120	10	9.2%	30	\$34,687	High school diploma or equivalent	None	Moderate-term on-the-job training
49-9051	Electrical Power-Line Installers and Repairers	210	250	40	18.1%	110	\$47,678	High school diploma or equivalent	None	Long-term on-the-job training
49-9052	Telecommunications Line Installers and Repairers	110	110	0	-3.7%	20	\$47,652	High school diploma or equivalent	None	Long-term on-the-job training
49-9071	Maintenance and Repair Workers, General	980	1,120	150	14.9%	330	\$30,587	High school diploma or equivalent	None	Moderate-term on-the-job training
49-9098	Helpers--Installation, Maintenance, and Repair Workers	100	110	20	17.9%	60	\$23,632	High school diploma or equivalent	None	Moderate-term on-the-job training
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	580	640	60	9.9%	130	\$50,871	Postsecondary non-degree award	1 to 5 years	None
51-2041	Structural Metal Fabricators and Fitters	240	300	60	22.8%	100	\$33,625	High school diploma or equivalent	None	Moderate-term on-the-job training
51-2092	Team Assemblers	990	1,130	140	13.9%	330	\$26,825	High school diploma or equivalent	None	Moderate-term on-the-job training

## NORTHEAST Workforce Investment Area Occupational Projections 2010-2020

Occupation Code	Occupation Title	Employment		Employment Change 2010-2020		Total Openings	Oklahoma	Entry-Level Education	Work Experience in	On-the-job Training
		2010	2020	Numeric	Percent		Median Annual Wage		a Related Occupation	
51-2099	Assemblers and Fabricators, All Other	100	110	10	7.8%	30	\$22,197	High school diploma or equivalent	None	Moderate-term on-the-job training
51-3011	Bakers	30	30	0	3.7%	10	\$20,489	Less than high school	None	Long-term on-the-job training
51-3021	Butchers and Meat Cutters	100	110	10	9.4%	40	\$24,259	Less than high school	None	Long-term on-the-job training
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	190	250	60	28.4%	90	\$34,972	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	170	200	30	17.2%	60	\$32,218	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	160	170	20	11.0%	30	\$27,340	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	40	40	0	0.0%	0	\$33,558	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	90	100	10	9.6%	20	\$29,349	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4041	Machinists	610	720	110	17.4%	220	\$36,526	High school diploma or equivalent	None	Long-term on-the-job training
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	30	30	0	13.8%	10	\$27,655	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	50	60	10	12.0%	20	\$32,717	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4111	Tool and Die Makers	30	30	0	3.7%	0	\$50,824	High school diploma or equivalent	None	Long-term on-the-job training
51-4121	Welders, Cutters, Solderers, and Brazers	790	950	170	20.9%	380	\$35,293	High school diploma or equivalent	Less than 1 year	Moderate-term on-the-job training
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	100	120	10	13.6%	40	\$30,943	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	50	50	10	10.6%	40	\$27,798	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4194	Tool Grinders, Filers, and Sharpeners	50	50	10	12.8%	10	\$31,643	High school diploma or equivalent	None	Moderate-term on-the-job training
51-5112	Printing Press Operators and Job Printers	130	140	10	3.8%	30	\$28,742	High school diploma or equivalent	None	Moderate-term on-the-job training
51-6011	Laundry and Dry-Cleaning Workers	120	120	0	1.7%	30	\$18,401	Less than high school	None	Short-term on-the-job training
51-6031	Sewing Machine Operators	110	80	-30	-25.7%	10	\$22,175	Less than high school	None	Short-term on-the-job training
51-8013	Power Plant Operators	70	70	0	2.8%	30	\$55,545	High school diploma or equivalent	None	Long-term on-the-job training
51-8021	Stationary Engineers and Boiler Operators	50	50	0	6.4%	10	\$50,586	High school diploma or equivalent	None	Long-term on-the-job training
51-8031	Water and Liquid Waste Treatment Plant and System Operators	210	280	70	31.8%	120	\$29,566	High school diploma or equivalent	None	Long-term on-the-job training
51-9011	Chemical Equipment Operators and Tenders	190	190	0	-1.1%	30	\$43,389	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	170	190	20	11.6%	70	\$31,901	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	360	420	60	15.6%	130	\$37,432	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	150	170	20	13.8%	50	\$29,549	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9122	Painters, Transportation Equipment	40	40	0	5.0%	10	\$35,541	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9151	Photographic Process Workers and Processing Machine Operators	60	50	0	-1.8%	10	\$21,025	High school diploma or equivalent	None	Short-term on-the-job training
51-9198	Helpers--Production Workers	550	650	100	17.9%	190	\$22,914	Less than high school	None	Short-term on-the-job training
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	90	120	30	30.1%	50	\$44,933	High school diploma or equivalent	1 to 5 years	None
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and	90	110	20	20.2%	40	\$52,040	High school diploma or equivalent	1 to 5 years	None
53-3022	Bus Drivers, School	340	350	10	1.8%	70	\$19,990	High school diploma or equivalent	None	Moderate-term on-the-job training

## NORTHEAST Workforce Investment Area Occupational Projections 2010-2020

Occupation Code	Occupation Title	Employment		Employment Change 2010-2020		Total Openings	Oklahoma	Entry-Level Education	Work Experience in a Related Occupation	On-the-job Training
		2010	2020	Numeric	Percent		Median Annual Wage			
53-3031	Driver/Sales Workers	420	500	80	18.9%	160	\$21,717	High school diploma or equivalent	None	Short-term on-the-job training
53-3032	Truck Drivers, Heavy and Tractor-Trailer	1,780	2,130	350	19.4%	700	\$35,502	High school diploma or equivalent	1 to 5 years	Short-term on-the-job training
53-3033	Truck Drivers, Light or Delivery Services	340	400	60	17.9%	130	\$25,973	High school diploma or equivalent	None	Short-term on-the-job training
53-6021	Parking Lot Attendants	50	50	10	10.4%	20	\$18,275	Less than high school	None	Short-term on-the-job training
53-7032	Excavating and Loading Machine and Dragline Operators	210	240	30	15.0%	90	\$30,913	Less than high school	1 to 5 years	Moderate-term on-the-job training
53-7051	Industrial Truck and Tractor Operators	290	340	50	17.9%	130	\$29,051	Less than high school	Less than 1 year	Short-term on-the-job training
53-7061	Cleaners of Vehicles and Equipment	210	240	40	17.1%	100	\$21,070	Less than high school	None	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	1,270	1,530	260	20.5%	670	\$22,868	Less than high school	None	Short-term on-the-job training
53-7072	Pump Operators, Except Wellhead Pumpers	120	140	20	14.6%	50	\$44,669	Less than high school	None	Moderate-term on-the-job training
53-7081	Refuse and Recyclable Material Collectors	210	280	70	31.0%	130	\$25,925	Less than high school	None	Short-term on-the-job training

Notes:

Oklahoma Median Annual Wage data is from the 2010 statewide Occupational Employment Statistics (OES).