

NORTHWEST OKLAHOMA OCCUPATIONAL PROJECTIONS, 2016 AND PROJECTED 2026

Occupation		Employment		Employment Change		Total Openings	Median Annual Wage, 2018	Education and Training Classification		
Code	Title	2016	2026	Number	Percent			Typical Entry-Level Education ¹	Work Experience in a Related Occupation ²	Typical on-the-job Training ³
00-0000	Total, All Occupations⁴	134,460	147,140	12,680	9.4	167,490	\$33,050			
11-1011	Chief Executives	750	760	10	0.9	540	\$110,670	Bachelor's degree	5 years or more	None
11-1021	General and Operations Managers	2,380	2,700	310	13.2	2,360	\$77,360	Bachelor's degree	5 years or more	None
11-1031	Legislators	100	120	10	13.7	90	\$43,100	Bachelor's degree	Less than 5 years	None
11-2021	Marketing Managers	70	70	10	7.7	60	\$80,070	Bachelor's degree	5 years or more	None
11-2022	Sales Managers	290	320	30	11.4	290	\$91,170	Bachelor's degree	Less than 5 years	None
11-3011	Administrative Services Managers	290	330	40	12.9	280	\$79,220	Bachelor's degree	Less than 5 years	None
11-3021	Computer and Information Systems Managers	150	180	20	14.3	140	\$94,190	Bachelor's degree	5 years or more	None
11-3031	Financial Managers	360	440	80	23.0	380	\$94,560	Bachelor's degree	5 years or more	None
11-3051	Industrial Production Managers	160	160	10	5.8	120	\$104,420	Bachelor's degree	5 years or more	None
11-3061	Purchasing Managers	60	60	10	9.1	50	*	Bachelor's degree	5 years or more	None
11-3071	Transportation, Storage, and Distribution Managers	60	60	0	5.0	50	\$75,990	High school diploma	5 years or more	None
11-3121	Human Resources Managers	100	110	10	12.2	90	\$80,780	Bachelor's degree	5 years or more	None
11-9013	Farmers, Ranchers, and Other Agricultural Managers	4,030	4,330	300	7.5	3,370	*	High school diploma	5 years or more	None
11-9021	Construction Managers	350	410	60	17.9	320	\$100,060	Bachelor's degree	None	Moderate-term OTJ
11-9031	Education Administrators, Preschool and Childcare Cente	70	70	10	9.1	60	\$32,150	Bachelor's degree	Less than 5 years	None
11-9032	Education Administrators, Elementary and Secondary Sch	250	270	20	7.1	210	\$67,280	Master's degree	5 years or more	None
11-9033	Education Administrators, Postsecondary	180	200	20	9.5	160	\$77,480	Master's degree	Less than 5 years	None
11-9041	Architectural and Engineering Managers	100	100	0	4.1	70	\$120,110	Bachelor's degree	5 years or more	None
11-9051	Food Service Managers	260	300	40	15.6	330	\$42,530	High school diploma	Less than 5 years	None
11-9061	Funeral Service Managers	70	70	0	6.1	50	*	Associate's degree	Less than 5 years	None
11-9071	Gaming Managers	50	60	10	15.4	70	\$55,280	High school diploma	Less than 5 years	None
11-9111	Medical and Health Services Managers	390	450	60	15.6	380	\$72,270	Bachelor's degree	Less than 5 years	None
11-9121	Natural Sciences Managers	40	40	0	5.1	30	\$101,790	Bachelor's degree	5 years or more	None
11-9131	Postmasters and Mail Superintendents	40	40	-10	-18.6	20	\$73,620	High school diploma	Less than 5 years	Moderate-term OTJ
11-9141	Property, Real Estate, and Community Association Manag	200	230	30	16.2	190	\$48,220	High school diploma	Less than 5 years	None
11-9151	Social and Community Service Managers	140	150	20	11.9	140	\$54,760	Bachelor's degree	Less than 5 years	None

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11-9161	Emergency Management Directors	40	50	10	14.0	40	\$43,460	Bachelor's degree	5 years or more	None
11-9199	Managers, All Other	130	150	20	13.3	110	\$73,430	Bachelor's degree	Less than 5 years	None
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Pr	310	320	0	1.0	270	*	Bachelor's degree	None	Moderate-term OTJ
13-1031	Claims Adjusters, Examiners, and Investigators	90	90	0	4.6	80	\$50,670	High school diploma	None	Long-term OTJ
13-1041	Compliance Officers	330	360	30	9.2	300	\$48,930	Bachelor's degree	None	Moderate-term OTJ
13-1051	Cost Estimators	110	120	20	15.9	130	\$53,260	Bachelor's degree	None	Moderate-term OTJ
13-1071	Human Resources Specialists	300	320	20	8.0	320	\$51,460	Bachelor's degree	None	None
13-1081	Logisticians	30	40	10	15.6	40	\$82,070	Bachelor's degree	None	None
13-1111	Management Analysts	120	140	20	12.3	120	\$55,450	Bachelor's degree	Less than 5 years	None
13-1121	Meeting, Convention, and Event Planners	80	80	10	7.7	100	\$30,850	Bachelor's degree	None	None
13-1151	Training and Development Specialists	160	170	10	8.8	170	\$48,880	Bachelor's degree	Less than 5 years	None
13-1161	Market Research Analysts and Marketing Specialists	160	200	40	22.7	210	\$40,310	Bachelor's degree	None	None
13-1199	Business Operations Specialists, All Other	180	190	10	6.1	180	\$53,770	Bachelor's degree	None	None
13-2011	Accountants and Auditors	860	960	90	10.7	890	\$51,020	Bachelor's degree	None	None
13-2021	Appraisers and Assessors of Real Estate	120	140	20	15.0	100	\$36,890	Bachelor's degree	None	Long-term OTJ
13-2031	Budget Analysts	30	30	0	0.0	20	*	Bachelor's degree	None	None
13-2041	Credit Analysts	30	40	0	12.5	30	*	Bachelor's degree	None	None
13-2071	Credit Counselors	50	50	10	13.3	50	\$48,730	Bachelor's degree	None	Moderate-term OTJ
13-2072	Loan Officers	480	560	80	17.1	500	\$68,490	Bachelor's degree	None	Moderate-term OTJ
13-2082	Tax Preparers	90	90	0	4.4	100	\$37,370	High school diploma	None	Moderate-term OTJ
15-1132	Software Developers, Applications	130	150	30	20.3	110	\$84,930	Bachelor's degree	None	None
15-1134	Web Developers	50	50	10	12.5	40	*	Associate's degree	None	None
15-1141	Database Administrators	50	50	0	8.7	30	\$54,710	Bachelor's degree	None	None
15-1142	Network and Computer Systems Administrators	200	210	10	6.5	140	\$66,670	Bachelor's degree	None	None
15-1143	Computer Network Architects	40	40	0	7.3	30	*	Bachelor's degree	5 years or more	None
15-1151	Computer User Support Specialists	540	600	60	10.8	470	\$36,570	Some college, no deg	None	None
15-1152	Computer Network Support Specialists	110	120	10	8.8	100	\$56,930	Associate's degree	None	None
15-1199	Computer Occupations, All Other	70	80	10	13.4	60	\$66,800	Bachelor's degree	None	None

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Code	Title	2016	2026	Number	Percent			Typical Entry-Level Education ¹	Work Experience in a Related Occupation ²	Typical on-the-job Training ³
17-1022	Surveyors	50	50	0	6.5	40	*	Bachelor's degree	None	Internship/residency
17-2051	Civil Engineers	130	140	10	8.7	100	\$77,560	Bachelor's degree	None	None
17-2071	Electrical Engineers	60	60	10	8.9	40	\$82,780	Bachelor's degree	None	None
17-2081	Environmental Engineers	50	60	0	7.4	40	\$86,230	Bachelor's degree	None	None
17-2111	Health and Safety Engineers, Except Mining Safety Engine	30	40	10	20.7	30	*	Bachelor's degree	None	None
17-2112	Industrial Engineers	80	90	10	14.6	70	\$85,570	Bachelor's degree	None	None
17-2141	Mechanical Engineers	170	190	20	9.3	130	\$90,290	Bachelor's degree	None	None
17-2171	Petroleum Engineers	320	390	70	21.4	290	\$127,460	Bachelor's degree	None	None
17-2199	Engineers, All Other	70	80	10	9.6	60	\$19,690	Bachelor's degree	None	None
17-3011	Architectural and Civil Drafters	50	50	0	2.2	40	*	Associate's degree	None	None
17-3013	Mechanical Drafters	70	70	0	3.0	60	\$54,010	Associate's degree	None	None
17-3022	Civil Engineering Technicians	50	50	0	6.5	40	*	Associate's degree	None	None
17-3023	Electrical and Electronics Engineering Technicians	140	150	10	5.8	130	\$64,450	Associate's degree	None	None
17-3029	Engineering Technicians, Except Drafters, All Other	170	170	10	4.8	150	\$53,440	Associate's degree	None	None
17-3031	Surveying and Mapping Technicians	40	40	0	8.1	40	\$35,860	High school diploma	None	Moderate-term OTJ
19-1011	Animal Scientists	30	30	0	15.4	30	*	Bachelor's degree	None	None
19-1023	Zoologists and Wildlife Biologists	30	30	0	0.0	20	*	Bachelor's degree	None	None
19-1029	Biological Scientists, All Other	30	30	0	3.6	30	\$57,330	Bachelor's degree	None	None
19-1031	Conservation Scientists	50	60	0	7.7	50	\$73,460	Bachelor's degree	None	None
19-2042	Geoscientists, Except Hydrologists and Geographers	80	90	10	13.0	80	\$31,690	Bachelor's degree	None	None
19-3031	Clinical, Counseling, and School Psychologists	40	40	10	13.2	30	*	Doctoral or professio	None	Internship/residency
19-4011	Agricultural and Food Science Technicians	200	210	10	7.0	220	*	Associate's degree	None	Moderate-term OTJ
19-4021	Biological Technicians	140	150	10	9.2	150	*	Bachelor's degree	None	None
19-4031	Chemical Technicians	90	100	10	8.0	90	\$64,030	Associate's degree	None	Moderate-term OTJ
19-4041	Geological and Petroleum Technicians	130	160	30	23.1	170	\$74,720	Associate's degree	None	Moderate-term OTJ
19-4091	Environmental Science and Protection Technicians, Includ	50	50	0	6.7	60	\$40,730	Associate's degree	None	None
19-4099	Life, Physical, and Social Science Technicians, All Other	440	480	40	8.4	560	\$19,510	Associate's degree	None	None
21-1011	Substance Abuse and Behavioral Disorder Counselors	80	100	20	18.5	110	*	Bachelor's degree	None	None

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21-1012	Educational, Guidance, School, and Vocational Counselor:	390	440	50	11.8	470	\$40,930	Master's degree	None	None
21-1014	Mental Health Counselors	210	250	40	17.8	280	*	Master's degree	None	Internship/residency
21-1015	Rehabilitation Counselors	170	190	20	9.3	200	\$22,010	Master's degree	None	None
21-1021	Child, Family, and School Social Workers	420	440	20	5.8	450	\$35,040	Bachelor's degree	None	None
21-1022	Healthcare Social Workers	90	100	10	12.1	110	\$34,350	Master's degree	None	Internship/residency
21-1023	Mental Health and Substance Abuse Social Workers	90	100	10	10.6	110	\$34,620	Master's degree	None	Internship/residency
21-1092	Probation Officers and Correctional Treatment Specialists	120	110	0	-3.4	90	*	Bachelor's degree	None	Short-term OTJ
21-1093	Social and Human Service Assistants	70	70	10	7.5	90	\$27,720	High school diploma	None	Short-term OTJ
21-1094	Community Health Workers	190	210	20	10.2	250	\$47,190	High school diploma	None	Short-term OTJ
21-2011	Clergy	30	30	0	12.0	30	*	Bachelor's degree	None	Moderate-term OTJ
23-1011	Lawyers	160	170	10	6.9	80	\$61,610	Doctoral or professio	None	None
23-1023	Judges, Magistrate Judges, and Magistrates	60	60	0	-1.8	20	\$54,810	Doctoral or professio	5 years or more	Short-term OTJ
23-2011	Paralegals and Legal Assistants	180	190	10	6.6	200	\$35,120	Associate's degree	None	None
23-2093	Title Examiners, Abstractors, and Searchers	140	160	20	14.6	140	\$45,310	High school diploma	None	Moderate-term OTJ
25-1011	Business Teachers, Postsecondary	180	210	30	17.1	170	\$89,140	Doctoral or professio	None	None
25-1021	Computer Science Teachers, Postsecondary	40	40	0	7.5	30	\$87,450	Doctoral or professio	None	None
25-1022	Mathematical Science Teachers, Postsecondary	100	100	10	8.4	80	\$70,650	Doctoral or professio	None	None
25-1032	Engineering Teachers, Postsecondary	140	160	20	13.8	130	*	Doctoral or professio	None	None
25-1041	Agricultural Sciences Teachers, Postsecondary	200	210	10	6.7	160	*	Doctoral or professio	None	None
25-1042	Biological Science Teachers, Postsecondary	90	110	10	14.9	90	*	Doctoral or professio	None	None
25-1071	Health Specialties Teachers, Postsecondary	130	160	30	24.6	140	\$61,170	Doctoral or professio	Less than 5 years	None
25-1072	Nursing Instructors and Teachers, Postsecondary	120	140	30	23.1	130	\$57,700	Doctoral or professio	Less than 5 years	None
25-1081	Education Teachers, Postsecondary	160	180	20	9.2	140	\$53,750	Doctoral or professio	Less than 5 years	None
25-1121	Art, Drama, and Music Teachers, Postsecondary	100	110	10	10.2	90	\$61,250	Master's degree	None	None
25-1122	Communications Teachers, Postsecondary	50	60	10	9.3	50	*	Doctoral or professio	None	None
25-1123	English Language and Literature Teachers, Postsecondary	110	120	10	8.8	100	\$51,450	Doctoral or professio	None	None
25-1194	Vocational Education Teachers, Postsecondary	270	270	0	0.0	200	\$68,350	Bachelor's degree	Less than 5 years	None
25-2011	Preschool Teachers, Except Special Education	200	220	20	7.8	220	\$26,350	Associate's degree	None	None

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25-2012	Kindergarten Teachers, Except Special Education	230	250	20	6.9	250	\$37,310	Bachelor's degree	None	None
25-2021	Elementary School Teachers, Except Special Education	1,400	1,500	90	6.7	1,110	\$38,040	Bachelor's degree	None	None
25-2022	Middle School Teachers, Except Special and Career/Techr	610	650	40	6.6	480	\$39,430	Bachelor's degree	None	None
25-2031	Secondary School Teachers, Except Special and Career/Te	980	1,050	70	6.9	760	\$41,180	Bachelor's degree	None	None
25-2032	Career/Technical Education Teachers, Secondary School	120	130	10	5.8	90	\$43,190	Bachelor's degree	Less than 5 years	None
25-2052	Special Education Teachers, Kindergarten and Elementary	240	250	10	5.9	190	\$40,140	Bachelor's degree	None	None
25-2053	Special Education Teachers, Middle School	100	110	10	5.9	80	\$39,080	Bachelor's degree	None	None
25-2054	Special Education Teachers, Secondary School	110	120	10	6.2	90	\$41,880	Bachelor's degree	None	None
25-3021	Self-Enrichment Education Teachers	130	150	30	22.4	180	\$52,920	High school diploma	Less than 5 years	None
25-3098	Substitute Teachers	770	840	80	9.9	940	\$19,310	Bachelor's degree	None	None
25-4021	Librarians	170	190	20	10.4	190	\$39,430	Master's degree	None	None
25-4031	Library Technicians	110	120	10	9.9	160	\$26,980	Postsecondary non-d	None	None
25-9021	Farm and Home Management Advisors	40	40	0	5.4	40	*	Master's degree	None	None
25-9031	Instructional Coordinators	80	90	10	9.9	80	\$48,550	Master's degree	5 years or more	None
25-9041	Teacher Assistants	1,170	1,250	80	6.7	1,300	\$19,010	Some college, no deg	None	None
27-1023	Floral Designers	90	90	0	-2.2	80	\$23,970	High school diploma	None	Moderate-term OTJ
27-1024	Graphic Designers	130	140	10	6.1	130	\$29,640	Bachelor's degree	None	None
27-2012	Producers and Directors	30	30	0	10.0	30	*	Bachelor's degree	Less than 5 years	None
27-2041	Music Directors and Composers	40	40	0	5.0	40	*	Bachelor's degree	Less than 5 years	None
27-3011	Radio and Television Announcers	100	90	-10	-7.2	80	\$27,490	Bachelor's degree	None	None
27-3022	Reporters and Correspondents	70	70	0	-4.4	60	*	Bachelor's degree	None	None
27-3031	Public Relations Specialists	110	120	10	11.2	120	\$45,180	Bachelor's degree	None	None
27-3041	Editors	60	70	0	3.2	60	\$40,940	Bachelor's degree	Less than 5 years	None
27-3091	Interpreters and Translators	40	40	0	8.3	40	*	Bachelor's degree	None	None
27-4021	Photographers	60	60	0	5.4	50	*	High school diploma	None	Long-term OTJ
29-1011	Chiropractors	60	70	10	7.9	20	\$70,460	Doctoral or professio	None	None
29-1031	Dietitians and Nutritionists	60	70	10	13.1	50	\$43,140	Bachelor's degree	None	Internship/residency
29-1051	Pharmacists	290	310	20	7.2	150	\$116,630	Doctoral or professio	None	None

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29-1062	Family and General Practitioners	170	180	10	6.0	50	\$196,080	Doctoral or professio	None	Internship/residency
29-1069	Physicians and Surgeons, All Other	40	40	0	5.3	10	\$100,240	Doctoral or professio	None	Internship/residency
29-1071	Physician Assistants	70	90	20	30.3	60	\$123,370	Master's degree	None	None
29-1122	Occupational Therapists	30	40	0	12.5	20	*	Master's degree	None	None
29-1123	Physical Therapists	120	150	30	21.0	80	\$86,220	Doctoral or professio	None	None
29-1126	Respiratory Therapists	80	90	10	14.3	50	\$52,300	Associate's degree	None	None
29-1127	Speech-Language Pathologists	80	80	10	7.9	50	\$53,660	Master's degree	None	Internship/residency
29-1131	Veterinarians	140	150	10	9.6	60	\$81,660	Doctoral or professio	None	None
29-1141	Registered Nurses	1,530	1,640	110	7.4	910	\$57,640	Bachelor's degree	None	None
29-1171	Nurse Practitioners	50	60	10	29.2	40	\$98,300	Master's degree	None	None
29-2011	Medical and Clinical Laboratory Technologists	110	110	0	2.8	70	*	Bachelor's degree	None	None
29-2012	Medical and Clinical Laboratory Technicians	140	150	10	6.3	100	*	Associate's degree	None	None
29-2021	Dental Hygienists	60	70	10	12.5	50	\$75,170	Associate's degree	None	None
29-2031	Cardiovascular Technologists and Technicians	30	30	0	0.0	20	*	Associate's degree	None	None
29-2034	Radiologic Technologists	170	180	10	4.1	100	\$53,780	Associate's degree	None	None
29-2041	Emergency Medical Technicians and Paramedics	310	340	40	12.5	230	\$29,060	Postsecondary non-d	None	None
29-2051	Dietetic Technicians	90	90	10	7.1	70	\$22,400	Associate's degree	None	None
29-2052	Pharmacy Technicians	380	440	60	16.3	370	\$26,250	High school diploma	None	Moderate-term OTJ
29-2055	Surgical Technologists	100	100	0	3.0	80	\$41,400	Postsecondary non-d	None	None
29-2061	Licensed Practical and Licensed Vocational Nurses	940	990	50	5.3	730	\$38,050	Postsecondary non-d	None	None
29-2071	Medical Records and Health Information Technicians	140	150	10	5.0	90	\$30,930	Postsecondary non-d	None	None
29-2081	Opticians, Dispensing	50	50	0	8.0	40	*	High school diploma	None	Long-term OTJ
29-9011	Occupational Health and Safety Specialists	190	210	30	14.0	120	\$57,260	Bachelor's degree	None	None
29-9099	Healthcare Practitioners and Technical Workers, All Other	50	50	0	4.3	30	*	Postsecondary non-d	None	None
31-1011	Home Health Aides	520	720	200	38.7	900	\$22,270	High school diploma	None	Short-term OTJ
31-1014	Nursing Assistants	1,590	1,670	80	4.9	1,890	\$23,120	Postsecondary non-d	None	None
31-2021	Physical Therapist Assistants	50	60	10	22.0	80	\$64,300	Associate's degree	None	None
31-9091	Dental Assistants	410	460	50	11.4	520	\$32,910	Postsecondary non-d	None	None

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31-9092	Medical Assistants	360	430	70	20.5	490	\$27,660	Postsecondary non-d	None	None
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	90	100	10	9.6	160	\$22,830	High school diploma	None	Short-term OTJ
31-9097	Phlebotomists	140	170	20	16.1	180	\$29,360	Postsecondary non-d	None	None
33-1012	First-Line Supervisors of Police and Detectives	100	120	20	15.0	80	\$57,640	High school diploma	Less than 5 years	Moderate-term OTJ
33-1021	First-Line Supervisors of Fire Fighting and Prevention Workers	100	120	20	16.0	90	\$58,040	Postsecondary non-d	Less than 5 years	Moderate-term OTJ
33-2011	Firefighters	300	340	40	14.8	250	\$28,530	Postsecondary non-d	None	Long-term OTJ
33-3021	Detectives and Criminal Investigators	40	40	0	0.0	30	\$52,210	High school diploma	Less than 5 years	Moderate-term OTJ
33-3051	Police and Sheriff's Patrol Officers	810	910	110	13.0	650	\$38,610	High school diploma	None	Moderate-term OTJ
33-9011	Animal Control Workers	30	30	10	17.9	40	*	High school diploma	None	Moderate-term OTJ
33-9031	Gaming Surveillance Officers and Gaming Investigators	80	90	10	15.4	120	\$25,540	High school diploma	Less than 5 years	Moderate-term OTJ
33-9032	Security Guards	470	520	50	10.4	690	\$23,840	High school diploma	None	Short-term OTJ
33-9091	Crossing Guards	30	30	0	7.1	50	*	No formal education	None	Short-term OTJ
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Workers	70	80	10	12.9	190	\$18,360	No formal education	None	Short-term OTJ
35-2011	Cooks, Fast Food	860	860	10	0.9	1,200	\$18,570	No formal education	None	Short-term OTJ
35-2012	Cooks, Institution and Cafeteria	950	990	40	4.1	1,380	\$21,020	No formal education	None	Short-term OTJ
35-2014	Cooks, Restaurant	1,140	1,360	220	19.5	1,960	\$21,920	No formal education	Less than 5 years	Moderate-term OTJ
35-2015	Cooks, Short Order	320	330	10	2.2	460	\$18,690	No formal education	None	Short-term OTJ
35-2021	Food Preparation Workers	560	610	50	9.5	1,030	\$19,690	No formal education	None	Short-term OTJ
35-3011	Bartenders	360	400	40	9.9	660	\$19,060	No formal education	None	Short-term OTJ
35-3021	Combined Food Preparation and Serving Workers, Including Short Order Cooks	2,770	3,430	660	23.6	6,270	\$18,300	No formal education	None	Short-term OTJ
35-3031	Waiters and Waitresses	1,960	2,240	290	14.6	4,220	\$18,770	No formal education	None	Short-term OTJ
35-9021	Dishwashers	310	350	40	11.8	550	\$19,580	No formal education	None	Short-term OTJ
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	200	230	30	14.7	520	\$18,160	No formal education	None	Short-term OTJ
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	300	330	40	13.2	390	\$30,180	High school diploma	Less than 5 years	None
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Maintenance Workers	110	130	20	17.1	130	\$47,230	High school diploma	Less than 5 years	None
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	2,170	2,410	240	11.0	3,170	\$22,190	No formal education	None	Short-term OTJ
37-2012	Maids and Housekeeping Cleaners	1,120	1,230	110	9.7	1,630	\$19,760	No formal education	None	Short-term OTJ
37-3011	Landscaping and Groundskeeping Workers	790	920	140	17.1	1,150	\$25,270	No formal education	None	Short-term OTJ

NORTHWEST OKLAHOMA OCCUPATIONAL PROJECTIONS, 2016 AND PROJECTED 2026

Occupation		Employment		Employment Change		Total Openings	Median Annual Wage, 2018	Education and Training Classification		
Code	Title	2016	2026	Number	Percent			Typical Entry-Level Education ¹	Work Experience in a Related Occupation ²	Typical on-the-job Training ³
39-1011	Gaming Supervisors	140	170	20	16.0	260	*	High school diploma	Less than 5 years	None
39-3091	Amusement and Recreation Attendants	100	110	20	17.9	250	\$18,330	No formal education	None	Short-term OTJ
39-4021	Funeral Attendants	60	50	-10	-10.3	80	\$23,340	High school diploma	None	Short-term OTJ
39-5012	Hairdressers, Hairstylists, and Cosmetologists	140	150	10	8.5	180	\$24,290	Postsecondary non-d	None	None
39-9011	Childcare Workers	730	790	60	8.3	1,160	\$18,870	High school diploma	None	Short-term OTJ
39-9021	Personal Care Aides	830	1,090	260	30.8	1,600	\$19,340	High school diploma	None	Short-term OTJ
39-9031	Fitness Trainers and Aerobics Instructors	140	160	20	15.4	260	\$23,850	High school diploma	None	Short-term OTJ
39-9032	Recreation Workers	130	150	20	13.3	240	\$23,100	High school diploma	None	Short-term OTJ
39-9041	Residential Advisors	90	90	10	5.8	150	\$23,620	High school diploma	None	Short-term OTJ
41-1011	First-Line Supervisors of Retail Sales Workers	1,810	1,970	160	8.6	2,130	\$41,470	High school diploma	Less than 5 years	None
41-1012	First-Line Supervisors of Non-Retail Sales Workers	150	170	20	10.4	160	\$51,740	High school diploma	Less than 5 years	None
41-2011	Cashiers	3,850	4,000	150	3.9	7,430	\$19,330	No formal education	None	Short-term OTJ
41-2012	Gaming Change Persons and Booth Cashiers	140	170	30	17.4	320	\$21,380	No formal education	None	Short-term OTJ
41-2021	Counter and Rental Clerks	200	210	20	8.2	270	\$25,520	No formal education	None	Short-term OTJ
41-2022	Parts Salespersons	420	460	40	9.0	580	\$31,530	No formal education	None	Moderate-term OTJ
41-2031	Retail Salespersons	3,560	3,790	230	6.4	5,470	\$22,240	No formal education	None	Short-term OTJ
41-3011	Advertising Sales Agents	50	40	0	-6.4	50	\$31,930	High school diploma	None	Moderate-term OTJ
41-3021	Insurance Sales Agents	390	450	60	16.5	460	\$35,390	High school diploma	None	Moderate-term OTJ
41-3099	Sales Representatives, Services, All Other	510	540	30	6.7	650	\$44,880	High school diploma	None	Moderate-term OTJ
41-4011	Sales Representatives, Wholesale and Manufacturing, Tex	380	420	40	10.6	440	\$67,800	Bachelor's degree	None	Moderate-term OTJ
41-4012	Sales Representatives, Wholesale and Manufacturing, Exc	580	660	70	12.7	690	\$56,820	High school diploma	None	Moderate-term OTJ
41-9022	Real Estate Sales Agents	320	360	40	13.8	350	\$33,500	High school diploma	None	Moderate-term OTJ
43-1011	First-Line Supervisors of Office and Administrative Support	1,250	1,330	80	6.0	1,320	\$45,070	High school diploma	Less than 5 years	None
43-2011	Switchboard Operators, Including Answering Service	50	40	-10	-23.9	40	*	High school diploma	None	Short-term OTJ
43-3011	Bill and Account Collectors	160	160	0	0.0	170	\$31,890	High school diploma	None	Moderate-term OTJ
43-3021	Billing and Posting Clerks	220	240	30	13.5	250	\$32,380	High school diploma	None	Moderate-term OTJ
43-3031	Bookkeeping, Accounting, and Auditing Clerks	2,090	2,140	50	2.2	2,370	\$33,860	Some college, no deg	None	Moderate-term OTJ
43-3041	Gaming Cage Workers	140	160	20	17.0	250	\$21,460	High school diploma	None	Short-term OTJ

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Occupation		Employment		Employment Change		Total Openings	Median Annual Wage, 2018	Education and Training Classification		
Code	Title	2016	2026	Number	Percent			Typical Entry-Level Education ¹	Work Experience in a Related Occupation ²	Typical on-the-job Training ³
43-3051	Payroll and Timekeeping Clerks	240	240	10	3.0	240	\$39,500	High school diploma	None	Moderate-term OTJ
43-3071	Tellers	740	720	-20	-3.1	820	\$26,450	High school diploma	None	Short-term OTJ
43-4031	Court, Municipal, and License Clerks	200	230	30	14.9	210	\$31,320	High school diploma	None	Moderate-term OTJ
43-4051	Customer Service Representatives	850	900	50	6.0	1,160	\$30,170	High school diploma	None	Short-term OTJ
43-4071	File Clerks	80	80	-10	-6.2	90	\$30,620	High school diploma	None	Short-term OTJ
43-4081	Hotel, Motel, and Resort Desk Clerks	350	390	40	11.2	610	\$19,020	High school diploma	None	Short-term OTJ
43-4111	Interviewers, Except Eligibility and Loan	50	40	0	-2.2	50	\$27,870	High school diploma	None	Short-term OTJ
43-4121	Library Assistants, Clerical	110	120	10	12.4	170	\$18,800	High school diploma	None	Short-term OTJ
43-4131	Loan Interviewers and Clerks	310	370	60	18.5	370	\$33,700	High school diploma	None	Short-term OTJ
43-4141	New Accounts Clerks	110	110	0	0.0	120	\$34,570	High school diploma	None	Moderate-term OTJ
43-4151	Order Clerks	50	50	0	6.5	60	*	High school diploma	None	Short-term OTJ
43-4161	Human Resources Assistants, Except Payroll and Timekee	110	110	0	-1.8	120	\$37,040	Associate's degree	None	None
43-4171	Receptionists and Information Clerks	480	490	20	3.4	640	\$23,830	High school diploma	None	Short-term OTJ
43-5031	Police, Fire, and Ambulance Dispatchers	220	240	30	13.5	230	\$27,910	High school diploma	None	Moderate-term OTJ
43-5032	Dispatchers, Except Police, Fire, and Ambulance	190	200	10	4.2	180	\$37,130	High school diploma	None	Moderate-term OTJ
43-5041	Meter Readers, Utilities	30	30	0	3.9	20	\$30,080	High school diploma	None	Short-term OTJ
43-5051	Postal Service Clerks	130	130	-10	-6.0	90	\$45,660	High school diploma	None	Short-term OTJ
43-5052	Postal Service Mail Carriers	390	360	-30	-8.0	220	\$46,520	High school diploma	None	Short-term OTJ
43-5061	Production, Planning, and Expediting Clerks	210	230	20	10.2	240	\$47,890	High school diploma	None	Moderate-term OTJ
43-5071	Shipping, Receiving, and Traffic Clerks	280	280	10	2.9	280	\$31,480	High school diploma	None	Short-term OTJ
43-5081	Stock Clerks and Order Fillers	1,600	1,750	150	9.6	2,260	\$22,880	High school diploma	None	Short-term OTJ
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordke	70	80	10	12.5	80	*	High school diploma	None	Short-term OTJ
43-6011	Executive Secretaries and Executive Administrative Assist	610	510	-100	-16.3	500	\$38,630	High school diploma	Less than 5 years	None
43-6012	Legal Secretaries	90	70	-20	-26.4	60	*	High school diploma	None	Moderate-term OTJ
43-6013	Medical Secretaries	670	760	90	13.4	850	\$26,570	High school diploma	None	Moderate-term OTJ
43-6014	Secretaries and Administrative Assistants, Except Legal, N	3,290	3,080	-220	-6.6	3,170	\$29,520	High school diploma	None	Short-term OTJ
43-9021	Data Entry Keyers	100	80	-20	-19.2	90	\$35,850	High school diploma	None	Short-term OTJ
43-9041	Insurance Claims and Policy Processing Clerks	40	50	10	17.1	50	*	High school diploma	None	Moderate-term OTJ

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Occupation		Employment		Employment Change		Total Openings	Median Annual Wage, 2018	Education and Training Classification		
Code	Title	2016	2026	Number	Percent			Typical Entry-Level Education ¹	Work Experience in a Related Occupation ²	Typical on-the-job Training ³
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	40	30	0	-8.6	30	*	High school diploma or less	None	Short-term OTJ
43-9061	Office Clerks, General	2,390	2,400	10	0.4	2,780	\$25,590	High school diploma or less	None	Short-term OTJ
45-2091	Agricultural Equipment Operators	250	290	50	18.1	450	\$31,180	No formal education	None	Moderate-term OTJ
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	1,080	1,170	90	8.5	1,790	\$22,350	No formal education	None	Short-term OTJ
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	1,260	1,500	240	19.0	1,550	\$64,430	High school diploma or less	5 years or more	None
47-2011	Boilermakers	90	90	10	7.1	90	*	High school diploma or less	None	Apprenticeship
47-2031	Carpenters	360	420	50	14.3	400	\$35,190	High school diploma or less	None	Apprenticeship
47-2041	Carpet Installers	30	40	10	16.7	30	*	No formal education	None	Short-term OTJ
47-2044	Tile and Marble Setters	70	80	10	17.4	80	*	No formal education	None	Long-term OTJ
47-2051	Cement Masons and Concrete Finishers	200	230	40	19.0	260	\$32,450	No formal education	None	Moderate-term OTJ
47-2061	Construction Laborers	1,940	2,300	360	18.7	2,500	\$31,400	No formal education	None	Short-term OTJ
47-2071	Paving, Surfacing, and Tamping Equipment Operators	170	200	30	15.1	210	\$35,560	High school diploma or less	None	Moderate-term OTJ
47-2073	Operating Engineers and Other Construction Equipment Operators	620	700	90	13.9	800	\$43,880	High school diploma or less	None	Moderate-term OTJ
47-2111	Electricians	530	610	80	15.2	700	\$46,210	High school diploma or less	None	Apprenticeship
47-2141	Painters, Construction and Maintenance	370	420	40	11.6	370	\$34,660	No formal education	None	Moderate-term OTJ
47-2152	Plumbers, Pipefitters, and Steamfitters	590	710	120	20.1	780	\$43,060	High school diploma or less	None	Apprenticeship
47-2181	Roofers	70	80	10	17.7	80	*	No formal education	None	Moderate-term OTJ
47-2211	Sheet Metal Workers	160	180	20	12.5	200	*	High school diploma or less	None	Apprenticeship
47-3013	Helpers--Electricians	210	240	40	17.1	340	\$55,450	High school diploma or less	None	Short-term OTJ
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	160	200	40	26.7	300	\$29,530	High school diploma or less	None	Short-term OTJ
47-4011	Construction and Building Inspectors	80	90	10	7.2	100	\$91,850	High school diploma or less	5 years or more	Moderate-term OTJ
47-4051	Highway Maintenance Workers	610	710	100	15.8	760	\$36,080	High school diploma or less	None	Moderate-term OTJ
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	70	80	10	19.4	100	*	High school diploma or less	None	Moderate-term OTJ
47-5011	Derrick Operators, Oil and Gas	140	180	40	28.0	230	\$46,970	No formal education	None	Short-term OTJ
47-5012	Rotary Drill Operators, Oil and Gas	270	340	70	27.6	430	\$45,000	No formal education	None	Moderate-term OTJ
47-5013	Service Unit Operators, Oil, Gas, and Mining	820	1,030	210	26.2	1,300	\$60,020	No formal education	None	Moderate-term OTJ
47-5071	Roustabouts, Oil and Gas	1,190	1,500	310	26.4	1,940	\$38,350	No formal education	None	Moderate-term OTJ
47-5081	Helpers--Extraction Workers	90	110	20	20.0	140	\$37,410	High school diploma or less	None	Moderate-term OTJ

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Occupation		Employment		Employment Change		Total Openings	Median Annual Wage, 2018	Education and Training Classification		
Code	Title	2016	2026	Number	Percent			Typical Entry-Level Education ¹	Work Experience in a Related Occupation ²	Typical on-the-job Training ³
49-1011	First-Line Supervisors of Mechanics, Installers, and Repair	500	540	40	8.6	480	\$66,200	High school diploma	Less than 5 years	None
49-2022	Telecommunications Equipment Installers and Repairers,	260	250	-10	-3.5	250	\$47,530	Postsecondary non-d	None	Moderate-term OTJ
49-2094	Electrical and Electronics Repairers, Commercial and Indu	60	60	10	12.3	60	\$52,800	Postsecondary non-d	None	Long-term OTJ
49-3011	Aircraft Mechanics and Service Technicians	580	620	40	6.5	490	*	Postsecondary non-d	None	None
49-3021	Automotive Body and Related Repairers	190	190	0	-1.6	180	\$41,220	High school diploma	None	Long-term OTJ
49-3023	Automotive Service Technicians and Mechanics	810	870	60	7.9	830	\$35,890	Postsecondary non-d	None	Short-term OTJ
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	390	430	40	10.0	400	\$39,380	High school diploma	None	Long-term OTJ
49-3041	Farm Equipment Mechanics and Service Technicians	130	160	20	18.3	160	\$51,480	High school diploma	None	Long-term OTJ
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	170	190	20	11.6	190	\$44,500	High school diploma	None	Long-term OTJ
49-3053	Outdoor Power Equipment and Other Small Engine Mech	110	120	10	13.1	130	\$29,060	High school diploma	None	Moderate-term OTJ
49-9012	Control and Valve Installers and Repairers, Except Mecha	60	70	10	13.6	60	\$47,790	High school diploma	None	Moderate-term OTJ
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics ar	350	430	70	20.9	440	\$44,880	Postsecondary non-d	None	Long-term OTJ
49-9041	Industrial Machinery Mechanics	500	560	60	12.2	510	\$46,380	High school diploma	None	Long-term OTJ
49-9043	Maintenance Workers, Machinery	260	290	30	11.4	310	\$63,840	High school diploma	None	Long-term OTJ
49-9051	Electrical Power-Line Installers and Repairers	220	250	30	14.4	210	\$64,640	High school diploma	None	Long-term OTJ
49-9052	Telecommunications Line Installers and Repairers	110	120	10	11.4	120	\$64,140	High school diploma	None	Long-term OTJ
49-9071	Maintenance and Repair Workers, General	1250	1380	140	11.0	1400	\$29,560	High school diploma	None	Moderate-term OTJ
49-9091	Coin, Vending, and Amusement Machine Servicers and Re	40	40	0	2.5	50	\$28,370	High school diploma	None	Short-term OTJ
49-9098	Helpers--Installation, Maintenance, and Repair Workers	160	180	20	10.6	230	\$34,410	High school diploma	None	Short-term OTJ
51-1011	First-Line Supervisors of Production and Operating Work	700	740	50	6.6	740	\$62,780	High school diploma	Less than 5 years	None
51-2022	Electrical and Electronic Equipment Assemblers	50	40	-10	-19.2	40	*	High school diploma	None	Moderate-term OTJ
51-2092	Team Assemblers	510	460	-50	-10.6	500	*	High school diploma	None	Moderate-term OTJ
51-2099	Assemblers and Fabricators, All Other	50	50	0	-5.7	60	*	High school diploma	None	Moderate-term OTJ
51-3011	Bakers	160	170	20	10.3	240	\$22,660	No formal education	None	Long-term OTJ
51-3021	Butchers and Meat Cutters	220	240	20	8.7	290	\$27,690	No formal education	None	Long-term OTJ
51-3092	Food Batchmakers	90	100	10	8.9	140	\$25,710	High school diploma	None	Moderate-term OTJ
51-3099	Food Processing Workers, All Other	30	40	10	18.2	50	*	No formal education	None	Moderate-term OTJ
51-4011	Computer-Controlled Machine Tool Operators, Metal anc	190	200	10	7.0	200	\$45,650	High school diploma	None	Moderate-term OTJ

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Occupation		Employment		Employment Change		Total Openings	Median Annual Wage, 2018	Education and Training Classification		
Code	Title	2016	2026	Number	Percent			Typical Entry-Level Education ¹	Work Experience in a Related Occupation ²	Typical on-the-job Training ³
51-4031	Cutting, Punching, and Press Machine Setters, Operators,	140	140	0	-1.4	160	\$33,830	High school diploma	None	Moderate-term OTJ
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Se	30	30	0	-5.9	30	*	High school diploma	None	Moderate-term OTJ
51-4041	Machinists	330	360	30	7.9	370	\$37,480	High school diploma	None	Long-term OTJ
51-4121	Welders, Cutters, Solderers, and Brazers	920	1010	90	10.0	1100	\$40,620	High school diploma	None	Moderate-term OTJ
51-4122	Welding, Soldering, and Brazing Machine Setters, Operate	70	60	-10	-9.1	60	*	High school diploma	None	Moderate-term OTJ
51-5112	Printing Press Operators	70	70	-10	-6.9	70	\$19,980	High school diploma	None	Moderate-term OTJ
51-8013	Power Plant Operators	50	50	0	4.4	40	\$42,090	High school diploma	None	Long-term OTJ
51-8031	Water and Wastewater Treatment Plant and System Ope	270	280	10	3.3	240	\$34,420	High school diploma	None	Long-term OTJ
51-8092	Gas Plant Operators	90	90	0	2.3	90	\$69,820	High school diploma	None	Long-term OTJ
51-8093	Petroleum Pump System Operators, Refinery Operators, i	500	560	60	12.1	580	\$83,130	High school diploma	None	Moderate-term OTJ
51-9011	Chemical Equipment Operators and Tenders	290	290	0	-0.4	300	\$52,170	High school diploma	None	Moderate-term OTJ
51-9021	Crushing, Grinding, and Polishing Machine Setters, Opera	80	80	0	-3.8	80	\$29,140	High school diploma	None	Moderate-term OTJ
51-9023	Mixing and Blending Machine Setters, Operators, and Ter	40	40	0	5.3	50	\$35,080	High school diploma	None	Moderate-term OTJ
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	180	180	-10	-3.3	210	\$45,910	High school diploma	None	Moderate-term OTJ
51-9111	Packaging and Filling Machine Operators and Tenders	380	400	20	6.1	470	\$19,810	High school diploma	None	Moderate-term OTJ
51-9121	Coating, Painting, and Spraying Machine Setters, Operato	130	140	10	5.3	150	\$33,760	High school diploma	None	Moderate-term OTJ
51-9198	Helpers--Production Workers	380	420	40	9.4	640	\$37,730	High school diploma	None	Short-term OTJ
51-9199	Production Workers, All Other	40	50	10	20.5	60	\$22,190	High school diploma	None	Moderate-term OTJ
53-1031	First-Line Supervisors of Transportation and Material-Mo	270	290	20	8.2	300	*	High school diploma	Less than 5 years	None
53-3021	Bus Drivers, Transit and Intercity	130	140	20	13.6	180	\$48,020	High school diploma	None	Moderate-term OTJ
53-3022	Bus Drivers, School or Special Client	440	430	0	-0.5	520	\$21,840	High school diploma	None	Short-term OTJ
53-3031	Driver/Sales Workers	250	270	10	4.7	290	\$19,530	High school diploma	None	Short-term OTJ
53-3032	Heavy and Tractor-Trailer Truck Drivers	3160	3520	360	11.5	3870	\$42,260	Postsecondary non-d	None	Short-term OTJ
53-3033	Light Truck or Delivery Services Drivers	930	1030	100	11.1	1130	\$26,570	High school diploma	None	Short-term OTJ
53-3041	Taxi Drivers and Chauffeurs	110	120	10	10.2	120	\$18,700	No formal education	None	Short-term OTJ
53-6021	Parking Lot Attendants	40	50	0	9.8	70	*	No formal education	None	Short-term OTJ
53-7011	Conveyor Operators and Tenders	290	320	20	7.1	430	\$30,870	No formal education	None	Short-term OTJ
53-7021	Crane and Tower Operators	60	70	10	15.5	70	\$54,740	High school diploma	Less than 5 years	Moderate-term OTJ

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		2016	2026	Number	Percent			Typical Entry-Level Education ¹	Work Experience in a Related Occupation ²	Typical on-the-job Training ³
53-7032	Excavating and Loading Machine and Dragline Operators	100	100	0	1.0	110	\$39,250	High school diploma	Less than 5 years	Moderate-term OTJ
53-7051	Industrial Truck and Tractor Operators	360	410	40	11.6	460	\$31,590	No formal education	None	Short-term OTJ
53-7061	Cleaners of Vehicles and Equipment	350	380	30	9.3	530	\$21,790	No formal education	None	Short-term OTJ
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	1360	1500	140	10.5	2070	\$24,110	No formal education	None	Short-term OTJ
53-7064	Packers and Packagers, Hand	230	220	-10	-2.6	330	\$21,820	No formal education	None	Short-term OTJ
53-7072	Pump Operators, Except Wellhead Pumpers	100	130	20	23.1	160	\$52,450	High school diploma	None	Moderate-term OTJ
53-7073	Wellhead Pumpers	110	130	30	23.2	170	\$60,710	High school diploma	Less than 5 years	Moderate-term OTJ
53-7081	Refuse and Recyclable Material Collectors	210	240	40	17.1	300	\$34,190	No formal education	None	Short-term OTJ

Footnotes:

¹Represents the typical education level needed to enter the occupation.

²Indicates if work experience in a related occupation is commonly considered necessary by employers for entry, or is a commonly accepted substitute for formal types of training.

³OTJ= on-the-job Training, which indicates the typical on-the-job training needed to attain competency in the occupation.

⁴Total, All Occupations include covered employment and self-employed workers. Covered employment data are from the Bureau of Labor Statistics(BLS) Quarterly Census of Employment and Wages(QCEW) program from Oklahoma Employment Security Commission. Self-employed workers data are produced from the projection matrix system based on Oklahoma Occupational Employment Statistics(OES) survey. Employment estimates have been rounded to the nearest 10. Percent change is based on unrounded data.

* Indicates that a wage estimate is not available. Wage data are from the Occupational Employment Statistics program, Oklahoma Employment Security Commission, Research & Analysis Division.

NOTE: For more information about the education, work experience, and OTJ categories assigned to occupations, see https://www.bls.gov/emp/ep_nem_definitions.htm#education

Source: Employment Projections program, Oklahoma Employment Security Commission, Economic Research & Analysis Division.