

OKLAHOMA'S 100 "CRITICAL OCCUPATIONS" (2018-2028)

SOC	DESCRIPTION	2018 JOBS	2028 JOBS	JOBS CHANGE	PERCENT CHANGE	MEDIAN HOURLY EARNINGS	EDUCATION LEVEL	TYPICAL ENTRY LEVEL EDUCATION	WORK EXPERIENCE REQUIRED	TYPICAL ON-THE-JOB TRAINING	FOR EDUCATIONAL LEVELS OF HIGH SCHOOL DIPLOMA OR LESS, IS THERE A CERTIFICATE AVAILABLE?	ANNUAL OPENINGS	APR 2018 UNIQUE POSTINGS
29-1069	Physicians and Surgeons, All Other	2,511	3,023	294	20.4%	\$105.76	7	Doctoral or professional degree	None	Internship/residency		108	546
29-1021	Dentists, General	1,294	1,486	192	14.8%	\$65.78	7	Doctoral or professional degree	None	None		57	74
29-1041	Optometrists	671	831	152	23.8%	\$49.30	7	Doctoral or professional degree	None	None		38	8
29-1131	Veterinarians	984	1,115	117	13.3%	\$39.73	7	Doctoral or professional degree	None	None		50	47
29-1123	Physical Therapists	2,014	2,544	511	26.3%	\$39.44	7	Doctoral or professional degree	None	None		143	572
29-1071	Physician Assistants	1,452	1,762	278	21.3%	\$49.20	6	Master's degree	None	None		115	238
29-1171	Nurse Practitioners	1,385	1,727	342	24.7%	\$43.36	6	Master's degree	None	None		109	221
29-1127	Speech-Language Pathologists	1,617	1,865	228	15.3%	\$30.00	6	Master's degree	None	Internship/residency		110	233
11-9041	Architectural and Engineering Managers	2,191	2,114	110	-3.5%	\$56.68	5	Bachelor's degree	5 years or more	None		153	157
17-2171	Petroleum Engineers	2,673	2,860	172	7.0%	\$55.32	5	Bachelor's degree	None	None		204	69
19-2042	Geoscientists, Except Hydrologists and Geographers	1,040	1,180	97	13.5%	\$54.73	5	Bachelor's degree	None	None		113	12
11-3021	Computer and Information Systems Managers	3,264	3,561	315	9.1%	\$47.42	5	Bachelor's degree	5 years or more	None		277	115
11-3031	Financial Managers	6,532	7,073	509	8.3%	\$43.58	5	Bachelor's degree	5 years or more	None		543	449
17-2071	Electrical Engineers	1,548	1,341	68	-13.4%	\$41.40	5	Bachelor's degree	None	None		90	283
15-1132	Software Developers, Applications	4,801	4,923	494	2.5%	\$39.05	5	Bachelor's degree	None	None		345	1,030
17-2112	Industrial Engineers	2,609	1,901	156	-27.1%	\$38.60	5	Bachelor's degree	None	None		134	583
17-2051	Civil Engineers	2,269	2,512	205	10.7%	\$38.15	5	Bachelor's degree	None	None		193	204
11-1021	General and Operations Managers	27,503	29,825	2,167	8.4%	\$37.47	5	Bachelor's degree	5 years or more	None		2,523	1,066
17-2141	Mechanical Engineers	3,037	2,704	134	-11.0%	\$37.39	5	Bachelor's degree	None	None		182	390
11-9111	Medical and Health Services Managers	5,899	6,585	426	11.6%	\$37.09	5	Bachelor's degree	Less than 5 years	None		532	491
17-1011	Architects, Except Landscape and Naval	785	902	108	14.9%	\$36.77	5	Bachelor's degree	None	Internship/residency		73	12
15-1121	Computer Systems Analysts	3,388	3,757	580	10.9%	\$36.73	5	Bachelor's degree	None	None		277	454
15-1133	Software Developers, Systems Software	2,947	2,536	211	-13.9%	\$35.78	5	Bachelor's degree	None	None		175	158
11-9021	Construction Managers	2,996	3,222	238	7.5%	\$35.55	5	Bachelor's degree	None	Moderate-term on-the-job training		234	191
13-1081	Logisticians	2,280	2,436	114	6.8%	\$35.28	5	Bachelor's degree	None	None		239	171
15-1122	Information Security Analysts	675	707	71	4.7%	\$34.44	5	Bachelor's degree	Less than 5 years	None		52	197
13-1111	Management Analysts	4,492	5,201	492	15.8%	\$33.84	5	Bachelor's degree	Less than 5 years	None		467	515
15-1141	Database Administrators	943	1,000	75	6.0%	\$33.23	5	Bachelor's degree	None	None		68	91
17-2081	Environmental Engineers	710	785	61	10.6%	\$32.38	5	Bachelor's degree	None	None		55	53
29-9011	Occupational Health and Safety Specialists	1,363	1,502	86	10.2%	\$31.41	5	Bachelor's degree	None	None		83	66
13-2051	Financial Analysts	1,780	1,883	205	5.8%	\$30.80	5	Bachelor's degree	None	None		169	114
15-1142	Network and Computer Systems Administrators	2,897	3,019	170	4.2%	\$30.52	5	Bachelor's degree	None	None		196	577
13-2052	Personal Financial Advisors	1,235	1,496	261	21.1%	\$29.72	5	Bachelor's degree	None	Long-term on-the-job training		127	102
13-2011	Accountants and Auditors	14,926	17,050	2,066	14.2%	\$29.34	5	Bachelor's degree	None	None		1,603	797
15-2031	Operations Research Analysts	827	928	179	12.2%	\$28.35	5	Bachelor's degree	None	None		67	62
13-1051	Cost Estimators	1,901	2,060	234	8.4%	\$27.84	5	Bachelor's degree	None	Moderate-term on-the-job training		210	62
19-2041	Environmental Scientists and Specialists, Including Health	478	570	76	19.2%	\$27.08	5	Bachelor's degree	None	None		56	15

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13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	3,883	3,849	76	-0.9%	\$27.07	5	Bachelor's degree	None	Moderate-term on-the-job training		338	224
13-1022	Wholesale and Retail Buyers, Except Farm Products	1,301	1,402	109	7.8%	\$27.00	5	Bachelor's degree	None	Moderate-term on-the-job training		162	11
29-2011	Medical and Clinical Laboratory Technologists	2,041	2,348	253	15.0%	\$26.82	5	Bachelor's degree	None	None		164	170
13-2061	Financial Examiners	429	549	58	28.0%	\$26.52	5	Bachelor's degree	None	Long-term on-the-job training		44	15
29-1031	Dietitians and Nutritionists	741	848	83	14.4%	\$25.92	5	Bachelor's degree	None	Internship/residency		57	48
13-2072	Loan Officers	4,222	4,674	409	10.7%	\$25.61	5	Bachelor's degree	None	Moderate-term on-the-job training		402	206
13-2041	Credit Analysts	615	676	62	9.9%	\$24.36	5	Bachelor's degree	None	None		58	33
13-1151	Training and Development Specialists	2,902	3,032	175	4.5%	\$24.32	5	Bachelor's degree	Less than 5 years	None		298	288
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	11,338	11,576	238	2.1%	\$19.61	5	Bachelor's degree	None	None		833	320
25-2022	Middle School Teachers, Except Special and Career/Technical Education	7,250	7,411	161	2.2%	\$19.37	5	Bachelor's degree	None	None		548	82
25-2052	Special Education Teachers, Kindergarten and Elementary School	2,140	2,192	52	2.4%	\$18.94	5	Bachelor's degree	None	None		162	61
25-2021	Elementary School Teachers, Except Special Education	16,151	16,515	364	2.3%	\$18.67	5	Bachelor's degree	None	None		1,221	799
29-2021	Dental Hygienists	2,050	2,385	329	16.3%	\$35.63	4	Associate's degree	None	None		166	51
29-2032	Diagnostic Medical Sonographers	926	1,096	170	18.4%	\$31.90	4	Associate's degree	None	None		69	40
17-3023	Electrical and Electronics Engineering Technicians	1,510	1,549	22	2.6%	\$30.16	4	Associate's degree	None	None		136	151
29-2035	Magnetic Resonance Imaging Technologists	330	373	43	13.0%	\$29.83	4	Associate's degree	Less than 5 years	None		23	41
17-3026	Industrial Engineering Technicians	885	724	23	-18.2%	\$29.04	4	Associate's degree	None	None		64	85
29-1141	Registered Nurses	27,389	30,633	2,558	11.8%	\$28.49	4	Associate's degree	None	None		1,751	5,483
19-4041	Geological and Petroleum Technicians	1,302	1,406	104	8.0%	\$25.92	4	Associate's degree	None	Moderate-term on-the-job training		148	10
29-1126	Respiratory Therapists	1,149	1,248	94	8.6%	\$25.11	4	Associate's degree	None	None		66	148
17-3022	Civil Engineering Technicians	719	762	43	6.0%	\$25.08	4	Associate's degree	None	None		69	30
15-1134	Web Developers	943	1,096	157	16.2%	\$24.34	4	Associate's degree	None	None		86	502
29-2034	Radiologic Technologists	2,321	2,512	139	8.2%	\$24.22	4	Associate's degree	None	None		144	170
19-4031	Chemical Technicians	557	590	38	5.9%	\$22.07	4	Associate's degree	None	Moderate-term on-the-job training		58	32
17-3025	Environmental Engineering Technicians	349	372	26	6.6%	\$17.57	4	Associate's degree	None	None		33	9
29-2031	Cardiovascular Technologists and Technicians	599	691	92	15.4%	\$16.59	4	Associate's degree	None	None		43	126
29-2012	Medical and Clinical Laboratory Technicians	2,201	2,583	339	17.4%	\$14.99	4	Associate's degree	None	None		183	87
29-2056	Veterinary Technologists and Technicians	906	1,121	211	23.7%	\$14.98	4	Associate's degree	None	None		101	38
19-4091	Environmental Science and Protection Technicians, Including Health	371	403	31	8.6%	\$14.41	4	Associate's degree	None	None		48	105
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	3,421	3,964	531	15.9%	\$21.11	3	Postsecondary nondegree award	None	Long-term on-the-job training		406	140
33-2011	Firefighters	3,656	4,425	736	21.0%	\$19.34	3	Postsecondary nondegree award	None	Long-term on-the-job training		339	9
53-3032	Heavy and Tractor-Trailer Truck Drivers	24,021	26,425	2,426	10.0%	\$19.28	3	Postsecondary nondegree award	None	Short-term on-the-job training		2,928	17,573
29-2061	Licensed Practical and Licensed Vocational Nurses	11,306	11,995	469	6.1%	\$18.64	3	Postsecondary nondegree award	None	None		893	586

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29-2041	Emergency Medical Technicians and Paramedics	3,571	4,409	837	23.5%	\$13.23	3	Postsecondary nondegree award	None	None		324	105
15-1151	Computer User Support Specialists	7,899	8,244	360	4.4%	\$19.69	2	Some college, no degree	None	None		621	896
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	6,409	6,936	404	8.2%	\$29.91	1	High school diploma or equivalent	Less than 5 years	None	Certificate Available	609	440
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	9,396	10,572	1,152	12.5%	\$28.94	1	High school diploma or equivalent	5 years or more	None	Certificate Available	1,072	190
53-1031	First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators	2,972	3,230	230	8.7%	\$26.03	1	High school diploma or equivalent	Less than 5 years	None	Certificate Available	340	828
51-1011	First-Line Supervisors of Production and Operating Workers	8,589	8,382	177	-2.4%	\$25.56	1	High school diploma or equivalent	Less than 5 years	None	Certificate Available	831	604
49-9051	Electrical Power-Line Installers and Repairers	2,175	2,498	312	14.9%	\$24.81	1	High school diploma or equivalent	None	Long-term on-the-job training	Certificate Available	218	24
49-9041	Industrial Machinery Mechanics	4,691	5,528	959	17.8%	\$23.66	1	High school diploma or equivalent	None	Long-term on-the-job training	Certificate Available	526	197
47-2111	Electricians	6,658	7,631	995	14.6%	\$23.47	1	High school diploma or equivalent	None	Apprenticeship	Certificate Available	887	193
47-2152	Plumbers, Pipefitters, and Steamfitters	6,439	7,299	818	13.4%	\$22.23	1	High school diploma or equivalent	None	Apprenticeship	Certificate Available	795	87
47-4011	Construction and Building Inspectors	1,688	1,904	189	12.8%	\$21.81	1	High school diploma or equivalent	5 years or more	Moderate-term on-the-job training		211	37
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	1,915	2,109	149	10.1%	\$20.90	1	High school diploma or equivalent	None	Long-term on-the-job training	Certificate Available	207	50
51-4041	Machinists	6,066	5,653	250	-6.8%	\$20.07	1	High school diploma or equivalent	None	Long-term on-the-job training	Certificate Available	596	224
33-3051	Police and Sheriff's Patrol Officers	7,866	9,314	1,386	18.4%	\$19.77	1	High school diploma or equivalent	None	Moderate-term on-the-job training	Certificate Available	687	38
49-9043	Maintenance Workers, Machinery	2,777	2,956	211	6.4%	\$19.64	1	High school diploma or equivalent	None	Long-term on-the-job training	Certificate Available	309	0
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	2,847	3,254	393	14.3%	\$19.16	1	High school diploma or equivalent	None	Long-term on-the-job training	Certificate Available	309	484
51-4121	Welders, Cutters, Solderers, and Brazers	9,334	9,583	329	2.7%	\$19.07	1	High school diploma or equivalent	None	Moderate-term on-the-job training	Certificate Available	1,045	281
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	5,881	5,261	257	-10.5%	\$18.07	1	High school diploma or equivalent	None	Moderate-term on-the-job training	Certificate Available	638	219
49-3021	Automotive Body and Related Repairers	1,672	1,830	157	9.4%	\$18.06	1	High school diploma or equivalent	None	Long-term on-the-job training	Certificate Available	182	30
47-2073	Operating Engineers and Other Construction Equipment Operators	6,184	7,102	900	14.8%	\$17.95	1	High school diploma or equivalent	None	Moderate-term on-the-job training	Certificate Available	815	65
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	3,197	3,083	309	-3.6%	\$17.69	1	High school diploma or equivalent	None	Moderate-term on-the-job training	Certificate Available	322	85
47-2031	Carpenters	5,070	5,533	468	9.1%	\$17.42	1	High school diploma or equivalent	None	Apprenticeship	Certificate Available	526	78
51-8031	Water and Wastewater Treatment Plant and System Operators	2,059	2,372	314	15.2%	\$15.38	1	High school diploma or equivalent	None	Long-term on-the-job training		215	36
53-3033	Light Truck or Delivery Services Drivers	9,111	9,687	592	6.3%	\$14.75	1	High school diploma or equivalent	None	Short-term on-the-job training	Certificate Available	1,051	2,263
29-2052	Pharmacy Technicians	5,248	5,646	319	7.6%	\$13.98	1	High school diploma or equivalent	None	Moderate-term on-the-job training	Certificate Available	462	367
29-2081	Opticians, Dispensing	853	1,074	221	25.9%	\$13.71	1	High school diploma or equivalent	None	Long-term on-the-job training		90	6
53-3021	Bus Drivers, Transit and Intercity	1,074	1,245	170	15.9%	\$13.05	1	High school diploma or equivalent	None	Moderate-term on-the-job training	Certificate Available	157	36
47-5012	Rotary Drill Operators, Oil and Gas	1,989	2,114	125	6.3%	\$25.29	-	No formal educational credential	None	Moderate-term on-the-job training		268	21
47-5011	Derrick Operators, Oil and Gas	1,153	1,254	101	8.8%	\$23.17	-	No formal educational credential	None	Short-term on-the-job training	Certificate Available	158	0
47-5013	Service Unit Operators, Oil, Gas, and Mining	3,281	3,432	151	4.6%	\$20.54	-	No formal educational credential	None	Moderate-term on-the-job training		437	136