

October 2017

Northeast Technology Center Highest Ranked Occupations Report



Providing Valid and Reliable Data

Information
Management
Division

Parameters

Regions

Code	Description
40035	Craig County, OK
40041	Delaware County, OK
40097	Mayes County, OK
40115	Ottawa County, OK
40131	Rogers County, OK
40143	Tulsa County, OK

Education Levels

Description
Less than high school
High school diploma or equivalent
Some college, no degree
Postsecondary non-degree award
Associate's degree

Timeframe

2017 - 2027

Datarun

2017.3 – QCEW Employees, Non-QCEW Employees, and Self-Employed

Largest Occupations

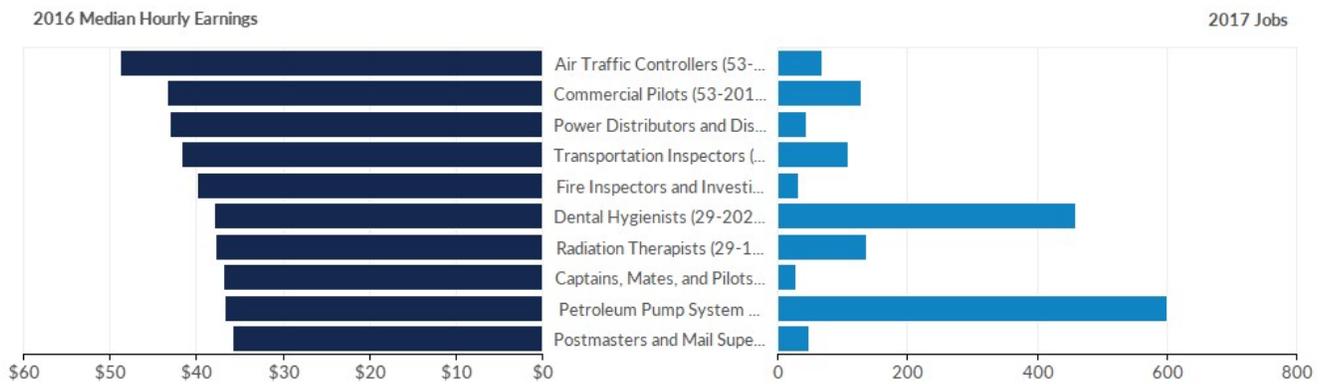


Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Median Hourly Earnings
Retail Salespersons	14,612	15,811	1,199	8%	\$10.65
Cashiers	10,796	12,129	1,333	12%	\$9.71
Customer Service Representatives	9,669	9,933	263	3%	\$14.56
Office Clerks, General	8,424	8,699	275	3%	\$12.84
Combined Food Preparation and Serving Workers, Including Fast Food	8,214	9,613	1,399	17%	\$8.85
Laborers and Freight, Stock, and Material Movers, Hand	7,851	8,056	205	3%	\$13.32
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	7,641	7,849	208	3%	\$14.93
Waiters and Waitresses	7,426	7,555	129	2%	\$8.85
Bookkeeping, Accounting, and Auditing Clerks	6,009	5,531	-478	-8%	\$18.39
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	5,853	6,210	357	6%	\$10.38
First-Line Supervisors of Office and Administrative Support Workers	5,638	5,810	172	3%	\$23.44
Stock Clerks and Order Fillers	5,627	6,147	521	9%	\$11.45
Heavy and Tractor-Trailer Truck Drivers	5,623	6,249	627	11%	\$18.71
First-Line Supervisors of Retail Sales Workers	5,154	5,477	323	6%	\$15.69

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Median Hourly Earnings
Maintenance and Repair Workers, General	4,819	5,133	314	7%	\$16.54
Team Assemblers	4,802	4,692	-110	-2%	\$15.30
First-Line Supervisors of Food Preparation and Serving Workers	4,187	4,627	440	11%	\$11.34
Maids and Housekeeping Cleaners	4,155	4,471	316	8%	\$8.94
Cooks, Fast Food	4,092	3,710	-381	-9%	\$8.88
Construction Laborers	3,663	4,134	471	13%	\$13.65
Cooks, Restaurant	3,637	4,007	370	10%	\$9.97
Welders, Cutters, Solderers, and Brazers	3,578	3,723	145	4%	\$21.10
Security Guards	3,556	3,807	252	7%	\$12.43
Nursing Assistants	3,516	4,128	611	17%	\$11.59
Personal Care Aides	3,472	3,966	494	14%	\$9.28
Teacher Assistants	3,466	3,658	191	6%	\$9.41
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	3,361	3,895	533	16%	\$23.67
Landscaping and Groundskeeping Workers	3,361	3,710	349	10%	\$10.03
Medical Assistants	3,261	3,712	450	14%	\$14.60
Home Health Aides	3,179	3,365	186	6%	\$11.53
Childcare Workers	3,153	3,046	-106	-3%	\$8.31
Food Preparation Workers	2,875	3,167	292	10%	\$9.57
First-Line Supervisors of Production and Operating Workers	2,873	2,828	-45	-2%	\$26.57
Receptionists and Information Clerks	2,818	3,102	285	10%	\$13.31
Telemarketers	2,695	2,303	-392	-15%	\$10.87
Light Truck or Delivery Services Drivers	2,652	2,803	152	6%	\$14.91
Medical Secretaries	2,627	2,965	338	13%	\$14.78

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Median Hourly Earnings
Carpenters	2,554	2,564	10	0%	\$14.56
Sales Representatives, Services, All Other	2,527	2,630	103	4%	\$23.35
Aircraft Mechanics and Service Technicians	2,452	1,596	-857	-35%	\$33.11
Hairdressers, Hairstylists, and Cosmetologists	2,410	2,610	200	8%	\$11.61
Automotive Service Technicians and Mechanics	2,383	2,376	-8	0%	\$15.69
First-Line Supervisors of Construction Trades and Extraction Workers	2,365	2,448	83	4%	\$28.57
Licensed Practical and Licensed Vocational Nurses	2,344	2,602	257	11%	\$19.64
Industrial Truck and Tractor Operators	2,333	2,480	147	6%	\$15.02
Machinists	2,289	2,317	28	1%	\$20.40
Executive Secretaries and Executive Administrative Assistants	2,236	2,057	-179	-8%	\$23.14
Computer User Support Specialists	2,157	2,195	38	2%	\$21.86
Cooks, Institution and Cafeteria	2,113	2,202	89	4%	\$10.12
Insurance Sales Agents	1,919	2,016	98	5%	\$21.21

Highest Paying Occupations

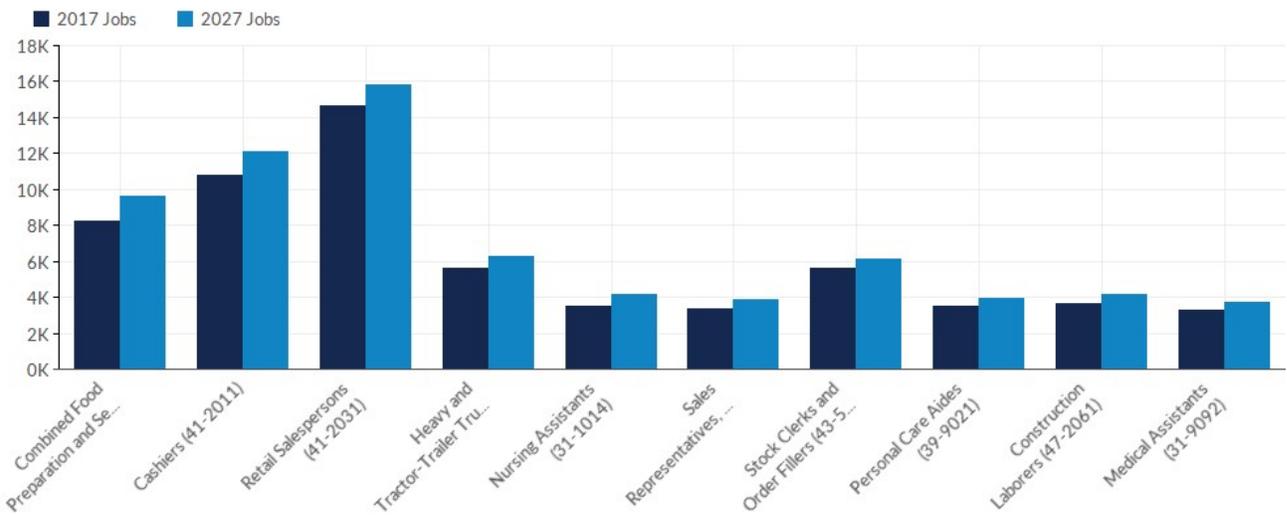


Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Earnings Per Worker
Air Traffic Controllers	68	60	-8	-12%	\$48.83
Commercial Pilots	128	134	6	5%	\$43.35
Power Distributors and Dispatchers	44	42	-2	-5%	\$43.01
Transportation Inspectors	108	95	-13	-12%	\$41.71
Fire Inspectors and Investigators	32	36	4	13%	\$39.90
Dental Hygienists	459	551	92	20%	\$37.87
Radiation Therapists	136	144	8	6%	\$37.74
Captains, Mates, and Pilots of Water Vessels	27	31	4	15%	\$36.90
Petroleum Pump System Operators, Refinery Operators, and Gaugers	599	583	-16	-3%	\$36.67
Postmasters and Mail Superintendents	48	38	-10	-21%	\$35.89
Transportation, Storage, and Distribution Managers	413	414	1	0%	\$35.63
Media and Communication Equipment Workers, All Other	22	21	-1	-5%	\$34.51
Engineering Technicians, Except Drafters, All Other	232	229	-3	-1%	\$34.49
Elevator Installers and Repairers	26	27	1	4%	\$34.22
Power Plant Operators	91	97	6	7%	\$34.20
Electrical and Electronics Repairers, Powerhouse, and Substation Equipment	77	78	1	1%	\$34.10

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Earnings Per Worker
Substation, and Relay					
Computer Network Support Specialists	920	874	-46	-5%	\$33.74
Aerospace Engineering and Operations Technicians	60	59	-1	-2%	\$33.63
Aircraft Mechanics and Service Technicians	2,452	1,596	-856	-35%	\$33.11
First-Line Supervisors of Police and Detectives	321	351	30	9%	\$32.86
Avionics Technicians	351	274	-77	-22%	\$32.85
Funeral Service Managers	55	52	-3	-5%	\$32.83
Diagnostic Medical Sonographers	210	259	49	23%	\$32.01
Signal and Track Switch Repairers	22	27	5	23%	\$31.70
Boilermakers	104	119	15	14%	\$31.61
Life, Physical, and Social Science Technicians, All Other	121	126	5	4%	\$31.46
Detectives and Criminal Investigators	134	147	13	10%	\$31.27
First-Line Supervisors of Fire Fighting and Prevention Workers	210	233	23	11%	\$30.42
First-Line Supervisors of Mechanics, Installers, and Repairers	1,841	1,869	28	2%	\$30.38
Chemical Plant and System Operators	118	124	6	5%	\$29.61
Rotary Drill Operators, Oil and Gas	197	178	-19	-10%	\$29.28
Plant and System Operators, All Other	48	52	4	8%	\$29.28
Magnetic Resonance Imaging Technologists	85	102	17	20%	\$29.17
Nuclear Medicine Technologists	151	148	-3	-2%	\$29.10
First-Line Supervisors of Construction Trades and Extraction Workers	2,365	2,448	83	4%	\$28.57
Geological and Petroleum Technicians	275	262	-13	-5%	\$28.49
Electrical and Electronics Drafters	110	113	3	3%	\$28.26

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Earnings Per Worker
Occupational Therapy Assistants	121	165	44	36%	\$28.15
Surveying and Mapping Technicians	207	196	-11	-5%	\$28.05
Derrick Operators, Oil and Gas	67	62	-5	-7%	\$27.94
Postal Service Mail Sorters, Processors, and Processing Machine Operators	279	204	-75	-27%	\$27.80
Physical Therapist Assistants	324	418	94	29%	\$27.66
Rail Car Repairers	48	60	12	25%	\$27.50
Postal Service Mail Carriers	912	728	-184	-20%	\$27.45
Mechanical Engineering Technicians	215	217	2	1%	\$27.42
Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic	112	129	17	15%	\$27.28
Gas Compressor and Gas Pumping Station Operators	20	26	6	30%	\$27.23
Mechanical Drafters	495	468	-27	-5%	\$26.93
Industrial Engineering Technicians	151	149	-2	-1%	\$26.87
Model Makers, Metal and Plastic	31	30	-1	-3%	\$26.77

Fastest Growing Occupations

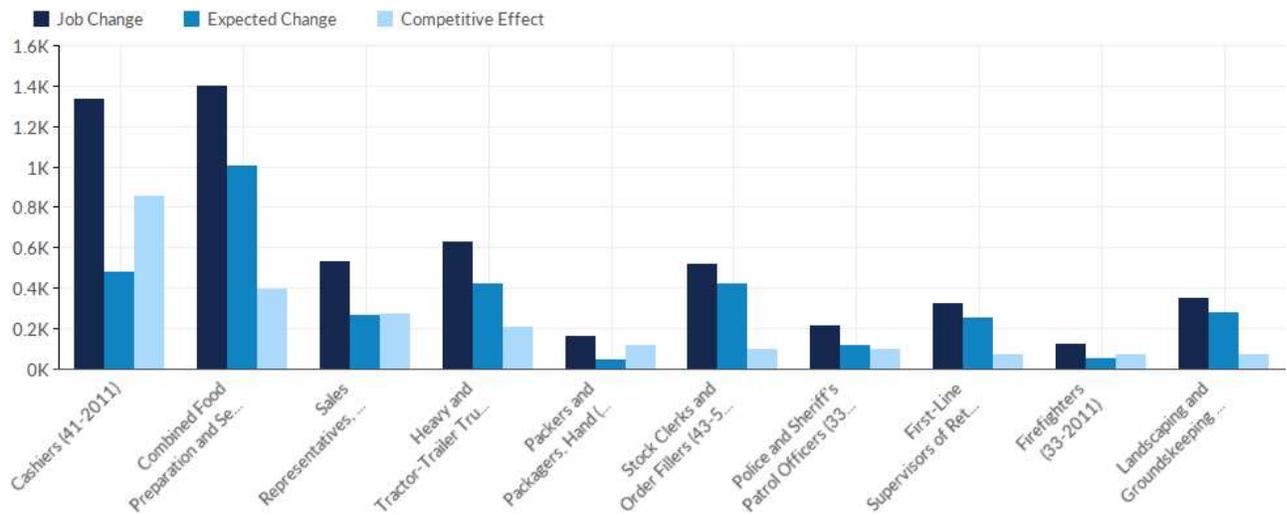


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Cashiers	10,796	12,129	1,333	12%	\$9.71
Retail Salespersons	14,612	15,811	1,199	8%	\$10.65
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Nursing Assistants	3,516	4,128	611	17%	\$11.59
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	3,361	3,895	533	16%	\$23.67
Stock Clerks and Order Fillers	5,627	6,147	521	9%	\$11.45
Personal Care Aides	3,472	3,966	494	14%	\$9.28
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Medical Secretaries	2,627	2,965	338	13%	\$14.78
First-Line Supervisors of Retail Sales Workers	5,154	5,477	323	6%	\$15.69
Maids and Housekeeping Cleaners	4,155	4,471	316	8%	\$8.94
Maintenance and Repair Workers, General	4,819	5,133	314	7%	\$16.54
Food Preparation Workers	2,875	3,167	292	10%	\$9.57
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Office Clerks, General	8,424	8,699	275	3%	\$12.84
Customer Service Representatives	9,669	9,933	263	3%	\$14.56
Licensed Practical and Licensed Vocational Nurses	2,344	2,602	257	11%	\$19.64
Security Guards	3,556	3,807	252	7%	\$12.43
Plumbers, Pipefitters, and Steamfitters	1,648	1,883	236	14%	\$23.61
Electricians	1,895	2,117	222	12%	\$23.76
Police and Sheriff's Patrol Officers	1,688	1,903	214	13%	\$23.43
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	7,641	7,849	208	3%	\$14.93
Laborers and Freight, Stock, and Material Movers, Hand	7,851	8,056	205	3%	\$13.32
Bartenders	1,645	1,850	204	12%	\$9.00
Hairdressers, Hairstylists, and Cosmetologists	2,410	2,610	200	8%	\$11.61
Emergency Medical Technicians and Paramedics	830	1,029	199	24%	\$12.88
Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	1,794	1,990	196	11%	\$9.19
Teacher Assistants	3,466	3,658	191	6%	\$9.41

Occupation	2017 Jobs	2027 Jobs	Change in Jobs (2017-2027)	% Change	2016 Median Hourly Earnings
Home Health Aides	3,179	3,365	186	6%	\$11.53
Industrial Machinery Mechanics	995	1,179	184	18%	\$24.10
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	1,110	1,293	183	17%	\$19.77
Dental Assistants	1,099	1,279	180	16%	\$17.01
First-Line Supervisors of Office and Administrative Support Workers	5,638	5,810	172	3%	\$23.44
Cement Masons and Concrete Finishers	1,053	1,216	164	16%	\$17.41
Packers and Packagers, Hand	681	841	161	24%	\$11.12
Light Truck or Delivery Services Drivers	2,652	2,803	152	6%	\$14.91
Industrial Truck and Tractor Operators	2,333	2,480	147	6%	\$15.02
Welders, Cutters, Solderers, and Brazers	3,578	3,723	145	4%	\$21.10
Self-Enrichment Education Teachers	877	1,020	143	16%	\$16.20
Operating Engineers and Other Construction Equipment Operators	1,152	1,288	135	12%	\$18.01
Waiters and Waitresses	7,426	7,555	129	2%	\$8.85
Billing and Posting Clerks	1,334	1,462	127	10%	\$16.07
Recreation Workers	488	614	126	26%	\$11.88
Food Servers, Nonrestaurant	940	1,066	126	13%	\$8.93

Most Competitive Occupations

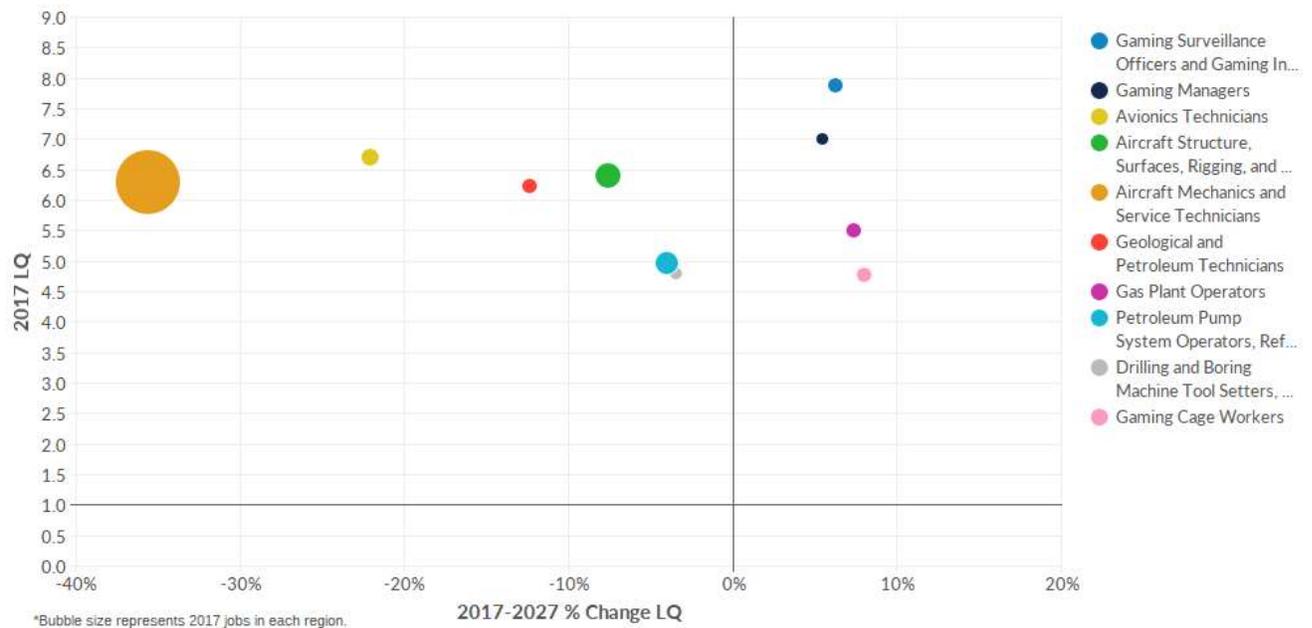


Occupation	Job Change	Occ Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect
Cashiers	1,333	-427	908	481	852
Combined Food Preparation and Serving Workers, Including Fast Food	1,399	312	691	1,003	396
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	533	-19	283	264	270
Heavy and Tractor-Trailer Truck Drivers	627	-55	473	418	208
Packers and Packagers, Hand	161	-13	57	44	117
Stock Clerks and Order Fillers	521	-52	473	421	100
Police and Sheriff's Patrol Officers	214	-25	142	117	97
First-Line Supervisors of Retail Sales Workers	323	-183	433	250	73
Firefighters	121	-11	63	52	69
Landscaping and Groundskeeping Workers	349	-2	283	281	69
Nursing Assistants	611	247	296	543	68
Recreation Workers	126	18	41	59	67
Social and Human Service Assistants	116	18	34	52	64
Plumbers, Pipefitters, and	236	42	139	181	55

Occupation	Job Change	Occ Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect
Steamfitters					
Reservation and Transportation Ticket Agents and Travel Clerks	62	-15	24	9	53
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	183	42	93	135	48
Amusement and Recreation Attendants	98	9	42	51	47
Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	196	3	151	154	41
Cement Masons and Concrete Finishers	164	37	89	126	38
Weighers, Measurers, Checkers, and Samplers, Recordkeeping	44	-9	19	10	35
Butchers and Meat Cutters	71	-5	44	39	32
Highway Maintenance Workers	53	-10	32	22	31
Ushers, Lobby Attendants, and Ticket Takers	68	3	35	38	30
Crossing Guards	37	0	9	9	27
Court, Municipal, and License Clerks	40	-7	21	14	26
Water and Wastewater Treatment Plant and System Operators	52	-3	29	26	25
Food Preparation Workers	292	25	242	267	24
Gaming Change Persons and Booth Cashiers	27	-21	25	4	24
Eligibility Interviewers, Government Programs	25	-3	5	2	22
Emergency Medical Technicians and Paramedics	199	107	70	177	22
Railroad Conductors and Yardmasters	27	-5	10	5	22
Gaming Dealers	51	-4	33	29	22
Bus Drivers, Transit and Intercity	34	0	12	12	22
Mixing and Blending Machine	27	-21	26	5	21

Occupation	Job Change	Occ Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect
Setters, Operators, and Tenders					
Locomotive Engineers	26	-4	9	5	21
Operating Engineers and Other Construction Equipment Operators	135	18	97	115	21
Gaming Supervisors	28	-8	16	8	21
Security and Fire Alarm Systems Installers	85	22	42	64	20
Construction Laborers	471	143	308	451	20
Physical Therapist Aides	48	20	8	28	20
Tellers	-45	-192	127	-65	20
Phlebotomists	118	60	39	99	19
Police, Fire, and Ambulance Dispatchers	20	-19	21	2	18
Bartenders	204	48	138	186	18
Sheet Metal Workers	58	0	41	41	17
Automotive and Watercraft Service Attendants	37	6	15	21	16
Coin, Vending, and Amusement Machine Servicers and Repairers	4	-31	19	-12	16
Brickmasons and Blockmasons	34	2	15	17	16
Meat, Poultry, and Fish Cutters and Trimmers	17	-4	6	2	16
Library Assistants, Clerical	32	0	16	16	15

Highest Occupation Location Quotient



Occupation	2017 Jobs	2027 Jobs	% Change	2017 LQ	2027 LQ	% Change LQ	2016 Median Hourly Earnings
Gaming Surveillance Officers and Gaming Investigators	256	265	3%	7.88	8.38	6%	\$11.96
Gaming Managers	92	99	8%	7.01	7.39	5%	\$26.41
Avionics Technicians	351	274	-22%	6.72	5.23	-22%	\$32.85
Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	770	688	-11%	6.41	5.93	-8%	\$22.90
Aircraft Mechanics and Service Technicians	2,452	1,596	-35%	6.31	4.06	-36%	\$33.11
Geological and Petroleum Technicians	275	262	-5%	6.24	5.47	-12%	\$28.49

Occupation	2017 Jobs	2027 Jobs	% Change	2017 LQ	2027 LQ	% Change LQ	2016 Median Hourly Earnings
Gas Plant Operators	269	283	5%	5.50	5.91	7%	\$26.27
Petroleum Pump System Operators, Refinery Operators, and Gaugers	599	583	-3%	4.97	4.77	-4%	\$36.67
Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	171	142	-17%	4.80	4.63	-3%	\$20.43
Gaming Cage Workers	277	316	14%	4.78	5.16	8%	\$10.48
Rock Splitters, Quarry	46	55	20%	4.30	4.99	16%	\$15.58
Manufactured Building and Mobile Home Installers	43	34	-21%	4.30	4.40	2%	\$14.79
Gaming Change Persons and Booth Cashiers	293	320	9%	4.25	4.74	12%	\$10.54
Wellhead Pumpers	146	146	0%	4.20	3.84	-9%	\$26.43
Telemarketers	2,695	2,303	-15%	4.14	3.61	-13%	\$10.87
Rotary Drill Operators, Oil and Gas	197	178	-10%	4.13	3.41	-17%	\$29.28
Mechanical Door Repairers	236	245	4%	4.02	3.86	-4%	\$14.11
Tool Grinders, Filers, and Sharpeners	120	104	-13%	3.95	3.89	-2%	\$20.65
Roustabouts,	548	499	-9%	3.74	3.17	-15%	\$19.80

Occupation	2017 Jobs	2027 Jobs	% Change	2017 LQ	2027 LQ	% Change LQ	2016 Median Hourly Earnings
Oil and Gas							
Layout Workers, Metal and Plastic	88	79	-11%	3.34	3.51	5%	\$24.25
New Accounts Clerks	385	367	-5%	3.22	3.33	3%	\$16.21
Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	437	388	-11%	3.18	3.31	4%	\$20.00
Helpers-- Pipelayers, Plumbers, Pipefitters, and Steamfitters	516	572	11%	3.10	3.17	2%	\$15.15
Conveyor Operators and Tenders	267	265	-1%	3.05	3.01	-1%	\$18.88
Maintenance Workers, Machinery	834	876	5%	3.04	3.00	-1%	\$19.89
Welders, Cutters, Solderers, and Brazers	3,578	3,723	4%	3.02	3.06	2%	\$21.10
Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	744	754	1%	2.94	3.00	2%	\$16.22
Pump Operators, Except Wellhead Pumpers	108	105	-3%	2.84	2.66	-6%	\$23.01
Gaming Supervisors	188	216	15%	2.72	3.12	14%	\$16.44

Occupation	2017 Jobs	2027 Jobs	% Change	2017 LQ	2027 LQ	% Change LQ	2016 Median Hourly Earnings
Explosives Workers, Ordnance Handling Experts, and Blasters	51	51	1%	2.68	2.70	0%	\$20.36
Cooks, Fast Food	4,092	3,710	-9%	2.68	2.70	1%	\$8.88
Title Examiners, Abstractors, and Searchers	489	428	-12%	2.67	2.41	-10%	\$23.51
Service Unit Operators, Oil, Gas, and Mining	318	285	-10%	2.67	2.30	-14%	\$24.22
Pile-Driver Operators	29	30	3%	2.66	2.53	-5%	\$19.51
Foundry Mold and Coremakers	93	62	-34%	2.66	2.21	-17%	\$13.32
Radiation Therapists	136	144	6%	2.64	2.54	-4%	\$37.74
Computer-Controlled Machine Tool Operators, Metal and Plastic	1,125	1,230	9%	2.62	2.55	-3%	\$18.91
Nuclear Medicine Technologists	151	148	-2%	2.61	2.57	-1%	\$29.10
Mechanical Drafters	495	468	-5%	2.60	2.60	0%	\$26.93
Structural Metal Fabricators and Fitters	584	611	5%	2.58	2.63	2%	\$16.60
Rolling Machine Setters, Operators,	214	161	-25%	2.56	2.13	-17%	\$17.88

Occupation	2017 Jobs	2027 Jobs	% Change	2017 LQ	2027 LQ	% Change LQ	2016 Median Hourly Earnings
and Tenders, Metal and Plastic							
Tank Car, Truck, and Ship Loaders	88	95	8%	2.54	2.60	2%	\$10.02
Embalmers	26	23	-12%	2.51	2.37	-6%	\$21.05
Patternmakers, Metal and Plastic	24	19	-21%	2.48	2.38	-4%	\$19.14
Paper Goods Machine Setters, Operators, and Tenders	658	628	-4%	2.47	2.60	5%	\$22.30
Security and Fire Alarm Systems Installers	504	589	17%	2.40	2.57	7%	\$19.73
Tax Preparers	680	607	-11%	2.38	2.12	-11%	\$22.70
Electromechanical Equipment Assemblers	321	314	-2%	2.35	2.40	2%	\$17.42
Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	803	807	0%	2.33	2.37	2%	\$18.21
Credit Authorizers, Checkers, and Clerks	255	241	-6%	2.30	2.26	-2%	\$14.57

Appendix A - Data Sources and Calculations

Occupation Data

Emsi occupation employment data are based on final Emsi industry data and final Emsi staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level Emsi earnings by industry.

State Data Sources

This report uses state data from the following agencies: Oklahoma Employment Security Commission