

Occupation Overview

8 Occupations in 45 Minute Commute

P.O Box 2819
Muskogee, Oklahoma 74402

Parameters

Occupations

Code	Description
17-2011	Aerospace Engineers
17-2051	Civil Engineers
17-2112	Industrial Engineers
17-2131	Materials Engineers
17-2141	Mechanical Engineers
17-3021	Aerospace Engineering and Operations Technicians
17-3026	Industrial Engineering Technicians
17-3027	Mechanical Engineering Technicians

Regions

Code	Description
40001	Adair County, OK
40021	Cherokee County, OK
40061	Haskell County, OK
40091	McIntosh County, OK
40101	Muskogee County, OK
40111	Okmulgee County, OK
40135	Sequoyah County, OK
40143	Tulsa County, OK
40145	Wagoner County, OK

Timeframe

2013 - 2014

Datarun

2014.3 – QCEW Employees, Non-QCEW Employees, and Self-Employed

Occupation Summary for 8 Occupations

<p>2,909 Jobs (2014) 8% below National average</p>	<p>+4.2% % Change (2013-2014) Nation: +1.8%</p>	<p>\$37.72/hr Median Earnings Nation: \$37.97/hr</p>
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Growth

<p>2,792 2013 Jobs</p>	<p>2,909 2014 Jobs</p>	<p>116 Change (2013-2014)</p>	<p>4.2% % Change (2013-2014)</p>
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Occupation	2013 Jobs	2014 Jobs	Change	% Change
Materials Engineers (17-2131)	69	71	2	3%
Industrial Engineering Technicians (17-3026)	190	196	6	3%
Aerospace Engineers (17-2011)	122	127	5	4%
Civil Engineers (17-2051)	787	835	48	6%
Mechanical Engineering Technicians (17-3027)	142	148	6	4%
Industrial Engineers (17-2112)	534	556	22	4%
Mechanical Engineers (17-2141)	926	954	28	3%
Aerospace Engineering and Operations Technicians (17-3021)	22	23	1	5%

Percentile Earnings

\$30.79/hr

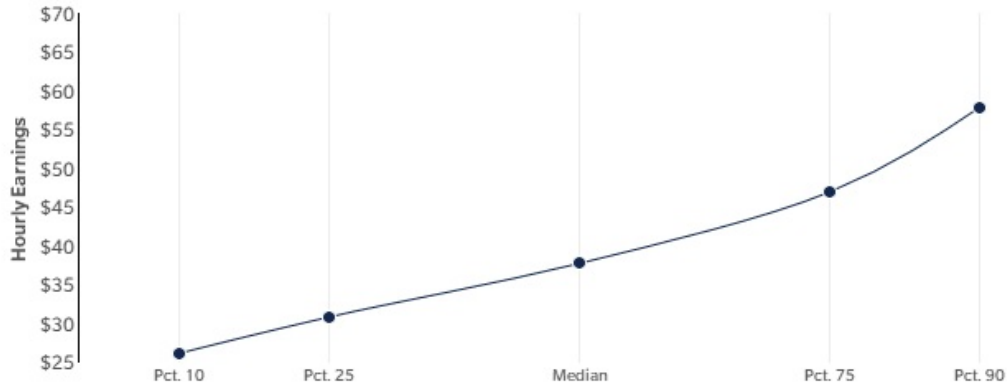
25th Percentile Earnings

\$37.72/hr

Median Earnings

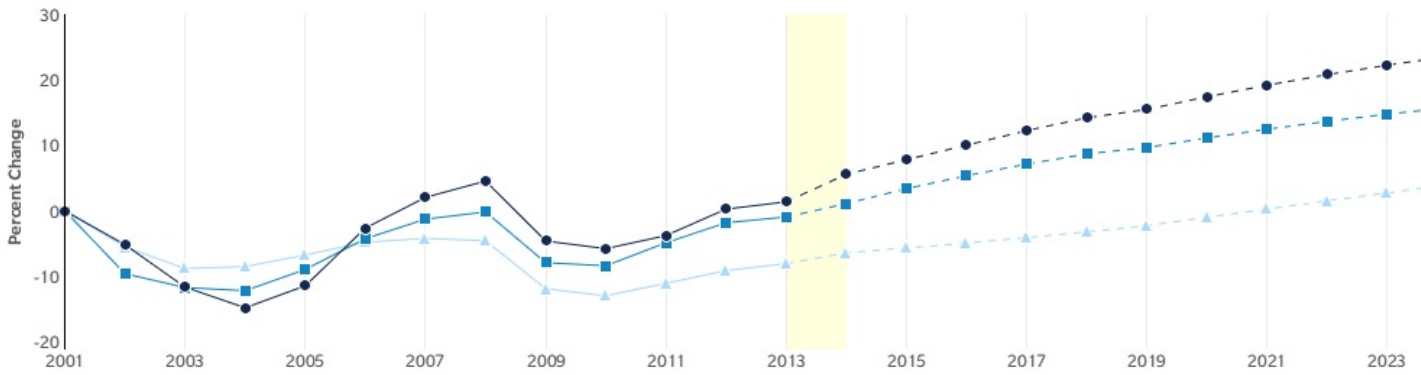
\$46.95/hr

75th Percentile Earnings



Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
Materials Engineers (17-2131)	\$27.31	\$32.49	\$38.11
Industrial Engineering Technicians (17-3026)	\$19.80	\$23.86	\$30.64
Aerospace Engineers (17-2011)	\$32.55	\$39.66	\$48.58
Civil Engineers (17-2051)	\$32.27	\$41.03	\$53.03
Mechanical Engineering Technicians (17-3027)	\$19.74	\$24.26	\$30.18
Industrial Engineers (17-2112)	\$33.37	\$39.80	\$49.24
Mechanical Engineers (17-2141)	\$32.25	\$39.05	\$47.24
Aerospace Engineering and Operations Technicians (17-3021)	\$21.01	\$24.71	\$30.12

Regional Trends



Region	2013 Jobs	2014 Jobs	% Change
● Region	2,792	2,909	4.2%
■ State	9,467	9,661	2.1%
▲ Nation	996,140	1,014,226	1.8%

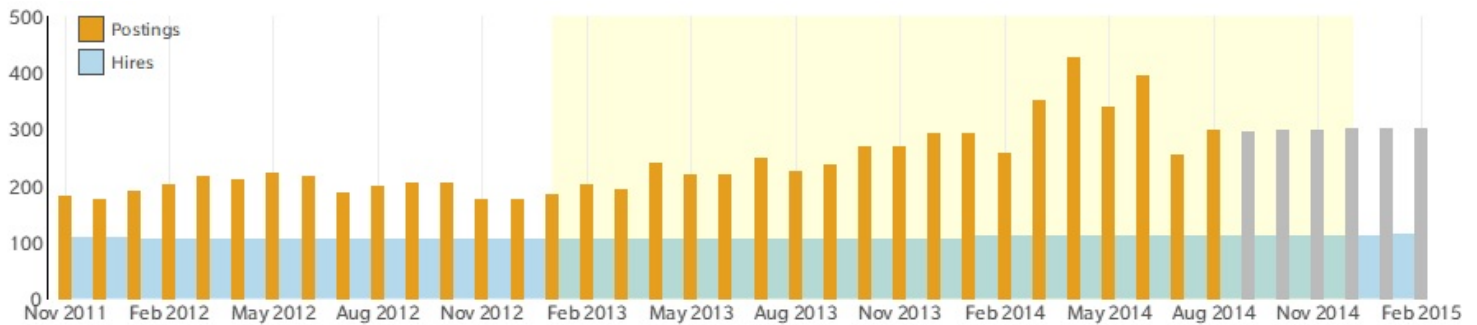
Postings vs. Hires

275

Avg. Monthly Postings (Jan 2013 - Dec 2014)

112

Avg. Monthly Hires (Jan 2013 - Dec 2014)



Occupation	Avg Monthly Postings (Jan 2013 - Dec 2014)	Avg Monthly Hires (Jan 2013 - Dec 2014)
Industrial Engineers	113	19
Mechanical Engineers	82	36
Civil Engineers	50	39
Aerospace Engineers	12	4
Industrial Engineering Technicians	12	6
Mechanical Engineering Technicians	4	6
Materials Engineers	4	2
Aerospace Engineering and Operations Technicians	1	1

Occupation Gender Breakdown



Gender	2014 Jobs	2014 Percent
Male	2,142	73.6%
Female	767	26.4%

Occupation Age Breakdown



Age Group	2014 Jobs	2014 Percent
14-18	12	0.4%
19-24	178	6.1%
25-34	635	21.8%
35-44	659	22.7%
45-54	728	25.0%
55-64	550	18.9%
65+	146	5.0%

Occupational Programs

9 Programs (2013)	353 Completions (2013)	199 Openings (2013)
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Program	Completions (2013)
Aeronautical/Aerospace Engineering Technology/Technician	243
Engineering Technology, General	57
Mechanical Engineering	50
Industrial Production Technologies/Technicians, Other	2
Engineering/Industrial Management	1

Industries Employing these Occupations

Industry	Occupation Group Jobs in Industry (2014)	% of Occupation Group in Industry (2014)	% of Total Jobs in Industry (2014)
Engineering Services	717	24.6%	20.3%
Aircraft Manufacturing	254	8.7%	8.2%
Oil and Gas Field Machinery and Equipment Manufacturing	96	3.3%	3.6%
Local Government, Excluding Education and Hospitals	82	2.8%	0.4%
Other Aircraft Parts and Auxiliary Equipment Manufacturing	78	2.7%	8.2%

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

Institution Data

The institution data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

Completers Data

The completers data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

Staffing Patterns Data

The staffing pattern data in this report are compiled from several sources using a specialized process. For QCEW and Non-QCEW Employees classes of worker, sources include Occupational Employment Statistics, the National Industry-Occupation Employment Matrix, and the American Community Survey. For the Self-Employed and Extended Proprietors classes of worker, the primary source is the American Community Survey, with a small amount of information from Occupational Employment Statistics.

Industry Data

EMSI industry data have various sources depending on the class of worker. (1) For QCEW Employees, EMSI primarily uses the QCEW (Quarterly Census of Employment and Wages), with supplemental estimates from County Business Patterns and Current Employment Statistics. (2) Non-QCEW employees data are based on a number of sources including QCEW, Current Employment Statistics, County Business Patterns, BEA State and Local Personal Income reports, the National Industry-Occupation Employment Matrix (NIOEM), the American Community Survey, and Railroad Retirement Board statistics. (3) Self-Employed and Extended Proprietor classes of worker data are primarily based on the American Community Survey, Nonemployer Statistics, and BEA State and Local Personal Income Reports. Projections for QCEW and Non-QCEW Employees are informed by NIOEM and long-term industry projections published by individual states.