

Oklahoma Department of Career and Technology Education



Information Commons

October 2016

Kiamichi Technology Centers

Life, Physical, and Social Science Occupations



Parameters

Occupations

Code	Description
19-0000	Life, Physical, and Social Science Occupations

Regions

14 items selected. See Appendix A for details.

Timeframe

2015 - 2020

Datarun

2016.3 – QCEW Employees, Non-QCEW Employees, and Self-Employed

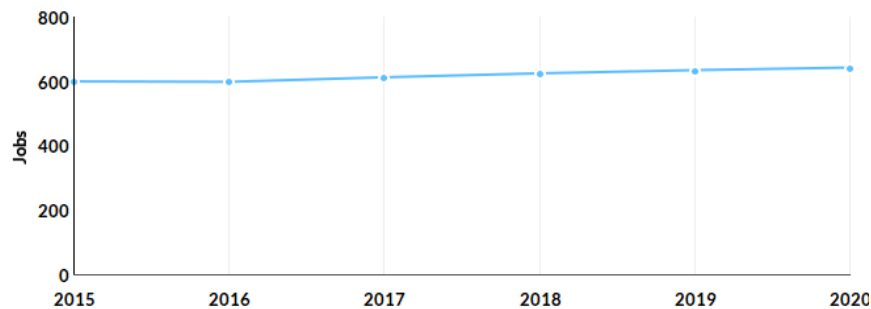
Life, Physical, and Social Science Occupations in Kiamichi Technology Center

Occupation Summary for Life, Physical, and Social Science Occupations

597 Jobs (2016) 25% below National average	7.2% % Change (2015-2020) Nation: 6.8%	\$26.12/hr Median Hourly Earnings Nation: \$32.21/hr
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Growth

599 2015 Jobs	642 2020 Jobs	43 Change (2015-2020)	7.2% % Change (2015-2020)
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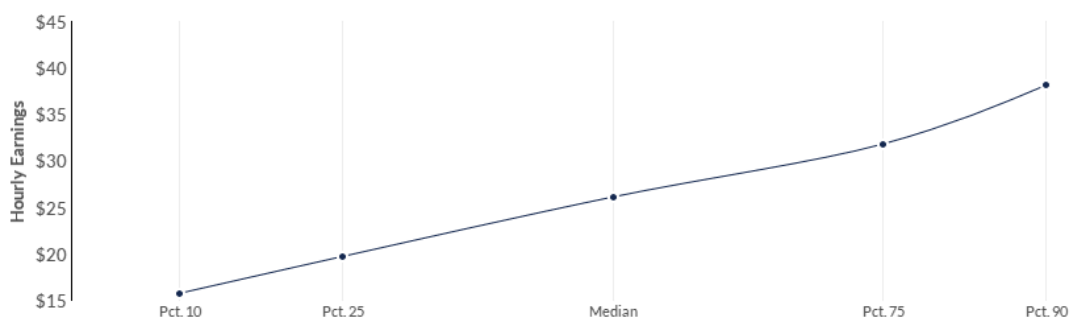
Occupation	2015 Jobs	2020 Jobs	Change	% Change
Animal Scientists (19-1011)	4	4	0	0%
Food Scientists and Technologists (19-1012)	9	9	0	0%
Soil and Plant Scientists (19-1013)	4	4	0	0%
Biochemists and Biophysicists (19-1021)	3	3	0	0%
Microbiologists (19-1022)	2	3	1	50%
Zoologists and Wildlife Biologists (19-1023)	17	16	-1	-6%
Biological Scientists, All Other (19-1029)	27	28	1	4%
Conservation Scientists (19-1031)	29	29	0	0%
Foresters (19-1032)	11	10	-1	-9%
Epidemiologists (19-1041)	5	6	1	20%

Occupation	2015 Jobs	2020 Jobs	Change	% Change
Medical Scientists, Except Epidemiologists (19-1042)	6	8	2	33%
Life Scientists, All Other (19-1099)	2	2	0	0%
Astronomers (19-2011)	0	0	0	0%
Physicists (19-2012)	4	4	0	0%
Atmospheric and Space Scientists (19-2021)	2	3	1	50%
Chemists (19-2031)	13	14	1	8%
Materials Scientists (19-2032)	1	2	1	100%
Environmental Scientists and Specialists, Including Health (19-2041)	26	29	3	12%
Geoscientists, Except Hydrologists and Geographers (19-2042)	30	29	-1	-3%
Hydrologists (19-2043)	4	4	0	0%
Physical Scientists, All Other (19-2099)	14	14	0	0%
Economists (19-3011)	9	10	1	11%
Survey Researchers (19-3022)	3	3	0	0%
Clinical, Counseling, and School Psychologists (19-3031)	110	134	24	22%
Industrial-Organizational Psychologists (19-3032)	0	0	0	0%
Psychologists, All Other (19-3039)	13	14	1	8%
Sociologists (19-3041)	1	1	0	0%
Urban and Regional Planners (19-3051)	15	18	3	20%
Anthropologists and Archeologists (19-3091)	2	2	0	0%
Geographers (19-3092)	1	1	0	0%
Historians (19-3093)	5	5	0	0%
Political Scientists (19-3094)	2	2	0	0%
Social Scientists and	17	18	1	6%

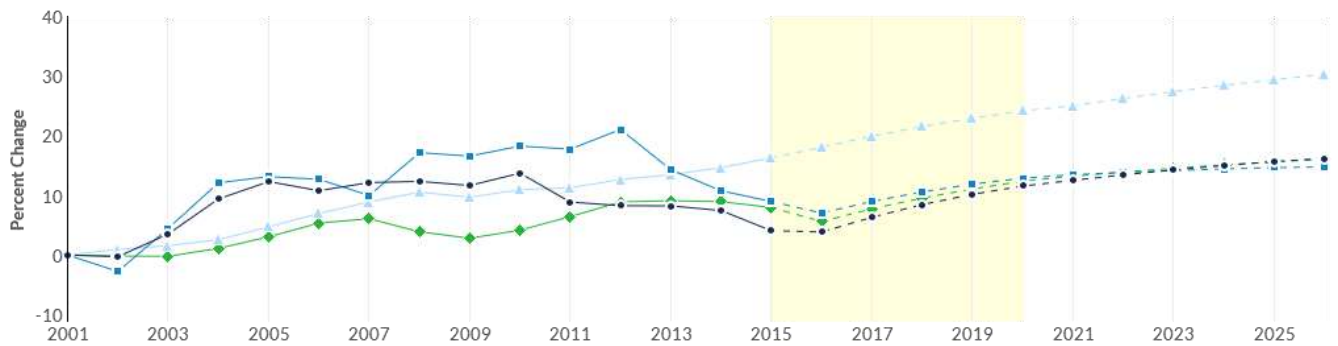
Occupation	2015 Jobs	2020 Jobs	Change	% Change
Related Workers, All Other (19-3099)				
Agricultural and Food Science Technicians (19-4011)	13	12	-1	-8%
Biological Technicians (19-4021)	23	23	0	0%
Chemical Technicians (19-4031)	17	18	1	6%
Geological and Petroleum Technicians (19-4041)	33	34	1	3%
Nuclear Technicians (19-4051)	0	0	0	0%
Social Science Research Assistants (19-4061)	6	6	0	0%
Environmental Science and Protection Technicians, Including Health (19-4091)	44	44	0	0%
Forensic Science Technicians (19-4092)	17	20	3	18%
Forest and Conservation Technicians (19-4093)	15	16	1	7%
Life, Physical, and Social Science Technicians, All Other (19-4099)	36	37	1	3%

Percentile Earnings for Life, Physical, and Social Science Occupations (19-0000)

\$19.70/hr 25th Percentile Earnings	\$26.12/hr Median Earnings	\$31.83/hr 75th Percentile Earnings
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Regional Trends



	Region	2015 Jobs	2020 Jobs	Change	% Change
●	Region	599	642	43	7.2%
●	Kiamichi Technology Center - McAlester	251	260	9	3.6%
●	United States	1,246,969	1,331,443	84,474	6.8%
●	Oklahoma	12,263	12,764	501	4.1%

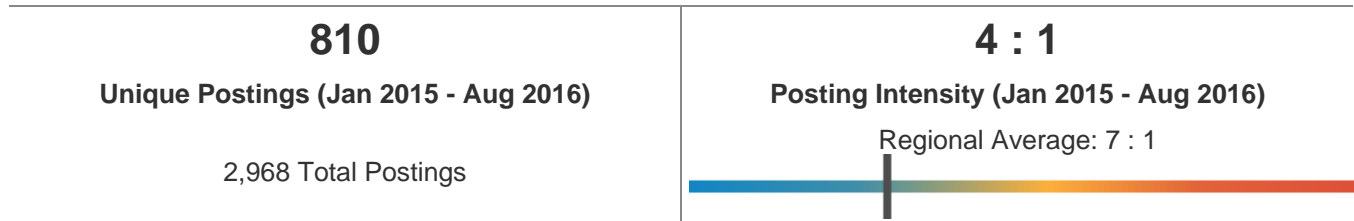
Regional Breakdown



County	2020 Jobs
Pittsburg County, OK	193
Bryan County, OK	100

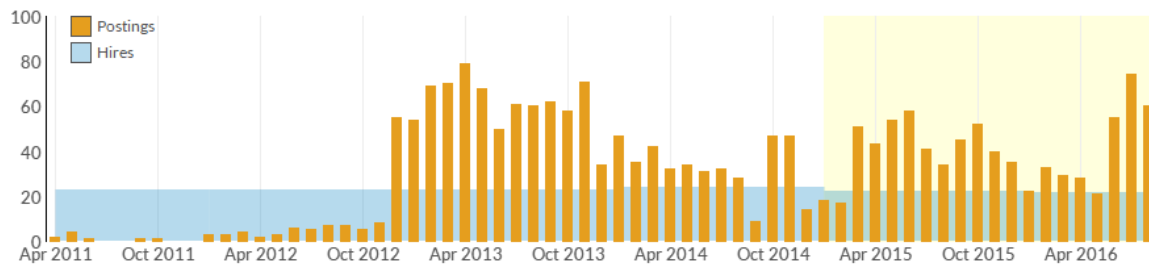
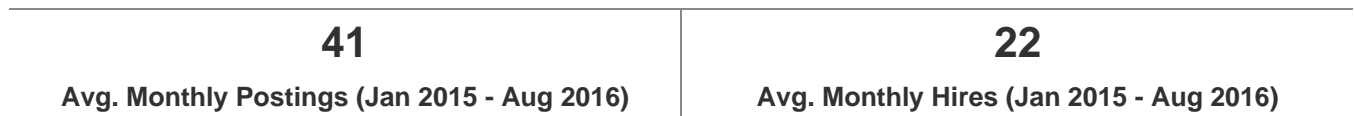
County	2020 Jobs
Le Flore County, OK	84
McCurtain County, OK	60
Choctaw County, OK	31

Job Postings Summary



There were **2,968** total job postings for your selection from January 2015 to August 2016, of which **810** were unique. These numbers give us a Posting Intensity of **4-to-1**, meaning that for every 4 postings there is 1 unique job posting. This is lower than the Posting Intensity for all other occupations and companies in the region (7-to-1), indicating that they may not be trying as hard to hire for this position.

Job Postings vs. Hires



Occupation	Avg Monthly Postings (Jan 2015 - Aug 2016)	Avg Monthly Hires (Jan 2015 - Aug 2016)
Life, Physical, and Social Science Occupations	41	22

Occupation Gender Breakdown



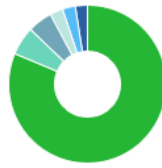
	Gender	2016 Jobs	2016 Percent
•	Males	338	56.5%
•	Females	260	43.5%

Occupation Age Breakdown



	Age	2016 Jobs	2016 Percent
•	14-18	3	0.4%
•	19-24	41	6.8%
•	25-34	151	25.3%
•	35-44	123	20.6%
•	45-54	118	19.7%
•	55-64	118	19.8%
•	65+	44	7.3%

Occupation Race/Ethnicity Breakdown



	Race/Ethnicity	2016 Jobs	2016 Percent
●	White	486	81.3%
●	American Indian or Alaska Native	35	5.8%
●	Two or More Races	30	5.1%
●	Hispanic or Latino	16	2.7%
●	Asian	16	2.6%
●	Black or African American	15	2.5%
●	Native Hawaiian or Other Pacific Islander	0	0.0%

Occupational Programs

	25 Programs (2015)	315 Completions (2015)	29 Openings (2015)
CIP Code	Program		Completions (2015)
42.9999	Psychology, Other		68
42.0101	Psychology, General		62
26.0101	Biology/Biological Sciences, General		52
45.9999	Social Sciences, Other		51
40.0501	Chemistry, General		12

Industries Employing Life, Physical, and Social Science Occupations

Industry	Occupation Jobs in Industry (2016)	% of Occupation in Industry (2016)	% of Total Jobs in Industry (2016)
Federal Government, Civilian, Excluding Postal Service	119	19.9%	6.1%
Local Government, Excluding Education and Hospitals	112	18.7%	0.9%
State Government, Excluding Education and Hospitals	71	11.9%	2.7%
Colleges, Universities, and Professional Schools (State Government)	38	6.4%	2.3%
Elementary and Secondary Schools (Local Government)	30	5.1%	0.4%

Appendix A - Regions

Code	Description
40005	Atoka County, OK
40013	Bryan County, OK
40023	Choctaw County, OK
40029	Coal County, OK
40061	Haskell County, OK
40063	Hughes County, OK
40069	Johnston County, OK
40077	Latimer County, OK
40079	Le Flore County, OK
40089	McCurtain County, OK
40091	McIntosh County, OK
40095	Marshall County, OK
40121	Pittsburg County, OK
40127	Pushmataha County, OK

Appendix B - Data Sources and Calculations

Location Quotient

Location quotient (LQ) is a way of quantifying how concentrated a particular industry, cluster, occupation, or demographic group is in a region as compared to the nation. It can reveal what makes a particular region unique in comparison to the national average.

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.

CareerBuilder/Emsi Job Postings

Job postings are collected from various sources and processed/enriched by Careerbuilder to provide information such as standardized company name, occupation, skills, and geography. Emsi performs additional filtering and processing to improve compatibility with Emsi data.

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.

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.

State Data Sources

This report uses state data from the following agencies: Arkansas Department of Workforce Services; Kansas Department of Labor, Labor Market Information Services, Kansas Wage Survey; Missouri Department of Economic Development; Oklahoma Employment Security Commission; Texas Workforce Commission