

# Oklahoma Department of Career and Technology Education

*career*tech

Information Commons

October 2016

## Kiamichi Technology Centers

### Construction and Extraction Occupations



# Parameters

## Occupations

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Code	Description
47-0000	Construction and Extraction Occupations

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## Regions

14 items selected. See Appendix A for details.

## Timeframe

2015 - 2016

## Datarun

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

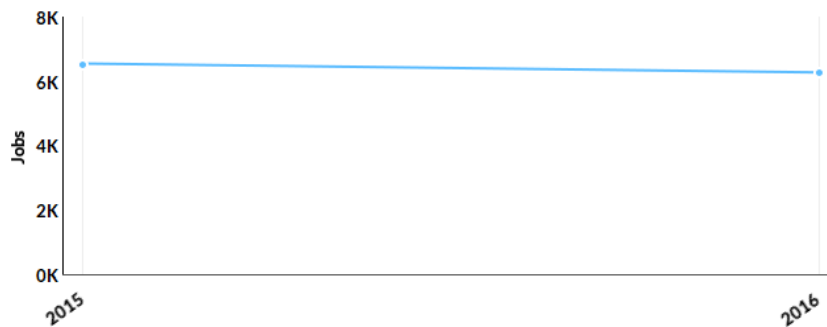
Construction and Extraction Occupations in Kiamichi Technology Center

## Occupation Summary for Construction and Extraction Occupations

<b>6,266</b> Jobs (2016) 40% above National average	<b>-4.2%</b> % Change (2015-2016) Nation: 2.3%	<b>\$16.02/hr</b> Median Hourly Earnings Nation: \$20.52/hr
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### Growth

<b>6,542</b> 2015 Jobs	<b>6,266</b> 2016 Jobs	<b>-276</b> Change (2015-2016)	<b>-4.2%</b> % Change (2015-2016)
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Occupation	2015 Jobs	2016 Jobs	Change	% Change
First-Line Supervisors of Construction Trades and Extraction Workers (47-1011)	540	518	-22	-4%
Boilermakers (47-2011)	31	30	-1	-3%
Brickmasons and Blockmasons (47-2021)	33	32	-1	-3%
Stonemasons (47-2022)	7	7	0	0%
Carpenters (47-2031)	701	689	-12	-2%
Carpet Installers (47-2041)	27	27	0	0%
Floor Layers, Except Carpet, Wood, and Hard Tiles (47-2042)	10	10	0	0%
Floor Sanders and Finishers (47-2043)	6	5	-1	-17%
Tile and Marble Setters (47-2044)	55	54	-1	-2%
Cement Masons and	78	79	1	1%

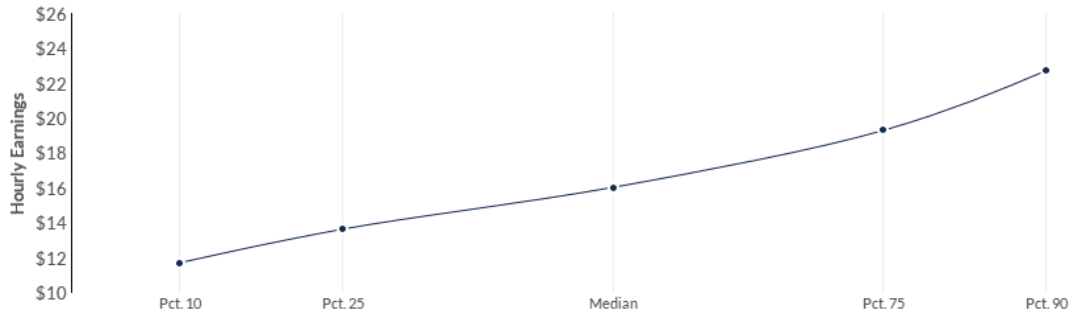
Occupation	2015 Jobs	2016 Jobs	Change	% Change
Concrete Finishers (47-2051)				
Terrazzo Workers and Finishers (47-2053)	1	1	0	0%
Construction Laborers (47-2061)	1,155	1,160	5	0%
Paving, Surfacing, and Tamping Equipment Operators (47-2071)	92	93	1	1%
Pile-Driver Operators (47-2072)	11	11	0	0%
Operating Engineers and Other Construction Equipment Operators (47-2073)	579	575	-4	-1%
Drywall and Ceiling Tile Installers (47-2081)	44	42	-2	-5%
Tapers (47-2082)	9	9	0	0%
Electricians (47-2111)	461	443	-18	-4%
Glaziers (47-2121)	17	16	-1	-6%
Insulation Workers, Floor, Ceiling, and Wall (47-2131)	7	7	0	0%
Insulation Workers, Mechanical (47-2132)	16	17	1	6%
Painters, Construction and Maintenance (47-2141)	309	304	-5	-2%
Paperhangers (47-2142)	2	2	0	0%
Pipelayers (47-2151)	38	40	2	5%
Plumbers, Pipefitters, and Steamfitters (47-2152)	294	291	-3	-1%
Plasterers and Stucco Masons (47-2161)	9	9	0	0%
Reinforcing Iron and Rebar Workers (47-2171)	12	11	-1	-8%
Roofers (47-2181)	63	62	-1	-2%
Sheet Metal Workers (47-2211)	58	56	-2	-3%
Structural Iron and Steel Workers (47-2221)	18	18	0	0%

Occupation	2015 Jobs	2016 Jobs	Change	% Change
Solar Photovoltaic Installers (47-2231)	3	3	0	0%
Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters (47-3011)	4	4	0	0%
Helpers--Carpenters (47-3012)	58	58	0	0%
Helpers--Electricians (47-3013)	61	59	-2	-3%
Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons (47-3014)	2	2	0	0%
Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters (47-3015)	69	68	-1	-1%
Helpers--Roofers (47-3016)	2	1	-1	-50%
Helpers, Construction Trades, All Other (47-3019)	32	32	0	0%
Construction and Building Inspectors (47-4011)	58	60	2	3%
Elevator Installers and Repairers (47-4021)	13	14	1	8%
Fence Erectors (47-4031)	17	17	0	0%
Hazardous Materials Removal Workers (47-4041)	11	11	0	0%
Highway Maintenance Workers (47-4051)	276	280	4	1%
Rail-Track Laying and Maintenance Equipment Operators (47-4061)	22	21	-1	-5%
Septic Tank Servicers and Sewer Pipe Cleaners (47-4071)	50	51	1	2%
Segmental Pavers (47-4091)	1	1	0	0%
Construction and Related Workers, All Other (47-4099)	18	18	0	0%
Derrick Operators, Oil and Gas (47-5011)	112	86	-26	-23%

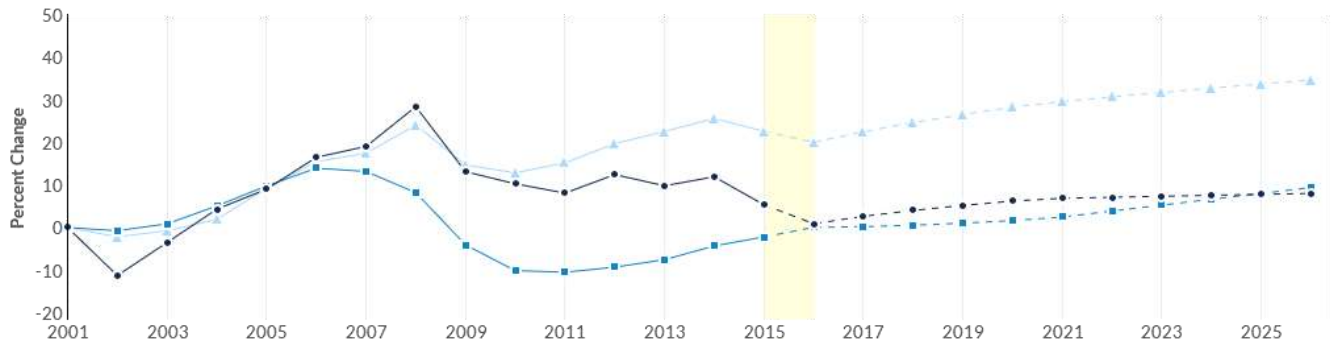
<b>Occupation</b>	<b>2015 Jobs</b>	<b>2016 Jobs</b>	<b>Change</b>	<b>% Change</b>
Rotary Drill Operators, Oil and Gas (47-5012)	169	127	-42	-25%
Service Unit Operators, Oil, Gas, and Mining (47-5013)	241	193	-48	-20%
Earth Drillers, Except Oil and Gas (47-5021)	42	38	-4	-10%
Explosives Workers, Ordnance Handling Experts, and Blasters (47-5031)	48	40	-8	-17%
Continuous Mining Machine Operators (47-5041)	42	39	-3	-7%
Mine Cutting and Channeling Machine Operators (47-5042)	6	6	0	0%
Mining Machine Operators, All Other (47-5049)	3	3	0	0%
Rock Splitters, Quarry (47-5051)	84	80	-4	-5%
Roof Bolters, Mining (47-5061)	4	3	-1	-25%
Roustabouts, Oil and Gas (47-5071)	272	221	-51	-19%
Helpers--Extraction Workers (47-5081)	126	100	-26	-21%
Extraction Workers, All Other (47-5099)	12	10	-2	-17%

# Percentile Earnings for Construction and Extraction Occupations (47-0000)

<b>\$13.62/hr</b> 25th Percentile Earnings	<b>\$16.02/hr</b> Median Earnings	<b>\$19.29/hr</b> 75th Percentile Earnings
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## Regional Trends



	Region	2015 Jobs	2016 Jobs	Change	% Change
●	Region	6,542	6,266	-276	-4.2%
●	United States	6,962,351	7,121,512	159,161	2.3%
●	Oklahoma	109,281	106,999	-2,282	-2.1%

## Regional Breakdown



County	2016 Jobs
Le Flore County, OK	1,306
Pittsburg County, OK	1,241
Bryan County, OK	912
McCurtain County, OK	556
Latimer County, OK	343

## Job Postings Summary

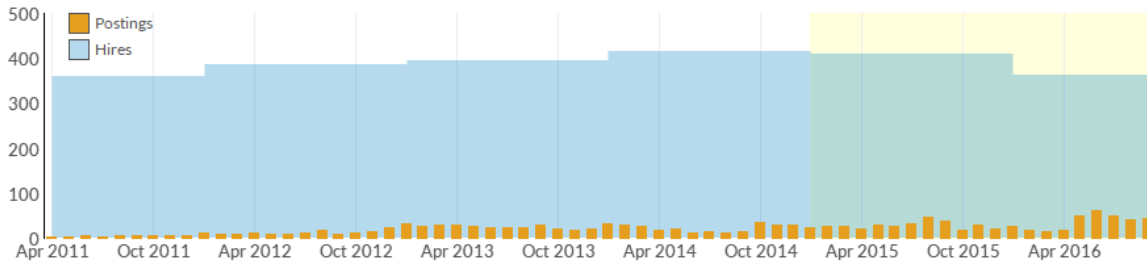
<p><b>661</b></p> <p>Unique Postings (Jan 2015 - Sep 2016)</p> <p>7,040 Total Postings</p>	<p><b>11 : 1</b></p> <p>Posting Intensity (Jan 2015 - Sep 2016)</p> <p>Regional Average: 7 : 1</p>
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There were **7,040** total job postings for your selection from January 2015 to September 2016, of which **661** were unique. These numbers give us a Posting Intensity of **11-to-1**, meaning that for every 11 postings there is 1 unique job posting. This is higher than the Posting Intensity for all other occupations and companies in the region (7-to-1), indicating that they may be trying harder to hire for this position.



## Job Postings vs. Hires

<b>31</b>	<b>390</b>
Avg. Monthly Postings (Jan 2015 - Sep 2016)	Avg. Monthly Hires (Jan 2015 - Sep 2016)



Occupation	Avg Monthly Postings (Jan 2015 - Sep 2016)	Avg Monthly Hires (Jan 2015 - Sep 2016)
Construction and Extraction Occupations	31	390

## Occupation Gender Breakdown



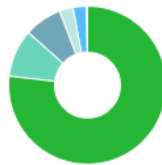
Gender	2016 Jobs	2016 Percent
• Males	6,135	97.9%
• Females	131	2.1%

## Occupation Age Breakdown



	Age	2016 Jobs	2016 Percent
●	14-18	24	0.4%
●	19-24	511	8.2% ■
●	25-34	1,733	27.6% ■■
●	35-44	1,503	24.0% ■■
●	45-54	1,411	22.5% ■■
●	55-64	860	13.7% ■
●	65+	225	3.6% ■

## Occupation Race/Ethnicity Breakdown



	Race/Ethnicity	2016 Jobs	2016 Percent
●	White	4,814	76.8% ■■■■■
●	Hispanic or Latino	608	9.7% ■
●	American Indian or Alaska Native	482	7.7% ■
●	Black or African American	174	2.8% ■

	Race/Ethnicity	2016 Jobs	2016 Percent
•	Two or More Races	171	2.7% 
•	Asian	15	0.2% 
•	Native Hawaiian or Other Pacific Islander	1	0.0% 

## Occupational Programs

8 Programs (2015)		95 Completions (2015)	165 Openings (2015)
CIP Code	Program	Completions (2015)	
46.0201	Carpentry/Carpenter	51	
46.0000	Construction Trades, General	17	
46.0101	Mason/Masonry	12	
46.0302	Electrician	11	
46.0401	Building/Property Maintenance	4	

## Industries Employing Construction and Extraction Occupations

Industry	Occupation Jobs in Industry (2016)	% of Occupation in Industry (2016)	% of Total Jobs in Industry (2016)
Local Government, Excluding Education and Hospitals	831	13.3%	6.9%
Support Activities for Oil and Gas Operations	682	10.9%	49.1%
Site Preparation Contractors	565	9.0%	70.7%
All Other Specialty Trade Contractors	351	5.6%	69.5%
Oil and Gas Pipeline and Related Structures Construction	320	5.1%	62.3%

# 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: Oklahoma Employment Security Commission