

Oklahoma Department of Career and Technology Education

*career*tech

Information Commons

October 2016

Kiamichi Technology Centers

Installation, Maintenance, and Repair Occupations



Parameters

Occupations

| Code | Description |
|---------|---|
| 49-0000 | Installation, Maintenance, and Repair Occupations |

Regions

14 items selected. See Appendix A for details.

Timeframe

2015 - 2016

Datarun

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

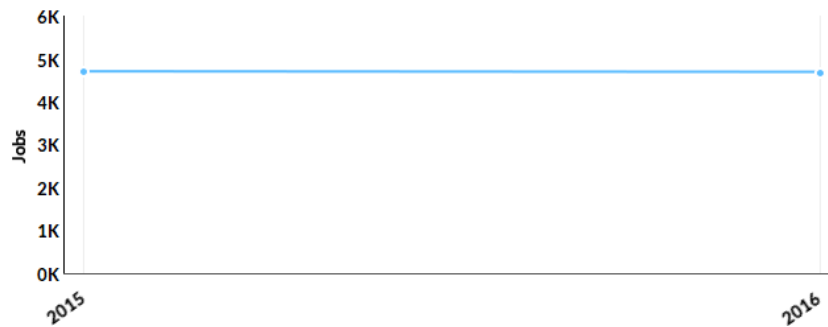
Installation, Maintenance, and Repair Occupations in Kiamichi Technology Center

Occupation Summary for Installation, Maintenance, and Repair Occupations

| | | |
|---|--|---|
| 4,690 Jobs (2016) 23% above National average | -0.3% % Change (2015-2016) Nation: 1.8% | \$17.43/hr Median Hourly Earnings Nation: \$20.92/hr |
|---|--|---|

Growth

| | | | |
|---------------------------|---------------------------|----------------------------------|--------------------------------------|
| 4,702 2015 Jobs | 4,690 2016 Jobs | -12 Change (2015-2016) | -0.3% % Change (2015-2016) |
|---------------------------|---------------------------|----------------------------------|--------------------------------------|



| Occupation | 2015 Jobs | 2016 Jobs | Change | % Change |
|---|-----------|-----------|--------|----------|
| First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011) | 384 | 383 | -1 | 0% |
| Computer, Automated Teller, and Office Machine Repairers (49-2011) | 40 | 41 | 1 | 3% |
| Radio, Cellular, and Tower Equipment Installers and Repairs (49-2021) | 6 | 6 | 0 | 0% |
| Telecommunications Equipment Installers and Repairers, Except Line Installers (49-2022) | 89 | 89 | 0 | 0% |
| Avionics Technicians (49-2091) | 6 | 6 | 0 | 0% |
| Electric Motor, Power Tool, and Related Repairers (49-2092) | 8 | 8 | 0 | 0% |

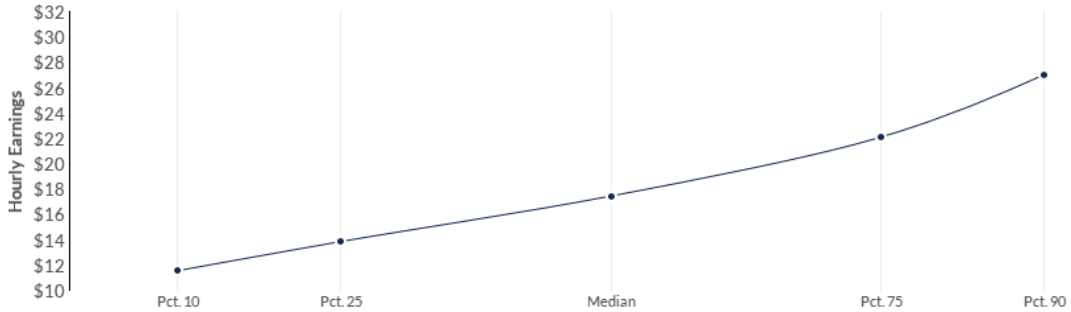
| Occupation | 2015 Jobs | 2016 Jobs | Change | % Change |
|---|-----------|-----------|--------|----------|
| Electrical and Electronics Installers and Repairers, Transportation Equipment (49-2093) | 19 | 18 | -1 | -5% |
| Electrical and Electronics Repairers, Commercial and Industrial Equipment (49-2094) | 66 | 64 | -2 | -3% |
| Electrical and Electronics Repairers, Powerhouse, Substation, and Relay (49-2095) | 24 | 24 | 0 | 0% |
| Electronic Equipment Installers and Repairers, Motor Vehicles (49-2096) | 9 | 8 | -1 | -11% |
| Electronic Home Entertainment Equipment Installers and Repairers (49-2097) | 21 | 21 | 0 | 0% |
| Security and Fire Alarm Systems Installers (49-2098) | 44 | 44 | 0 | 0% |
| Aircraft Mechanics and Service Technicians (49-3011) | 30 | 29 | -1 | -3% |
| Automotive Body and Related Repairers (49-3021) | 90 | 90 | 0 | 0% |
| Automotive Glass Installers and Repairers (49-3022) | 24 | 24 | 0 | 0% |
| Automotive Service Technicians and Mechanics (49-3023) | 562 | 566 | 4 | 1% |
| Bus and Truck Mechanics and Diesel Engine Specialists (49-3031) | 178 | 179 | 1 | 1% |
| Farm Equipment Mechanics and Service Technicians (49-3041) | 41 | 40 | -1 | -2% |
| Mobile Heavy Equipment Mechanics, Except Engines (49-3042) | 189 | 185 | -4 | -2% |
| Rail Car Repairers (49-3043) | 33 | 31 | -2 | -6% |
| Motorboat Mechanics and Service Technicians (49- | 12 | 13 | 1 | 8% |

| Occupation | 2015 Jobs | 2016 Jobs | Change | % Change |
|---|-----------|-----------|--------|----------|
| 3051) | | | | |
| Motorcycle Mechanics (49-3052) | 29 | 31 | 2 | 7% |
| Outdoor Power Equipment and Other Small Engine Mechanics (49-3053) | 20 | 21 | 1 | 5% |
| Bicycle Repairers (49-3091) | 4 | 5 | 1 | 25% |
| Recreational Vehicle Service Technicians (49-3092) | 11 | 11 | 0 | 0% |
| Tire Repairers and Changers (49-3093) | 133 | 134 | 1 | 1% |
| Mechanical Door Repairers (49-9011) | 23 | 23 | 0 | 0% |
| Control and Valve Installers and Repairers, Except Mechanical Door (49-9012) | 22 | 23 | 1 | 5% |
| Heating, Air Conditioning, and Refrigeration Mechanics and Installers (49-9021) | 184 | 183 | -1 | -1% |
| Home Appliance Repairers (49-9031) | 26 | 27 | 1 | 4% |
| Industrial Machinery Mechanics (49-9041) | 308 | 305 | -3 | -1% |
| Maintenance Workers, Machinery (49-9043) | 209 | 197 | -12 | -6% |
| Millwrights (49-9044) | 20 | 21 | 1 | 5% |
| Refractory Materials Repairers, Except Brickmasons (49-9045) | 4 | 4 | 0 | 0% |
| Electrical Power-Line Installers and Repairers (49-9051) | 185 | 188 | 3 | 2% |
| Telecommunications Line Installers and Repairers (49-9052) | 165 | 167 | 2 | 1% |
| Camera and Photographic Equipment Repairers (49-9061) | 1 | 1 | 0 | 0% |
| Medical Equipment Repairers (49-9062) | 7 | 7 | 0 | 0% |

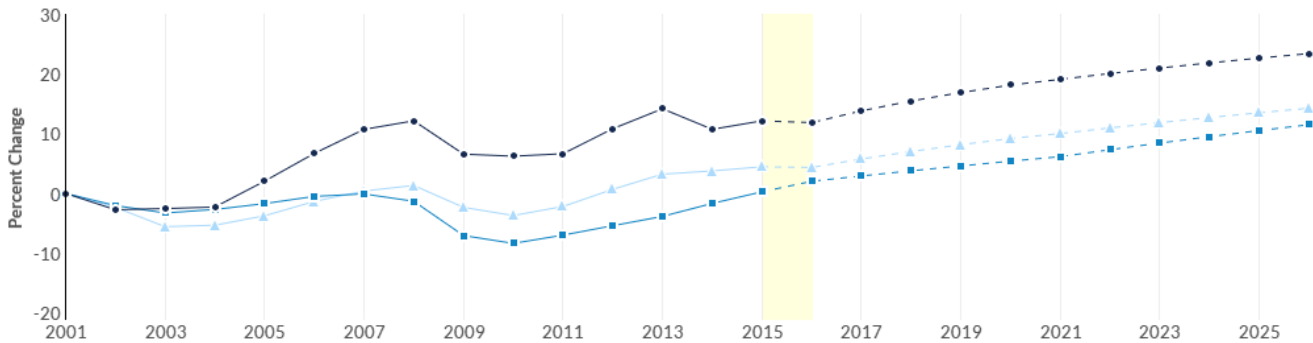
| Occupation | 2015 Jobs | 2016 Jobs | Change | % Change |
|--|-----------|-----------|--------|----------|
| Musical Instrument Repairers and Tuners (49-9063) | 7 | 7 | 0 | 0% |
| Watch Repairers (49-9064) | 4 | 5 | 1 | 25% |
| Precision Instrument and Equipment Repairers, All Other (49-9069) | 4 | 4 | 0 | 0% |
| Maintenance and Repair Workers, General (49-9071) | 1,120 | 1,116 | -4 | 0% |
| Wind Turbine Service Technicians (49-9081) | 6 | 6 | 0 | 0% |
| Coin, Vending, and Amusement Machine Servicers and Repairers (49-9091) | 55 | 58 | 3 | 5% |
| Commercial Divers (49-9092) | 3 | 3 | 0 | 0% |
| Fabric Menders, Except Garment (49-9093) | 0 | 0 | 0 | 0% |
| Locksmiths and Safe Repairers (49-9094) | 13 | 14 | 1 | 8% |
| Manufactured Building and Mobile Home Installers (49-9095) | 9 | 9 | 0 | 0% |
| Riggers (49-9096) | 32 | 30 | -2 | -6% |
| Signal and Track Switch Repairers (49-9097) | 15 | 14 | -1 | -7% |
| Helpers--Installation, Maintenance, and Repair Workers (49-9098) | 125 | 124 | -1 | -1% |
| Installation, Maintenance, and Repair Workers, All Other (49-9099) | 81 | 82 | 1 | 1% |

Percentile Earnings for Installation, Maintenance, and Repair Occupations (49-0000)

| | | |
|---|--------------------------------------|---|
| \$13.83/hr 25th Percentile Earnings | \$17.43/hr Median Earnings | \$22.09/hr 75th Percentile Earnings |
|---|--------------------------------------|---|

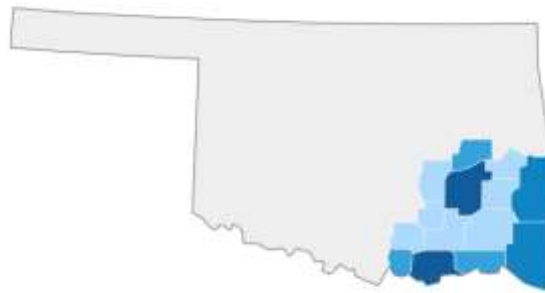


Regional Trends



| Region | 2015 Jobs | 2016 Jobs | Change | % Change |
|-----------------|-----------|-----------|---------|----------|
| ● Region | 4,702 | 4,690 | -12 | -0.3% |
| ● United States | 5,929,891 | 6,034,221 | 104,330 | 1.8% |
| ● Oklahoma | 79,085 | 79,000 | -85 | -0.1% |

Regional Breakdown



| County | 2016 Jobs |
|----------------------|-----------|
| Pittsburg County, OK | 867 |
| Bryan County, OK | 800 |
| McCurtain County, OK | 731 |
| Le Flore County, OK | 718 |
| Marshall County, OK | 236 |

Job Postings Summary

| | |
|---|---|
| <p>2,382</p> <p>Unique Postings (Jan 2015 - Sep 2016)</p> <p>22,585 Total Postings</p> | <p>9 : 1</p> <p>Posting Intensity (Jan 2015 - Sep 2016)</p> <p>Regional Average: 7 : 1</p> |
|---|---|

There were **22,585** total job postings for your selection from January 2015 to September 2016, of which **2,382** were unique. These numbers give us a Posting Intensity of **9-to-1**, meaning that for every 9 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.

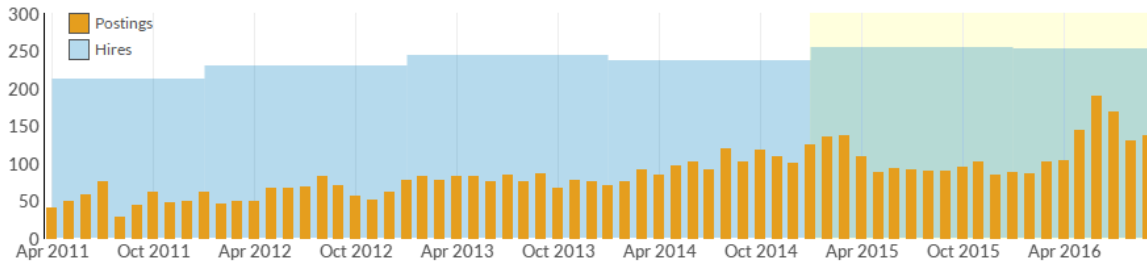
Job Postings vs. Hires

113

Avg. Monthly Postings (Jan 2015 - Sep 2016)

253

Avg. Monthly Hires (Jan 2015 - Sep 2016)



| Occupation | Avg Monthly Postings (Jan 2015 - Sep 2016) | Avg Monthly Hires (Jan 2015 - Sep 2016) |
|---|--|---|
| Installation, Maintenance, and Repair Occupations | 113 | 253 |








Occupation Gender Breakdown



| Gender | 2016 Jobs | 2016 Percent |
|---------|-----------|--------------|
| Males | 4,554 | 97.1% |
| Females | 136 | 2.9% |



Occupation Age Breakdown



| | Age | 2016 Jobs | 2016 Percent |
|---|-------|-----------|--|
| ● | 14-18 | 34 | 0.7%  |
| ● | 19-24 | 355 | 7.6%  |
| ● | 25-34 | 917 | 19.6%  |
| ● | 35-44 | 1,021 | 21.8%  |
| ● | 45-54 | 1,271 | 27.1%  |
| ● | 55-64 | 889 | 19.0%  |
| ● | 65+ | 202 | 4.3%  |

Occupation Race/Ethnicity Breakdown



| | Race/Ethnicity | 2016 Jobs | 2016 Percent |
|---|----------------------------------|-----------|---|
| ● | White | 3,778 | 80.6%  |
| ● | American Indian or Alaska Native | 358 | 7.6%  |
| ● | Hispanic or Latino | 243 | 5.2%  |

| | Race/Ethnicity | 2016 Jobs | 2016 Percent |
|---|---|-----------|--|
| ● | Black or African American | 151 | 3.2%  |
| ● | Two or More Races | 139 | 3.0%  |
| ● | Asian | 19 | 0.4%  |
| ● | Native Hawaiian or Other Pacific Islander | 3 | 0.1%  |

Occupational Programs

| | 15 Programs (2015) | 166 Completions (2015) | 173 Openings (2015) |
|----------|--|---------------------------|------------------------|
| CIP Code | Program | | Completions (2015) |
| 47.0604 | Automobile/Automotive Mechanics Technology/Technician | | 52 |
| 47.0201 | Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician | | 36 |
| 47.0607 | Airframe Mechanics and Aircraft Maintenance Technology/Technician | | 29 |
| 47.0104 | Computer Installation and Repair Technology/Technician | | 13 |
| 46.0302 | Electrician | | 11 |

Industries Employing Installation, Maintenance, and Repair Occupations

| Industry | Occupation Jobs in Industry (2016) | % of Occupation in Industry (2016) | % of Total Jobs in Industry (2016) |
|---|------------------------------------|------------------------------------|------------------------------------|
| Local Government, Excluding Education and Hospitals | 783 | 16.7% | 6.5% |
| General Automotive Repair | 240 | 5.1% | 71.0% |
| Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance | 212 | 4.5% | 41.1% |
| New Car Dealers | 168 | 3.6% | 21.3% |
| Wired Telecommunications Carriers | 150 | 3.2% | 47.3% |

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