Ready To Work: Tomorrow’s Workforce in Oklahoma

Presented by:
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Office of Economic and Workforce Policy
OK’s Educational Gap for New Jobs

New Jobs defined as those jobs projected to be created between 2010 and 2020.
Source: 2010 ACS; EMSI Complete Employment - 2011.4
Wage Growth

Source: BEA Table CA 34. Highlighted States are those states with a border to Oklahoma.

Sum of 1 Year Wage Growth for each Area. Color shows details about Region. The view is filtered on sum of 1 Year Wage Growth and Area. The sum of 1 Year Wage Growth filter keeps all values. The Area filter excludes Null.
Largest Occupations

1. Farmers, Ranchers, and Other Agricultural Managers
2. Retail Salespersons
3. Cashiers
4. Office Clerks, General
5. Real Estate Sales Agents
6. Combined Food Preparation and Serving Workers
7. Janitors and Cleaners
8. Heavy and Tractor-Trailer Truck Drivers
9. Military occupations
10. First-Line Supervisors of Retail Sales Workers
11. Bookkeeping, Accounting, and Auditing Clerks
12. Janitors and Cleaners
13. Secretaries and Administrative Assistants
14. Laborers and Freight, Stock, and Material Movers
15. General and Operations Managers

Source: EMSI 2014.3 – QCEW Employees, Non-QCEW Employees, Self-Employed, and Extended Proprietors
Highest Paying Occupations

- Physicists
- Psychiatrists
- Dentists, General
- Dentists, All Other Specialists
- Petroleum Engineers
- Oral and Maxillofacial Surgeons
- Pediatricians, General
- Internists, General
- Nurse Anesthetists
- Family and General Practitioners
- Obstetricians and Gynecologists
- Anesthesiologists
- Surgeons
- Orthodontists

Source: EMSI 2014.3 – QCEW Employees, Non-QCEW Employees, Self-Employed, and Extended Proprietors
Top Growth Occupations

- Audiolists
- Physical Therapist Aides
- Computer Numerically Controlled Machine Tool Operators
- Survey Researchers
- Helpers--Extraction Workers
- Insulation Workers, Mechanical
- Transportation Workers, All Other
- Social Science Research Assistants
- Mobile Heavy Equipment Mechanics, Except Engines
- Crossing Guards
- Personal Financial Advisors
- Special Education Teachers, Preschool
- Occupational Therapy Aides
- Extraction Workers, All Other

Source: EMSI 2014.3 – QCEW Employees, Non-QCEW Employees, Self-Employed, and Extended Proprietors
Bachelors Entry Openings

Petroleum Engineers
Teachers and Instructors
Child, Family, and School Social Workers
Medical and Health Services Managers
Sales Reps, Manufacturing, Technical and Scientific Products
Management Analysts
Middle School Teachers
Chief Executives
Financial Managers
Secondary School Teachers
Securities, Commodities, and Financial Services Sales Agents
Elementary School Teachers
General and Operations Managers
Accountants and Auditors
Personal Financial Advisors

Source: EMSI 2014.3 – QCEW Employees, Non-QCEW Employees, Self-Employed, and Extended Proprietors
Associates Entry Openings

- Registered Nurses
- Preschool Teachers, Except Special Education
- Electrical and Electronics Engineering Technicians
- Respiratory Therapists
- Web Developers
- Physical Therapist Assistants
- Geological and Petroleum Technicians
- Radiologic Technologists
- Medical and Clinical Laboratory Technicians
- Paralegals and Legal Assistants
- Dental Hygienists
- Veterinary Technologists and Technicians
- Cardiovascular Technologists and Technicians
- Architectural and Civil Drafters
- Computer Network Support Specialists
- Life, Physical, and Social Science Technicians
- Diagnostic Medical Sonographers
- Medical and Clinical Laboratory Technicians

Source: EMSI 2014.3 – QCEW Employees, Non-QCEW Employees, Self-Employed, and Extended Proprietors
## Avionics Technician KSA

<table>
<thead>
<tr>
<th>Knowledge</th>
<th>Skill</th>
<th>Ability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computers and Electronics</td>
<td>Troubleshooting</td>
<td>Oral Comprehension</td>
</tr>
<tr>
<td>Engineering and Technology</td>
<td>Repairing</td>
<td>Oral Expression</td>
</tr>
<tr>
<td>Mechanical</td>
<td>Equipment Maintenance</td>
<td>Information Ordering</td>
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<tr>
<td>Customer and Personal Service</td>
<td>Quality Control Analysis</td>
<td>Problem Sensitivity</td>
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<td>Mathematics</td>
<td>Operation Monitoring</td>
<td>Visualization</td>
</tr>
<tr>
<td>Education and Training</td>
<td>Critical Thinking</td>
<td>Near Vision</td>
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<tr>
<td>Administration and Management</td>
<td>Complex Problem Solving</td>
<td>Written Comprehension</td>
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<tr>
<td>Production and Processing</td>
<td>Coordination</td>
<td>Finger Dexterity</td>
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<tr>
<td>Telecommunications</td>
<td>Active Listening</td>
<td>Deductive Reasoning</td>
</tr>
<tr>
<td>Clerical</td>
<td>Monitoring</td>
<td>Written Expression</td>
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</tbody>
</table>

Source: EMSI 2014.3 – QCEW Employees, Non-QCEW Employees, Self-Employed, and Extended Proprietors
# Aggregated Associates KSA

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<th>Skills</th>
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<tbody>
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<td>Production and Processing</td>
<td>Complex Problem Solving</td>
<td>Oral Comprehension</td>
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<tr>
<td>Engineering and Technology</td>
<td>Active Learning</td>
<td>Oral Expression</td>
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<tr>
<td>Mathematics</td>
<td>Systems Evaluation</td>
<td>Information Ordering</td>
</tr>
<tr>
<td>Computers and Electronics</td>
<td>Troubleshooting</td>
<td>Problem Sensitivity</td>
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<tr>
<td>Sales and Marketing</td>
<td>Operation Monitoring</td>
<td>Written Comprehension</td>
</tr>
<tr>
<td>Building and Construction</td>
<td>Judgment and Decision Making</td>
<td>Deductive Reasoning</td>
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<tr>
<td>Mechanical</td>
<td>Reading Comprehension</td>
<td>Written Expression</td>
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<tr>
<td>Customer and Personal Service</td>
<td>Equipment Maintenance</td>
<td>Manual Dexterity</td>
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<tr>
<td>Telecommunications</td>
<td>Critical Thinking</td>
<td>Control Precision</td>
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<tr>
<td>Public Safety and Security</td>
<td>Repairing</td>
<td>Number Facility</td>
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Source: EMSI 2014.3 – QCEW Employees, Non-QCEW Employees, Self-Employed, and Extended Proprietors
## Accountant KSA

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<td>Economics and Accounting</td>
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<td>Clerical</td>
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<td>Customer and Personal Service</td>
<td>Active Listening</td>
<td>Oral Comprehension</td>
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<td>Administration and Management</td>
<td>Judgment and Decision Making</td>
<td>Written Expression</td>
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<td>English Language</td>
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<td>Personnel and Human Resources</td>
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<td>Near Vision</td>
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<td>Law and Government</td>
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<tr>
<td>Communications and Media</td>
<td>Active Learning</td>
<td>Deductive Reasoning</td>
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Source: EMSI 2014.3 – QCEW Employees, Non-QCEW Employees, Self-Employed, and Extended Proprietors
## Aggregated Bachelors KSA

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<td>English Language</td>
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<td>Mathematics</td>
<td>Reading Comprehension</td>
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<td>Customer and Personal Service</td>
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<td>Mechanical</td>
<td>Complex Problem Solving</td>
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<td>Administration and Management</td>
<td>Active Listening</td>
<td>Mathematical Reasoning</td>
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<tr>
<td>Building and Construction</td>
<td>Judgment and Decision Making</td>
<td>Problem Sensitivity</td>
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<tr>
<td>Design</td>
<td>Service Orientation</td>
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<td>Computers and Electronics</td>
<td>Time Management</td>
<td>Fluency of Ideas</td>
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<tr>
<td>Communications and Media</td>
<td>Speaking</td>
<td>Information Ordering</td>
</tr>
<tr>
<td>Sales and Marketing</td>
<td>Negotiation</td>
<td>Oral Expression</td>
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</tbody>
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Source: EMSI 2014.3 – QCEW Employees, Non-QCEW Employees, Self-Employed, and Extended Proprietors
Current & 2025 Projected Workforce Demand

- **Expand OK’s Economy**
  - Maintain Growth
  - Transportation & Distribution (T&D 2025)
  - Aerospace & Defense (AD 2025)
  - Ag Bio (AG 2025)
  - Energy (E 2025)
  - Info & Financial Services (I&F 2025)

**Source:** EMSI 2014.3 – QCEW Employees, Non-QCEW Employees, Self-Employed, and Extended Proprietors
For more information:

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