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Labor Markets in New Mexico’s Career and Technical Education Region K



Introduction

Career Technical Education (CTE) provides students of all ages with the academic and technical skills necessary to succeed in future careers and to become lifelong learners. In total, about 12.5 million high school and college students are enrolled in CTE across the nation. Funded by the Carl D. Perkins Career and Technical Education Act (Perkins), CTE prepares these learners for the world of work by introducing them to workplace competencies, and makes academic content accessible to students by providing hands-on experiences in various industry sectors.[[1]](#footnote-1)

More than 62,000 New Mexico students are enrolled in CTE programs, and more than 17,000 are “concentrators,” who take two or more CTE courses. CTE Concentrators graduate high school at a rate more than 23 percentage points higher than the general student body. More than half of the state’s community college students are enrolled in CTE programs, with more than 33,000 concentrating in CTE fields.

Federal legislation requires a Comprehensive Local Needs Assessment for proposed CTE programs, and the New Mexico Public Education Department commissioned this initiative to provide parameters and guidance to CTE program applicants. Our intention is to provide intelligence on regional labor markets and economic trends to inform CTE strategies that make high-quality career opportunities more available to the students we serve.

The Region

Region K comprises a number of school districts and charter schools:

* Artesia
* Carlsbad Municipal
* Dexter Consolidated
* Eunice
* Hagerman Municipal
* Hobbs Municipal
* Jal
* Lake Arthur Municipal
* Loving Municipal
* Lovington
* Roswell Independent
* Tatum Municipal

Regional Education Cooperatives (REC) exists to provide educational services to students, staff, and families of the member districts and communities. REC’s provide ancillary support and technical assistance in implementing federal and state statutes and regulations; professional development; and support for members in meeting the Public Education Department's requirements The Region is served by Regional Education Cooperatives #7 and #8.

Five postsecondary institutions serve the area: Eastern New Mexico University-Roswell, New Mexico Junior College, New Mexico State University-Carlsbad, the University of the Southwest and the New Mexico Military Institute. The districts lie primarily in Eddy, Chaves and Lea Counties, all of which are within the Eastern Workforce Region.

The Key Findings

**The People**

* CTE Region K has seen uneven population trends over recent years, with Eddy and Lea Counties experiencing net positive growth since 2010, while Chaves County has declined by a net 1.6%. Combined, the region’s population has decreased 4.3% since that time, including a 7.8% increase in Lea County and 7.4% in Eddy.
* It is notable that the population of the Region is aging. The youngest age band, those under 10 years old has experienced slight decline since 2010, while those 65 years and older have increased significantly (11.9%).
* More than 54% of the population in the Region Kas either a high school diploma and no college experience or some college experience and no degree.
* The percentage who hold a bachelor’s degree or higher (14.9%) is significantly lower than the national average of 30.9%.

**The Employers**

The largest industries in the region are

1. Mining, Quarrying, and Oil and Gas Extraction
2. Government and Government Enterprises
3. Retail Trade
4. Health Care and Social Assistance
5. Accommodation and Food Service
6. Construction

One of the unique characteristics of this Region Ks the concentration of the *Mining, Quarrying & Oil/Gas Extraction* industry and the services that support it. For example, workers in this region are concentrated in the *Natural Gas Extraction* industry at a rate more than 17 times the national average and in Crude Petroleum Extraction at more than 40 times the average.

According to the New Mexico Department of Workforce Solutions, there are six organizations in the region who employ more than 500 workers.

* Mosaic Company
* Carlsbad Medical Center
* Leprino Foods
* Eastern New Mexico Medical Center
* Pollard Bus Company
* Lea Regional Medical Center

**The Jobs**

The occupation families with the largest projected growth include:

1. Construction and Extraction (8,280 new jobs)
2. Transportation and Material Moving (2,595)
3. Installation, Maintenance and Repair (1,410)
4. Management (1,120)
5. Sales and Related Occupations (1,052)
6. Production (889)
7. Architecture and Engineering (781)

This report sought to identify “Quality Careers,” which are projected to grow significantly in coming years in this region and which typically pay higher-than-average wages.

Several of these Quality Careers were from the Health Sciences cluster, including *Registered Nurses* ($67,505, 83 new jobs), *Occupational Health and Safety Specialists* ($66,919, 77) and *Clinical Laboratory* *Technicians* ($45,933, 16). Others came from the Construction and Extraction cluster, including *Service Unit Operators-Oil/Gas/Mining* ($59,874, 825) *Equipment Operators* ($44,425, 569) and Production Occupations like *Petroleum Pump System Operators*, *Refinery Operators and Gaugers* ($72,780, 141) and *Welders/Cutters/Solderers/Brazers* ($55,214, 227). The region’s single largest-growth occupation among these quality careers is *Truck Drivers* ($43,503, 1,746).

**The Observations**

This report identifies three segments of the regional economy which can serve as a starting point for conversations about the region’s economic priorities.

Natural Resources and Mining

This region’s economy centers on natural resources and the construction and extraction activities that are born from that. The Mining sector directly employs more than 16,000 workers in this region. The 21st Century mining sector is a source of high-quality career opportunities that offer high wages and cutting edge technologies. Demand for transportation, specialized engineering and other services are also driven by success in this sector.

Architecture and Engineering

Many of the occupations that offer both high demand and higher-than-average wages come from the Architecture and Engineering Cluster. In particular, Nuclear Engineers, Engineering Technicians, Health and Safety Engineers and Industrial Engineering Technicians are projected to experience significantly increased demand. High quality career opportunities in this field exist at every level of education.

Industrial production technology

Manufacturers employ more than 3,000 people in this region. Occupations like machinists and welders are in constant demand and offer high wages and valuable opportunities to develop.

Other areas that were considered for this recommendation, but ultimately not included were:

* Health Care Practitioners and Technical Occupations
* 21st Century Transportation

The People

**Population**

There are 12,145 students enrolled in grades 9-12 across the region’s twelve school districts. Trends in the region’s population will have an obvious effect on that enrollment and warrants regular analysis. CTE Region K has seen uneven population trends over recent years, with Eddy and Lea Counties experiencing net positive growth since 2010, while Chaves County has declined by a net 1.6%. Combined, the region’s population has decreased 4.3% since that time, including a 7.8% increase in Lea County and 7.4% in Eddy.

**Table 1: Population by County, 2010-2018:**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Year | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
| Eddy | 53,901 | 54,056 | 54,416 | 55,668 | 56,690 | 57,724 | 57,667 | 57,205 | 57,900 |
| Chaves | 65,727 | 65,739 | 65,800 | 66,059 | 65,880 | 65,878 | 65,697 | 65,153 | 64,689 |
| Lea | 64,599 | 65,130 | 66,382 | 68,644 | 70,211 | 71,496 | 70,254 | 69,057 | 69,611 |

**Demographics-Race and Ethnicity**

**Table 2: Region K Population, by Race and Ethnicity:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Race/Ethnicity | 2010 Population | 2018 Population | Change | % Change | 2018 % of Total |
| White, Hispanic | 86,312 | 100,822 | 14,510 | 16.8% | 52.5% |
| White, Non-Hispanic | 84,780 | 76,065 | (8,715) | -10.3% | 39.6% |
| Black, Non-Hispanic | 4,085 | 4,026 | (59) | -1.4% | 2.1% |
| American Indian, Hispanic | 2,089 | 2,694 | 605 | 29.0% | 1.4% |
| Other, Hispanic | 3,154 | 4,014 | 860 | 27.3% | 2.1% |
| Other | 4,093 | 4,953 | 860 | 21.0% | 2.6% |
| *United States Census Bureau, Annual Population Estimates* | | | | | |

**Demographics-Age**

It is notable that the population of the Region is aging. The youngest age band, those under 10 years old has experienced slight decline since 2010, while those 65 years and older have increased significantly (11.9%).

**Table 3: Region K Population, by Age:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Age Cohort | 2010 Population | 2018 Population | Change | % Change | 2018 % of Cohort |
| Under 10 | 29,221 | 28,955 | (266) | -0.9% | 15.07% |
| 10-19 | 27,934 | 29,753 | 1,819 | 6.5% | 15.48% |
| 20-29 | 24,859 | 25,875 | 1,016 | 4.1% | 13.46% |
| 30-39 | 22,217 | 26,214 | 3,997 | 18.0% | 13.64% |
| 40-49 | 22,804 | 21,384 | (1,420) | -6.2% | 11.13% |
| 50-64 | 33,356 | 33,339 | (17) | -0.1% | 17.35% |
| 65+ | 23,833 | 26,680 | 2,847 | 11.9% | 13.88% |
| *United States Census Bureau, Annual Population Estimates* | | | | | |

**Demographics-Educational Attainment**

**Table 4: Region K Population by Educational Attainment:**

|  |  |
| --- | --- |
| Education Level | Population |
| Less than 9th Grade | 13.6% |
| 9th Grade to 12th Grade | 9.2% |
| High School Diploma | 31.9% |
| Some College | 22.2% |
| Associate’s Degree | 8.1% |
| Bachelor’s Degree | 9.4% |
| Graduate Degree or Higher | 5.5% |
| *United States Census Bureau, American Community Survey* | |

More than 54% of the population in the Region Kas either a high school diploma and no college experience or some college experience and no degree.

The percentage who hold a bachelor’s degree or higher (14.9%) is significantly lower than the national average of 30.9%.

The Employers

To gain perspective on the businesses who employ workers in Region K, we look at data from the New Mexico Department of Workforce Solutions, in particular the *Quarterly Census of Employment and Wages*. Data from that instrument are organized according to the *North American Industry Classification System (NAICS)*, in which businesses are categorized by their primary lines of business into general industry sectors, then subdivided into more granular industry definitions. For this report, we look first at the general industry sectors, then at the detailed industries they include.

An Employment Location Quotient is an indexed value that illustrates the concentration of an industry in a particular location. An LQ of 1.0 indicates that employment in the target industry is exactly equal to the national average. An LQ of 2.0, then would indicate that employment in the target industry is double the national average.

**Table 5: Components of Top Industry Sectors, Region K:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sector/Top Detailed Industries** | | **2019 Jobs** | **Average Wages** | **Location Quotient** |
| **Mining, Quarrying and Oil and Gas Extraction** | | | | |
|  | Support Activities for Mining | 12,703 | $72,146 | 63.21 |
|  | Crude Petroleum Extraction | 2,401 | $124,470 | 40.05 |
|  | Other Nonmetallic Mineral Mining and Quarrying | 742 | $88,066 | 109.38 |
|  | Natural Gas Extraction | 371 | $125,543 | 17.00 |
| **Government** | | | | |
|  | Education (Local Government) | 5,368 | $41,500 | 1.18 |
|  | Local Government, Excluding Education and Hospitals | 3,388 | $51,419 | 1.03 |
|  | State Government, Excluding Education and Hospitals | 1,146 | $49,644 | 0.88 |
|  | Education (State Government) | 935 | $35,406 | 0.59 |
| **Health Care and Social Assistance** | | | | |
|  | General Medical and Surgical Hospitals | 2,029 | $67,900 | 0.75 |
|  | Home Health Care Services | 1,139 | $18,238 | 1.33 |
|  | Services for the Elderly and Persons with Disabilities | 1,017 | $18,208 | 0.91 |
|  | Offices of Physicians | 915 | $66,256 | 0.61 |
|  | Nursing Care Facilities (Skilled Nursing Facilities) | 729 | $37,089 | 0.80 |
| **Construction** | | | | |
|  | Oil and Gas Pipeline and Related Structures Construction | 2,335 | $66,244 | 22.99 |
|  | Electrical Contractors and Other Wiring Installation Contractors | 1,119 | $65,247 | 2.01 |
|  | All Other Specialty Trade Contractors | 666 | $61,712 | 3.31 |
|  | Site Preparation Contractors | 599 | $64,605 | 2.93 |
|  | Highway, Street, and Bridge Construction | 459 | $53,644 | 2.32 |
|  | Plumbing, Heating, and Air-Conditioning Contractors | 391 | $44,229 | 0.59 |
|  | Power/Communication Line and Related Structure Construction | 384 | $75,102 | 3.23 |
|  | Commercial and Institutional Building Construction | 235 | $41,770 | 0.60 |
|  | Industrial Building Construction | 212 | $61,428 | 2.18 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sector/Top Detailed Industries** | | **2019 Jobs** | **Average Earnings** | **Location Quotient** |
| **Transportation and Warehousing** | | | | |
|  | Specialized Freight (except Used Goods) Trucking, Local | 1,855 | $75,128 | 14.07 |
|  | General Freight Trucking, Local | 454 | $58,736 | 3.00 |
|  | Pipeline Transportation of Natural Gas | 432 | $119,008 | 25.49 |
|  | General Freight Trucking, Long-Distance | 358 | $68,533 | 0.80 |
| **Manufacturing** | | | | |
|  | Petroleum Refineries | 608 | $106,216 | 15.32 |
|  | Dairy Product (except Frozen) Manufacturing | 520 | $60,819 | 7.09 |
|  | Other Basic Inorganic Chemical Manufacturing | 173 | $140,288 | 7.59 |
| *Economic Modelling Specialists International* | | | | |

**Detailed Industries by County**

It is also instructive to look at detailed industries in each of the counties that make up this CTE Region. In our quest to prioritize industries and occupations, one of the most valuable pieces of intelligence we can utilize is industry employment data.

**Table 6: Employment by Industry, Eddy County, 2019:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Eddy | 2019 Jobs | Average Wages/ Earnings | Location Quotient | Age 45+ |
| Support Activities for Mining | 5,654 | $74,633 | 76.39 | 32.9% |
| Restaurants and Other Eating Places | 1,808 | $19,246 | 0.80 | 22.8% |
| Crude Petroleum Extraction | 1,575 | $128,484 | 71.30 | 41.8% |
| Education (Local Government) | 1,495 | $42,790 | 0.89 | 48.0% |
| Local Government, Excluding Education and Hospitals | 1,130 | $60,740 | 0.93 | 46.0% |
| Waste Treatment and Disposal | 897 | $100,609 | 42.87 | 66.8% |
| General Medical and Surgical Hospitals | 890 | $72,977 | 0.89 | 46.2% |
| Oil and Gas Pipeline and Related Structures Construction | 740 | $61,543 | 19.79 | 34.5% |
| Other Nonmetallic Mineral Mining and Quarrying | 736 | $87,835 | 294.77 | 51.8% |
| Merchandise Stores, Warehouse Clubs and Supercenters | 709 | $28,781 | 1.72 | 42.3% |
| *Economic Modelling Specialists International* | | | | |

**Table 7: Employment by Industry, Chaves County, 2019:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Chaves | 2019 Jobs | Average Wages/ Earnings | Location Quotient | Age 45+ |
| Restaurants and Other Eating Places | 2,420 | $16,963 | 1.57 | 19.3% |
| Education (Local Government) | 1,460 | $43,120 | 1.28 | 48.0% |
| Local Government, Excluding Education and Hospitals | 1,014 | $43,618 | 1.23 | 46.1% |
| Animal Production | 1,000 | $35,218 | 26.40 | 48.5% |
| State Government, Excluding Education and Hospitals | 676 | $49,637 | 2.08 | 42.6% |
| Education (State Government) | 646 | $36,334 | 1.64 | 51.2% |
| Services for the Elderly and Persons with Disabilities | 632 | $18,473 | 2.27 | 50.0% |
| Merchandise Stores, Warehouse Clubs and Supercenters | 589 | $25,191 | 2.10 | 36.2% |
| Offices of Physicians | 546 | $68,120 | 1.44 | 40.8% |
| Dairy Product (except Frozen) Manufacturing | 520 | $60,819 | 28.31 | 41.3% |
| *Economic Modelling Specialists International* | | | | |

**Table 8: Employment by Industry, Lea County, 2019:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Lea | | 2019 Jobs | Average Wages/ Earnings | Location Quotient | Age 45+ | |
| Support Activities for Mining | | 6,806 | $70,501 | 88.82 | 36.0% | |
| Restaurants and Other Eating Places | | 2,455 | $17,244 | 1.04 | 21.2% | |
| Education (Local Government) | | 2,413 | $39,720 | 1.39 | 47.4% | |
| Oil and Gas Pipeline and Related Structures Construction | | 1,591 | $68,444 | 41.07 | 38.7% | |
| Local Government, Excluding Education and Hospitals | | 1,244 | $49,314 | 0.99 | 46.1% | |
| Specialized Freight (except Used Goods) Trucking, Local | | 1,138 | $75,137 | 22.63 | 45.3% | |
| Crude Petroleum Extraction | | 730 | $119,843 | 31.92 | 42.7% | |
| General Medical and Surgical Hospitals | | 726 | $66,690 | 0.70 | 41.2% | |
| Supermarkets and Other Grocery (except Convenience) Stores | | 724 | $22,199 | 1.31 | 31.5% | |
| Electrical Contractors, Wiring Installation Contractors | | 687 | $66,166 | 3.24 | 30.7% | |
| *Economic Modelling Specialists International* | | | | |

The Jobs

Another instrument of the New Mexico Department of Workforce Solutions that provides valuable perspective on career opportunities in this Region Ks the *Occupational Employment Statistics* Series. Employment and wages are estimated for more than 750 occupation categories, and to evaluate growth in demand for particular occupations, we return the occupations with the largest growth since 2010.

**Table 9: Occupation Employment, Region K, 2010-2019:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Description | 2010 Jobs | 2019 Jobs | 2010 - 2019 Change | 2010 - 2019 % Change | Annual Openings | Median Annual Earnings |
| Heavy and Tractor-Trailer Truck Drivers | 2,030 | 3,544 | 1,514 | 75% | 571 | $43,503 |
| Roustabouts, Oil and Gas | 1,624 | 3,127 | 1,503 | 93% | 641 | $32,903 |
| Construction Laborers | 1,110 | 1,971 | 861 | 78% | 311 | $31,661 |
| Supervisors-Construction Trades/Extraction | 925 | 1,664 | 739 | 80% | 244 | $61,480 |
| Secretaries and Administrative Assistants | 2,721 | 3,402 | 681 | 25% | 482 | $33,013 |
| Food Prep/Serving Workers, Fast Food | 1,997 | 2,657 | 660 | 33% | 481 | $19,677 |
| Personal Care Aides | 1,189 | 1,829 | 640 | 54% | 300 | $20,113 |
| Service Unit Operators, Oil, Gas, and Mining | 574 | 1,057 | 483 | 84% | 214 | $59,874 |
| General and Operations Managers | 1,155 | 1,633 | 478 | 41% | 194 | $87,973 |
| Construction Equipment Operators | 788 | 1,200 | 412 | 52% | 185 | $44,425 |
| Industrial Machinery Mechanics | 399 | 800 | 401 | 101% | 107 | $63,114 |
| Cashiers | 2,018 | 2,388 | 370 | 18% | 469 | $21,875 |
| Sales Representatives, Services, All Other | 254 | 555 | 301 | 119% | 87 | $43,337 |
| Cooks, Restaurant | 537 | 824 | 287 | 53% | 130 | $24,258 |
| Rotary Drill Operators, Oil and Gas | 577 | 855 | 278 | 48% | 178 | $33,935 |
| Laborers& Freight, Stock, Material Movers | 980 | 1,250 | 270 | 28% | 203 | $28,609 |
| Electricians | 506 | 727 | 221 | 44% | 111 | $53,126 |
| Retail Salespersons | 1,751 | 1,948 | 197 | 11% | 333 | $23,775 |
| Stock Clerks and Order Fillers | 1,002 | 1,192 | 190 | 19% | 176 | $24,038 |
| Customer Service Representatives | 717 | 900 | 183 | 26% | 130 | $30,329 |
| Waiters and Waitresses | 1,238 | 1,409 | 171 | 14% | 300 | $20,436 |
| Substitute Teachers | 697 | 867 | 170 | 24% | 123 | $27,488 |
| Derrick Operators, Oil and Gas | 678 | 843 | 165 | 24% | 203 | $47,653 |
| Petroleum Pump System Operators, Refinery Operators, and Gaugers | 272 | 436 | 164 | 60% | 61 | $72,780 |

Many factors go into an evaluation of a career’s potential, including demand and earning potential. The New Mexico Department of Workforce Solutions also projects changes in total employment for every occupation by 2026. The occupations that are projected to experience the largest growth and that pay wages above the region’s average are categorized here as high-quality careers, and detailed occupations are grouped into general “occupation families.”

**Table 10: Projected Change, Occupations, 2016-2026, Region K:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| High Quality Career | 2016 Jobs | 2026 Jobs | New Jobs | % Change | Annual Openings | Average Earnings |
| **Health Care Practitioners and Technical Occupations** | | | | | | |
| Registered Nurses | 1,046 | 1,129 | 83 | 8% | 69 | $67,505 |
| Occupational Health and Safety Specialists | 99 | 176 | 77 | 78% | 16 | $66,919 |
| Nurse Practitioners | 46 | 70 | 24 | 52% | 6 | $116,721 |
| Occupational Health and Safety Technicians | 36 | 56 | 20 | 56% | 5 | $47,619 |
| Clinical Laboratory Technologists and Technicians | 80 | 96 | 16 | 20% | 8 | $45,933 |
| Dental Hygienists | 60 | 72 | 12 | 20% | 6 | $85,004 |
| Radiologic Technologists | 93 | 104 | 11 | 12% | 7 | $54,747 |
| Dentists, General | 53 | 64 | 11 | 21% | 3 | $154,461 |
| Speech-Language Pathologists | 55 | 65 | 10 | 18% | 4 | $79,052 |
| Psychiatrists | 19 | 28 | 9 | 47% | 2 | $233,149 |
| **Architecture and Engineering** | | | | | | |
| Civil Engineers | 81 | 202 | 121 | 149% | 24 | $88,518 |
| Petroleum Engineers | 101 | 175 | 74 | 73% | 18 | $95,946 |
| Mechanical Engineers | 56 | 105 | 49 | 88% | 10 | $84,759 |
| Engineers, All Other | 63 | 111 | 48 | 76% | 12 | $99,498 |
| **Construction** | | | | | | |
| Supervisors-Construction Trades and Extraction | 1,054 | 2,063 | 1,009 | 96% | 278 | $61,480 |
| Service Unit Operators, Oil, Gas, and Mining | 666 | 1,491 | 825 | 124% | 242 | $59,874 |
| Operating Engineers, Equipment Operators | 871 | 1,440 | 569 | 65% | 198 | $44,425 |
| Derrick Operators, Oil and Gas | 522 | 1,040 | 518 | 99% | 172 | $47,653 |
| Electricians | 509 | 930 | 421 | 83% | 135 | $53,126 |
| **High Quality Career** | **2016 Jobs** | **2026 Jobs** | **New Jobs** | **% Change** | **Annual Openings** | **Average Earnings** |
| **Business and Financial Operations** | | | | | | |
| Accountants and Auditors | 414 | 558 | 144 | 35% | 61 | $58,689 |
| Business Operations Specialists, All Other | 376 | 484 | 108 | 29% | 53 | $64,612 |
| Financial Analysts | 115 | 169 | 54 | 47% | 19 | $147,035 |
| Management Analysts | 68 | 121 | 53 | 78% | 15 | $68,210 |
| Human Resources Specialists | 135 | 186 | 51 | 38% | 22 | $46,990 |
| Market Research Analysts and Specialists | 63 | 113 | 50 | 79% | 14 | $48,132 |
| Logisticians | 45 | 92 | 47 | 104% | 12 | $73,690 |
| Compliance Officers | 124 | 154 | 30 | 24% | 16 | $83,110 |
| Training and Development Specialists | 97 | 123 | 26 | 27% | 15 | $53,265 |
| Buyers and Purchasing Agents | 129 | 147 | 18 | 14% | 17 | $57,687 |
| **Transportation and Material Moving** | | | | | | |
| Heavy and Tractor-Trailer Truck Drivers | 2,613 | 4,359 | 1,746 | 67% | 592 | $43,503 |
| **Computer Occupations** | | | | | | |
| Network and Computer Systems Administrators | 100 | 130 | 30 | 30% | 12 | $64,828 |
| Computer User Support Specialists | 165 | 190 | 25 | 15% | 18 | $46,089 |
| Computer Systems Analysts | 69 | 92 | 23 | 33% | 9 | $84,203 |
| Computer Occupations, All Other | 27 | 47 | 20 | 74% | 5 | $77,689 |
| Software Developers, Systems Software | 38 | 53 | 15 | 39% | 5 | $69,035 |
| **Production** | | | | | | |
| Welders, Cutters, Solderers, and Brazers | 367 | 594 | 227 | 62% | 78 | $55,214 |
| Petroleum Pump System Operators, Refinery Operators, and Gaugers | 368 | 509 | 141 | 38% | 65 | $72,780 |
| Gas Plant Operators | 163 | 298 | 135 | 83% | 44 | $69,372 |
| Inspectors, Testers, Sorters, Samplers, Weighers | 296 | 388 | 92 | 31% | 55 | $64,871 |
| Supervisors-Production and Operating Workers | 342 | 426 | 84 | 25% | 49 | $63,915 |
| Machinists | 103 | 165 | 62 | 60% | 21 | $54,219 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| High Quality Career | 2016 Jobs | 2026 Jobs | New Jobs | % Change | Annual Openings | Average Earnings |
| **Management** | | | | | | |
| Construction Managers | 143 | 252 | 109 | 76% | 26 | $91,819 |
| Financial Managers | 133 | 225 | 92 | 69% | 24 | $90,906 |
| Architectural and Engineering Managers | 54 | 98 | 44 | 81% | 10 | $122,209 |
| Administrative Services Managers | 110 | 152 | 42 | 38% | 16 | $84,396 |
| Education Administrators | 145 | 171 | 26 | 18% | 15 | $88,297 |

The Talent Development Ecosystem

**Assets**

CTE Region K is served by Regional Education Centers #7 and #8. Postsecondary educational institutions in the Region include Eastern New Mexico University-Roswell, New Mexico Junior College, New Mexico State University-Carlsbad, the University of the Southwest and the New Mexico Military Institute..

**Awards**

In 2018, the most recent academic year for which data are available, 2,349 degrees and certificates were awarded by these institutions, including 2,010 which were awarded in programs not offered as distance education.

Workforce Equilibrium

Finally, we use a crosswalk from the United States Department of Education to estimate the balance between the region’s emerging supply of qualified talent and projected demand for workers with relevant skills. The difference between awards in a program and the aggregated number of openings in related occupations is quantified here as a “Workforce Equilibrium Value.”

Ideally, the numbers representing emerging supply will be roughly equal to projected demand. Where an imbalance exists, there may be an opportunity to expand program offerings or to encourage students and jobseekers to consider careers in these fields. The educational system thus becomes a valuable factor in not only the success of individual students, but also in the economic success of the region.

**Table 11: Program Awards and Openings in Related Occupations, Region K:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description | 2018 Awards | Openings-Related Occupations | 2019 Jobs | Equilibrium Value |
| Automobile/Automotive Mechanics Technology/Technician | 163 | 61 | 526 | 103 |
| Liberal Arts and Sciences/Liberal Studies | 129 | 31 | 320 | 98 |
| Emergency Medical Technology/Technician (EMT Paramedic) | 99 | 17 | 124 | 82 |
| Nursing Assistant/Aide and Patient Care Assistant/Aide | 83 | 69 | 576 | 14 |
| Welding Technology/Welder | 63 | 78 | 481 | (15) |
| Registered Nursing/Registered Nurse | 60 | 69 | 1,030 | (9) |
| Airframe Mechanics, Aircraft Maintenance Technology | 55 | 7 | 67 | 48 |
| Counselor Education/School Counseling, Guidance Services | 50 | 12 | 116 | 38 |
| Graphic Design | 46 | 6 | 43 | 40 |
| Business Administration and Management, General | 45 | 364 | 2,976 | (319) |
| Criminal Justice/Police Science | 42 | 47 | 564 | (5) |
| Construction Trades, General | 39 | 929 | 5,651 | (890) |
| Medical/Clinical Assistant | 34 | 40 | 287 | (6) |
| HVAC and Refrigeration Maintenance Technology/Technician | 34 | 13 | 111 | 21 |
| Mental Health Counseling/Counselor | 32 | 7 | 63 | 25 |
| Business Administration, Management and Operations… | 23 | 65 | 566 | (42) |
| Kinesiology and Exercise Science | 21 | 2 | 21 | 19 |
| Education, General | 20 | 234 | 2,501 | (214) |
| Cosmetology/Cosmetologist, General | 20 | 10 | 72 | 10 |
| Criminal Justice/Safety Studies | 18 | 5 | 66 | 13 |
| Quality Control and Safety Technologies/Technicians, Other | 18 | 16 | 145 | 2 |
| Corrections | 18 | 37 | 427 | (19) |
| Occupational Therapist Assistant | 18 | 3 | 25 | 15 |
| Business/Commerce, General | 18 | 335 | 2,750 | (317) |
| Automobile/Automotive Mechanics Technology/Technician | 163 | 61 | 526 | 103 |
| Liberal Arts and Sciences/Liberal Studies | 129 | 31 | 320 | 98 |

For more information, contact Trevor Stokes at tstokes@careersthatwork.net

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1. *https://webnew.ped.state.nm.us/bureaus/college-career-readiness/career-technical-education/* [↑](#footnote-ref-1)