

# 2021 Comprehensive Local Needs Assessment

## Labor Market Analysis Region I

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

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## Introduction and Approach

### **Introduction**

Career and 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.<sup>1</sup>



More than 68,000 New Mexico high school students are enrolled in CTE programs, and more than 13,000 postsecondary credentials were earned by New Mexico CTE students last year. CTE Concentrators graduate high school at a rate more than 19 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 52,000 participating in CTE programs.<sup>2</sup>

### **The Strengthening Career and Technical Education for the 21st Century Act**

Federal legislation requires a Comprehensive Local Needs Assessment for proposed CTE programs, and the New Mexico Public Education Department originally 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.

### **Approach**

This report leverages data from the New Mexico Department of Workforce Solutions, the United States Census Bureau, the United States Bureau of Economic Analysis, the National Center for Education Statistics and Economic Modelling Specialists International to create practical perspectives on the region’s labor markets and the career opportunities available to its students.

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<sup>1</sup> <https://webnew.ped.state.nm.us/bureaus/college-career-readiness/careertechnicaleducation/>

<sup>2</sup> <https://www.acteonline.org/wp-content/uploads/2021/02/NM-CTE-Fact-Sheet-2021.pdf>

## The Region

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

- Clovis Municipal
- Dora Consolidated
- Elida Municipal
- Floyd Municipal
- Fort Sumner Municipal
- Grady Municipal
- Melrose
- Portales Municipal
- Texico Municipal

Regional Education Cooperatives (REC) 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 Cooperative #6.

Two degree-granting postsecondary institutions serve the area: Eastern New Mexico University and Clovis Community College. The districts lie primarily in Curry, Roosevelt and De Baca Counties, all of which are within the Eastern Workforce Region.

## Summary and Key Findings

### **2020 Research and Outcomes**

In 2020 the New Mexico Public Education Department's research supported a series of community summits, in which priorities for the distribution of Perkins funding were established by civic, economic development and business leaders for each region.

The Region I CLNA Council established this vision statement:

*Career and Technical Education in Region I generates well-informed, well-rounded talent. It brings together all of the partners, assets, and investments in the region to be aligned and responsive to the needs of industry and economic development. CTE provides both career exposure and training to create the best possible opportunities and outcomes for students and families.*

The Council further established priority status for these programs of study:

1. *Information Technology*
2. *Manufacturing*
3. *Agriculture*
4. *Transportation and Logistics*

Notes on the outcomes of the summit can be viewed at <https://nmcteclna.com>

The 2020 regional profile identified the six largest industries and the nine largest individual employers in the region. The largest industries in the region include:

- *Government and Government Enterprises*
- *Health Care and Social Assistance*
- *Retail Trade*
- *Agriculture, Forestry, Fishing and Hunting*
- *Accommodation and Food Service*
- *Transportation and Warehousing*

One of the unique characteristics of this region is the concentration of the Agricultural, Forestry, Fishing, and Hunting industry and the services that support it. For example, workers in this region are concentrated in the *Animal Production* industry at a rate more than 38 times the national average.

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

- *Eastern New Mexico University*
- *Vestas Sagamore Project*
- *Southwest Cheese*
- *Plains Regional Medical Center*
- *Walmart*

### **Demographics**

As noted in the 2020 report, the region continues to age. Each segment of the population except for under 10, and the 40-49 groups have aged. Since 2010, the number of those older than 65 has increased by 11.2%.

More than 53% of the population in the region that is 25 years or older has 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 (20.3%) is significantly lower than the national average of 33.1%.

Since last year's report, the percentage with a bachelor's degree or higher has ticked up from 20.2% to 20.3%, while those without a high school diploma is down slightly from 20.2% to 17.8%.

### **The Employers**

The public sector is far and away the largest employer in the region. Specifically, local government and education provide the largest numbers of jobs. Health care is also particularly large and demand for certain components of the sector continue to be driven by shifting demographics. Emergency and Other Relief Services industries employ the regional workforce at a rate of nearly 10 times the national average.

### **Employment Projections**

Several of the occupations expected to grow the most in coming years are found in the *Health Care Support* family, including *Registered Nurses*, *Nursing Assistants* and *Medical Assistants*.

### **The Talent Development Ecosystem**

Finally, the report evaluated the regional talent development ecosystem by aligning emerging talent supply from postsecondary institutions to the projected demand for occupations related to each program. The largest deficits, or differences between emerging supply and projected demand were found in occupational programs, including *Health Services/Allied Health/Health Sciences*, *General Retailing and Retail Operations* and *Home Health Aide/Home Attendant*.

# The People

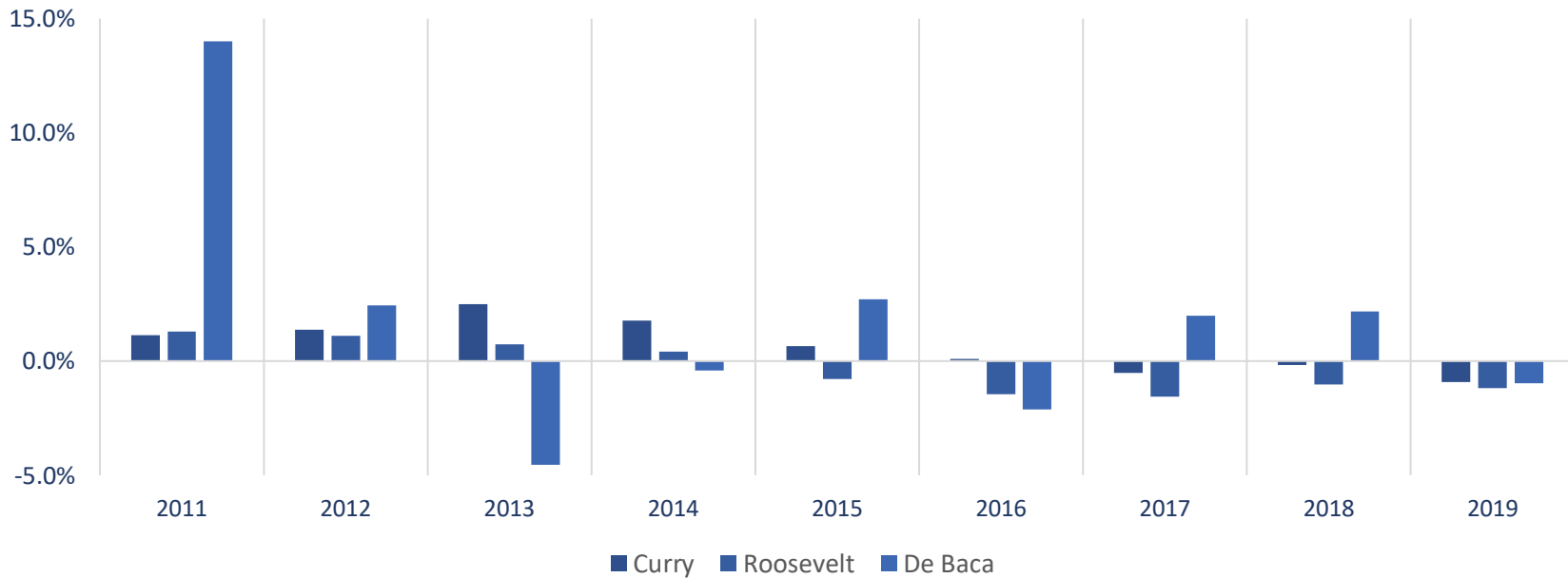
## Population

There are 3,508 students enrolled in grades 9-12 across the region’s eight school districts. Trends in the region’s population will have an obvious effect on that enrollment and warrants regular analysis. CTE Region I has seen uneven population trends over recent years, with only Curry County experiencing slightly net positive growth since 2010. Combined, the region’s population has increased 3.8% since that time. including a 2.4% decline in Roosevelt County.

**Table 1: Population by County, 2010-2019**

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Curry	46,924	47,453	48,101	49,302	50,173	50,497	50,544	50,283	50,199	49,732
Roosevelt	19,372	19,622	19,840	19,984	20,065	19,908	19,618	19,313	19,117	18,888
De Baca	1,772	2,020	2,069	1,975	1,967	2,020	1,977	2,016	2,060	2,040

**Population by Percentage Change, by Year**



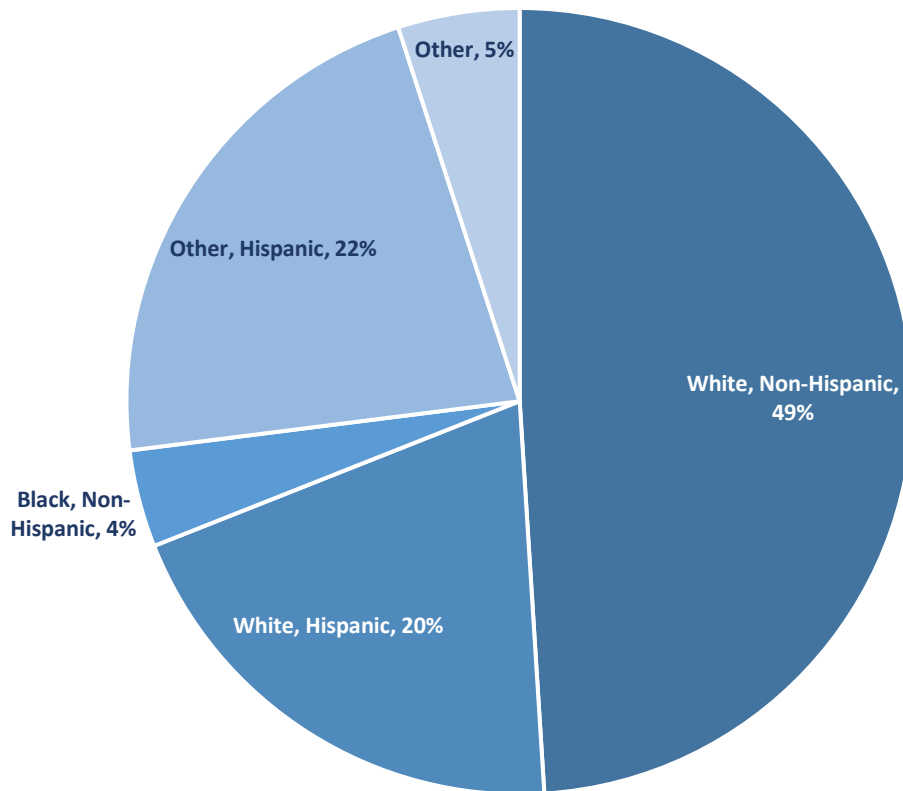


## Race and Ethnicity

Table 2: Population, by Race and Ethnicity

Race/Ethnicity	2010 Population	2019 Population	Change	% Change	2019 % of Total
White, Non-Hispanic	36,911	34,382	-2,529	-7%	48.66%
White, Hispanic	10,093	14,259	4,166	41%	20.18%
Black, Non-Hispanic	3,256	2,951	-305	-9%	4.18%
American Indian, Hispanic	465	199	-266	-57%	0.28%
Other, Hispanic	15,343	15,560	217	1%	22.02%
Other	2,000	3,309	1,309	65%	4.68%

Percentage, by Race, 2019



## Age

It is notable that the population of the region is aging. The youngest age bands have declined in recent years, while those 65 years and older have increased significantly (11.8%) since 2010.

**Table 3: Population, by Age**

Age Cohort	2010 Population	2019 Population	Change	% Change	2019 % of Cohort
Under 10	10,750	10,657	-93	-0.9%	15.1%
10-19	10,209	10,297	88	0.9%	14.6%
20-29	11,595	13,168	1,573	13.6%	18.6%
30-39	8,174	9,879	1,705	20.9%	14.0%
40-49	8,272	6,711	-1,561	-18.9%	9.5%
50-64	10,821	10,834	13	0.1%	15.3%
65 and over	8,196	9,114	918	11.2%	12.9%

## Demographics-Educational Attainment

**Table 4: Population by Educational Attainment**

Education Level	Population
Less than 9 <sup>th</sup> Grade	7.8%
9 <sup>th</sup> Grade to 12 <sup>th</sup> Grade	10.7%
High School Diploma	27.3%
Some College	25.7%
Associate's Degree	8.3%
Bachelor's Degree	13.4%
Graduate Degree or Higher	6.9%

53% of the population in the region has 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 (20.3%) is significantly lower than the national average of 33.1%.

*United States Census Bureau, American Community Survey*

# The Employers

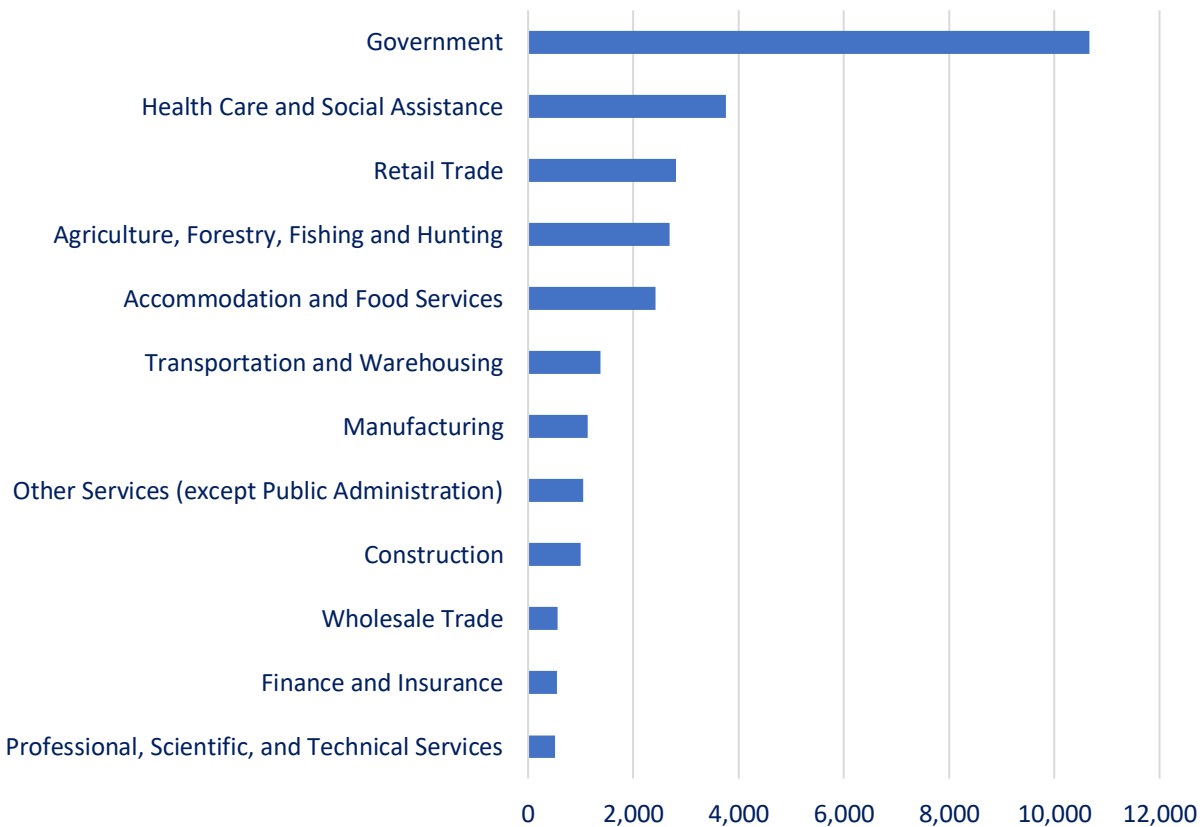
## Overview

The 2020 analysis included data on the largest industries in the region, with particular attention paid to the unique concentration of each industry compared to the national rate of employment in that industry. This approach provided an avenue by which to consider industries and occupations that may not have been the largest in a region, but that contributed to the character and aspirations of the community.

To gain perspective on the businesses who employ workers in Region I, 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.

### Employment, Top Industry Sectors



**Table 5: Components of Top Industry Sectors**

<b>Sector/Top Detailed Industries</b>	<b>2020 Jobs</b>	<b>Average Wages</b>	<b>Location Quotient</b>
<b>Government</b>			
Federal Government, Military	4,957	\$64,084	12.89
Elementary and Secondary Schools (Local Government)	1,633	\$62,102	1.16
Colleges, Universities, and Professional Schools (State Government)	982	\$46,688	1.83
Local Government, Excluding Education and Hospitals	918	\$53,846	0.82
Federal Government, Civilian, Excluding Postal Service	867	\$68,498	1.87
<b>Health Care and Social Assistance</b>			
Home Health Care Services	665	\$21,986	2.2
General Medical and Surgical Hospitals	580	\$101,680	0.6
Services for the Elderly and Persons with Disabilities	475	\$17,793	1.2
Nursing Care Facilities (Skilled Nursing Facilities)	300	\$40,633	1.0
Vocational Rehabilitation Services	247	\$36,444	3.9
Assisted Living Facilities for the Elderly	217	\$34,900	2.4
<b>Retail Trade</b>			
Supermarkets and Other Grocery (except Convenience) Stores	389	\$27,045	0.8
New Car Dealers	260	\$60,152	1.2
Gasoline Stations with Convenience Stores	256	\$35,652	1.5
Home Centers	156	\$30,073	1.1
Automotive Parts and Accessories Stores	106	\$44,830	1.4
<b>Agriculture, Forestry, Fishing and Hunting</b>			
Animal Production	2,228	\$47,196	38.0
Farm Labor Contractors and Crew Leaders	236	\$43,884	3.6
Crop Production	79	\$49,915	0.7
Postharvest Crop Activities (except Cotton Ginning)	60	\$35,982	3.4
Support Activities for Animal Production	43	\$46,502	7.1

Sector/Top Detailed Industries	2020 Jobs	Average Wages	Location Quotient
<b>Transportation and Warehousing</b>			
Rail transportation	429	\$111,148	10.2
Specialized Freight (except Used Goods) Trucking, Long-Distance	269	\$68,879	9.8
Specialized Freight (except Used Goods) Trucking, Local	170	\$57,648	3.7
Other Support Activities for Air Transportation	114	\$107,260	4.7
General Freight Trucking, Long-Distance, Truckload	105	\$63,766	1.0
<b>Manufacturing</b>			
Cheese Manufacturing	492	\$68,324	44.5
Roasted Nuts and Peanut Butter Manufacturing	96	\$41,119	30.5
Other Animal Food Manufacturing	79	\$68,060	11.4
Tortilla Manufacturing	70	\$30,402	18.2
Fluid Milk Manufacturing	52	\$64,912	4.9

### 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, Curry County, 2020**

Curry	2020 Jobs	Average Wages/ Earnings	Location Quotient	Age 45+
Federal Government, Military	4,910	\$64,454	16.7	4.9%
Animal Production	1,313	\$46,943	29.2	46.5%
Elementary and Secondary Schools (Local Govt)	1,252	\$61,151	1.2	56.0%
Federal Government, Civilian, Excluding Postal Service	852	\$68,647	2.4	54.2%
Limited-Service Restaurants	729	\$16,167	1.1	18.8%
Full-Service Restaurants	676	\$19,360	0.9	18.7%
Home Health Care Services	665	\$21,986	2.9	52.8%
Local Government, Excluding Education and Hospitals	592	\$55,229	0.7	37.5%
General Medical and Surgical Hospitals	580	\$101,694	0.8	44.2%
Colleges/Universities/Professional Schools (Local Govt)	422	\$31,427	4.2	34.6%

**Table 7: Employment by Industry, Roosevelt County, 2020**

Roosevelt	2020 Jobs	Average Wages/ Earnings	Location Quotient	Age 45+
Colleges/Universities/Professional Schools (State Govt)	921	\$46,510	7.9	38.3%
Animal Production	886	\$46,666	69.3	41.2%
Hospitals (Local Government)	427	\$78,698	14.5	35.9%
Limited-Service Restaurants	373	\$15,466	2.0	16.3%
Elementary and Secondary Schools (Local Govt)	323	\$66,805	1.1	56.0%
Local Government, Excluding Education and Hospitals	248	\$52,994	1.0	37.9%
Specialized Freight Trucking, Long-Distance	200	\$70,881	33.5	54.9%
Warehouse Clubs and Supercenters	196	\$33,852	3.1	38.2%
Full-Service Restaurants	153	\$15,706	0.7	20.3%
Cheese Manufacturing	137	\$70,216	57.0	46.7%

**Table 8: Employment by Industry, De Baca County, 2020**

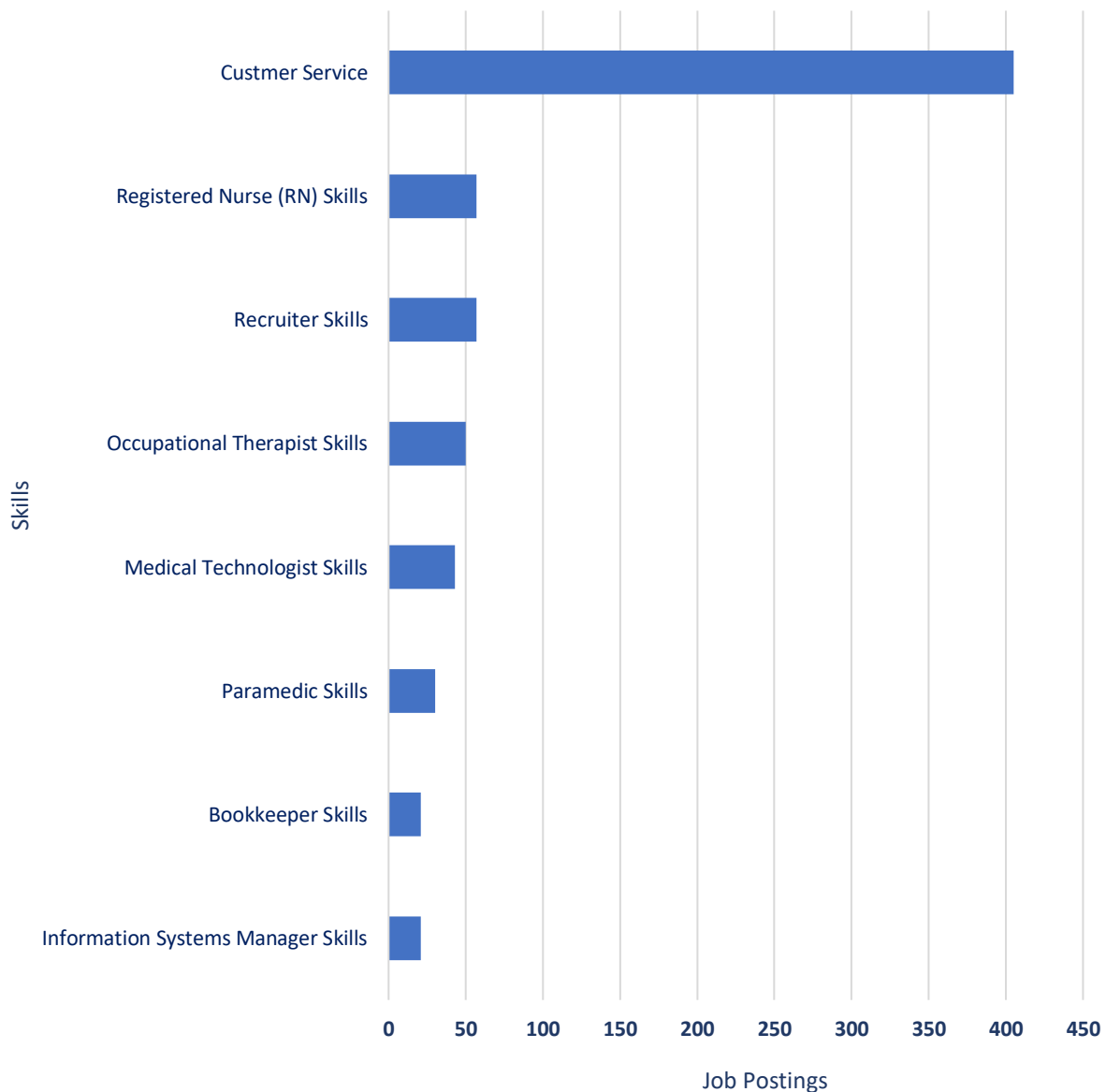
<b>De Baca</b>	<b>2020 Jobs</b>	<b>Average Wages/ Earnings</b>	<b>Location Quotient</b>	<b>Age 45+</b>
Local Government, Excluding Education and Hospitals	78	\$46,092	4.3	N/A
Elementary and Secondary Schools (Local Govt)	57	\$56,313	2.5	N/A
All Other Outpatient Care Centers	39	\$52,462	64.4	N/A
Animal Production	29	\$75,171	30.5	N/A
Supermarkets and Other Grocery Stores	27	\$35,687	3.3	N/A
State Government, Excluding Education and Hospitals	19	\$59,341	2.7	N/A
Religious Organizations	18	\$10,800	3.4	N/A
Brick, Stone, and Construction Material Wholesalers	14	\$43,799	71.4	N/A
Farm Labor Contractors and Crew Leaders	12	\$46,470	11.7	N/A
Gasoline Stations with Convenience Stores	12	\$31,850	4.4	N/A

## Job Postings Analysis

On April 5, 2021, an analysis of all 1,134 job postings across Region I was conducted using the New Mexico Department of Workforce Solutions online system. The analysis provides a number of perspectives on the priorities of regional employers.

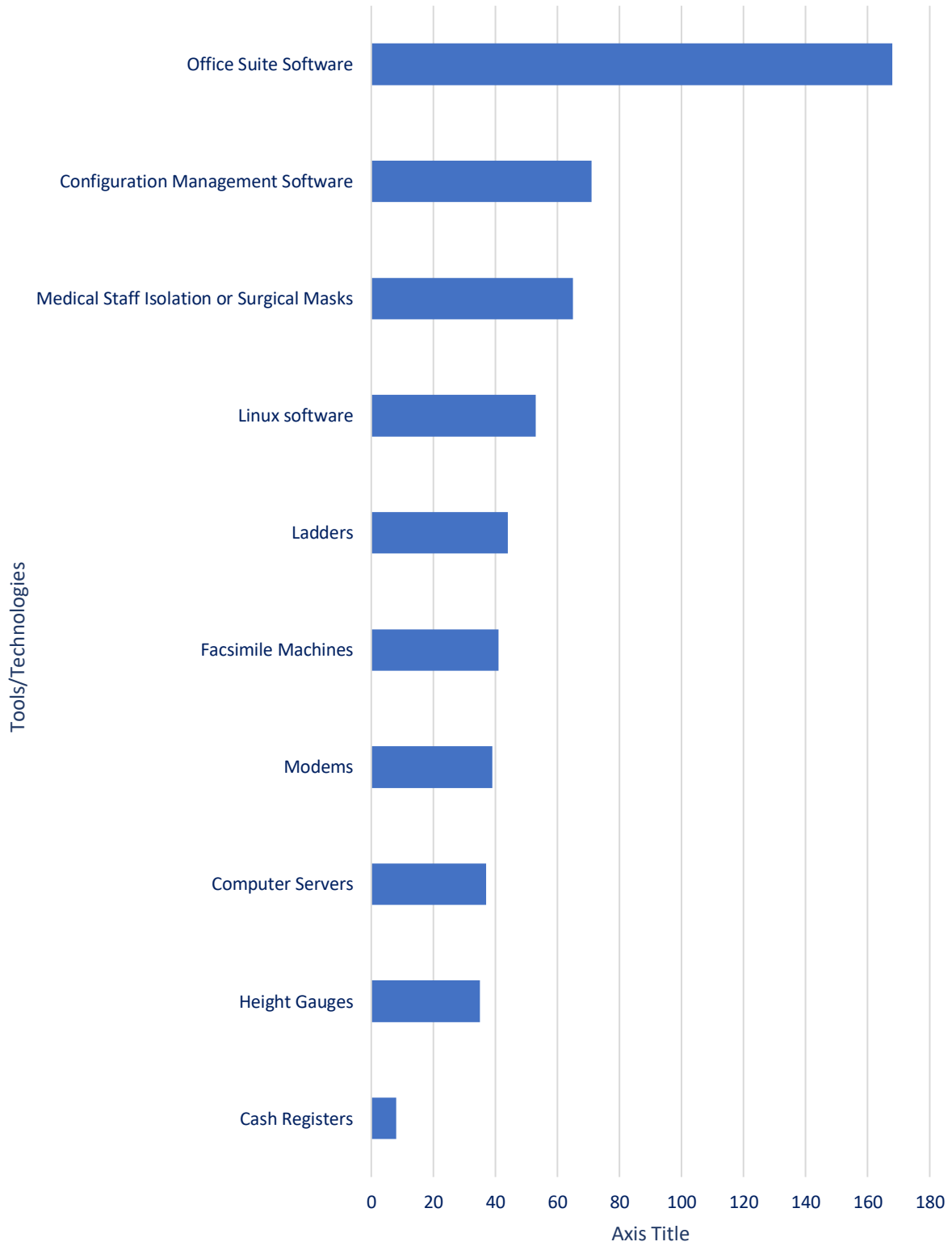
- By a wide margin, the most-requested skill of any kind was customer service.
- Among technical skills, Registered Nurse and Medical Technologist were among the most frequently found.
- Paramedic skills and Recruiter Skills are also a priority of the region’s employers.

**Skills Found in Regional Job Postings, April 5, 2021**





### Tools and Technologies Found in Regional Job Postings, April 5, 2021



**Table 9: Employers with Current Job Openings**

Employer	County	Job Postings
University of New Mexico	Roosevelt	1025
Presbyterian Healthcare Services	Roosevelt	961
Ardent Health Services	Roosevelt	385
University of New Mexico Hospitals	Roosevelt	195
Sandia National Laboratories	Roosevelt	158
Chalk Mountain Services of Texas, LLC	Roosevelt	124
Amazon.com Services Inc.	Roosevelt	88
Genesis HealthCare	Roosevelt	85
Clovis Community College	Curry	82
The State of New Mexico	Roosevelt	82
The Evangelical Lutheran Good Samaritan Society	Roosevelt	81
ECS	Roosevelt	78
ECS Corporate Services, LLC	Roosevelt	74
Dollar Tree, Inc.	Roosevelt	73
Sandia Resort and Casino	Roosevelt	65
Wendy's International, Inc.	Roosevelt	60
Healthcare Services Group, Inc.	Roosevelt	58
IT Postmaster	Roosevelt	57
McDonald's Corporation	Roosevelt	57
City of Albuquerque, NM	Roosevelt	56
The United Family	Roosevelt	56

## The Jobs

### Occupational Employment

The 2020 analysis used the New Mexico Department of Workforce Solutions 2016-2026 employment projections. Since that report, the 2018-2028 projections have been released, and this report mines those data for intelligence on the region's high-growth occupations.

Another instrument of the New Mexico Department of Workforce Solutions that provides valuable perspective on career opportunities in this region is 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 10: Occupation Employment, 2010-2020**

Description	2010 Jobs	2020 Jobs	2010 - 2020 Change	2010 - 2020 % Change	Annual Openings	Median Annual Earnings
Military-only occupations	1,973	2,530	556	28%	331	\$38,454
Home Health and Personal Care Aides	982	1,095	114	12%	189	\$20,482
Farmworker/Laborer, Crop-Nursery/Greenhouse	827	903	76	9%	158	\$19,385
Secretaries and Administrative Assistants	695	892	197	28%	113	\$31,121
Fast Food and Counter Workers	376	890	514	137%	179	\$17,580
Retail Salespersons	826	723	-103	-12%	111	\$21,697
Cashiers	678	680	1	0%	126	\$22,178
Heavy and Tractor-Trailer Truck Drivers	552	675	123	22%	83	\$37,875
Farmers, Ranchers, Other Agricultural Managers	527	543	16	3%	58	\$66,117
Registered Nurses	378	543	165	44%	42	\$70,966
Postsecondary Teachers	460	455	-5	-1%	54	\$61,837
Janitors and Cleaners	500	455	-45	-9%	61	\$23,766
Waiters and Waitresses	460	444	-16	-4%	93	\$17,647
General and Operations Managers	400	387	-12	-3%	36	\$84,763
Maintenance and Repair Workers, General	354	372	17	5%	37	\$32,043
Stockers and Order Fillers	350	345	-6	-2%	48	\$23,627
Farmworkers-Farm/Ranch/Aquacultural Animals	258	345	86	33%	59	\$23,649
Office Clerks, General	477	325	-152	-32%	52	\$20,093
Laborers and Freight/Stock/Material Movers	312	311	-1	0%	44	\$26,620
Bookkeeping, Accounting, and Auditing Clerks	435	294	-141	-32%	37	\$33,482
Teaching Assistants, Except Postsecondary	316	266	-51	-16%	30	\$19,023
Cooks, Restaurant	175	263	88	50%	41	\$21,804

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 11: Projected Change, Occupations, 2018-2028**

High Quality Career	2018 Jobs	2028 Jobs	New Jobs	% Change	Annual Openings	Average Earnings
<b>Health Care Practitioners and Technical Occupations</b>						
Home Health and Personal Care Aides	876	1,499	623	71%	226	\$20,482
Nursing Assistants	243	296	53	22%	34	\$27,729
Medical Assistants	135	169	34	25%	19	\$28,643
Physical Therapist Assistants	13	27	14	108%	4	\$35,682
Phlebotomists	26	32	6	24%	4	\$29,323
<b>Healthcare Support Occupations</b>						
Home Health and Personal Care Aides	739	1,062	323	44%	152	\$20,512
Nursing Assistants	211	253	43	20%	28	\$26,798
Medical Assistants	145	186	41	28%	22	\$29,349
Physical Therapist Assistants	18	32	15	81%	4	\$38,503
Dental Assistants	74	79	5	6%	9	\$33,190
<b>Transportation and Material Moving Occupations</b>						
Heavy and Tractor-Trailer Truck Drivers	676	720	44	7%	76	\$37,875
Passenger Vehicle Drivers	108	133	25	23%	16	\$22,501
Airline Pilots, Copilots, and Flight Engineers	100	121	21	21%	13	\$163,218
Cleaners of Vehicles and Equipment	87	103	16	19%	14	\$22,719
First-Line Supervisors-Transportation and Material Moving	75	91	16	21%	9	\$56,519
Railroad Conductors and Yardmasters	70	81	11	16%	8	\$83,454
Commercial Pilots	42	50	8	19%	5	\$93,355

High Quality Career	2018 Jobs	2028 Jobs	New Jobs	% Change	Annual Openings	Average Earnings
<b>Installation, Repair, and Maintenance Occupations</b>						
Maintenance and Repair Workers, General	354	403	49	13.9%	38	\$32,043
Aircraft Mechanics and Service Technicians	175	207	33	18.7%	18	\$59,002
Industrial Machinery Mechanics	93	117	24	25.5%	11	\$50,493
Bus and Truck Mechanics and Diesel Engine Specialists	112	132	20	17.8%	12	\$42,334
Avionics Technicians	38	55	17	45%	5	\$62,900
<b>Business and Financial Operations Occupations</b>						
Human Resources Specialists	149	166	17	11%	16	\$42,879
Logisticians	143	160	17	12%	14	\$79,773
Market Research Analysts and Marketing Specialists	33	49	16	47%	5	\$42,987
Management Analysts	33	46	13	40%	5	\$55,349
Project Management & Business Operations Specialists	160	169	9	6%	16	\$56,767
Accountants and Auditors	85	92	7	9%	8	\$54,332

## The Talent Development Ecosystem

The 2020 analysis aligned the emerging talent supply with projected occupation-driven demand to evaluate workforce equilibrium for the region. It compared the number of awards from the region's most popular college programs of study to the projected number of job openings in related occupations.

This year's analysis will leverage the most recent completions data from the National Center for Education Statistics to supplement the equilibrium analysis with perspective on trends in enrollment and completions in the region's most critical programs of study.

Data from the 2019-2020 academic year are aggregated from the region's two degree-granting institutions:

- Eastern New Mexico University
- Clovis Community College

## Workforce Equilibrium

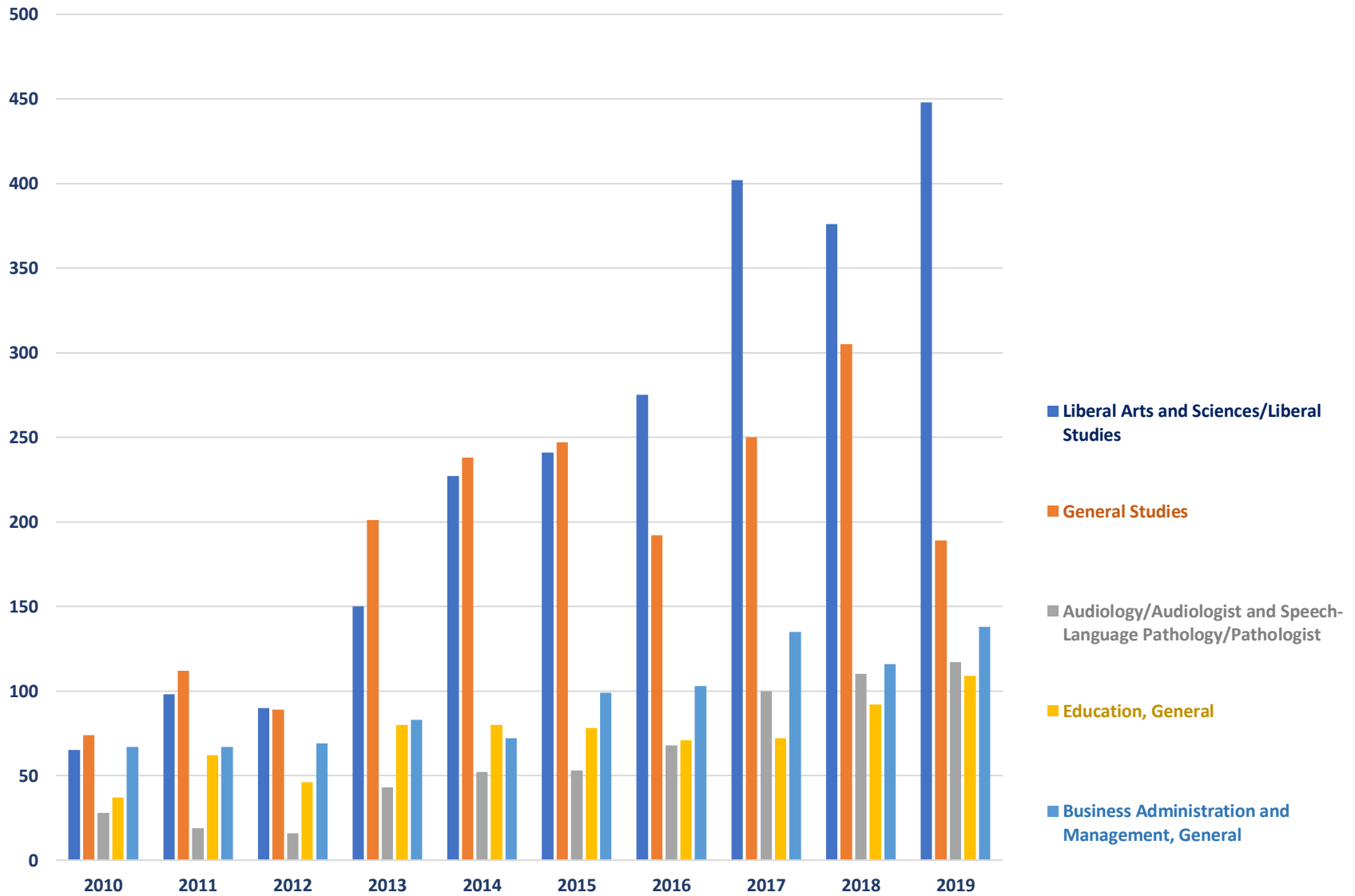
Finally, we use a crosswalk from the United States Department of Education to estimate the balance between the region's emerging supply of qualified talent and projected demand for workers with relevant skills. The difference between awards in a program and the aggregated number of openings in related 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 12: Program Completions, 2010-2019**

CIP Code	Program Description	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2010-2019 Change	% Change
24.0101	Liberal Arts and Sciences/Liberal Studies	65	98	90	150	227	241	275	402	376	448	383	589%
24.0102	General Studies	74	112	89	201	238	247	192	250	305	189	115	155%
51.0204	Audiology and Speech-Language Pathology	28	19	16	43	52	53	68	100	110	117	89	318%
13.0101	Education, General	37	62	46	80	80	78	71	72	92	109	72	195%
52.0201	Business Administration and Management, General	67	67	69	83	72	99	103	135	116	138	71	106%
13.1501	Teacher Assistant/Aide	0	0	10	7	3	8	22	53	50	65	65	550%
51.3801	Registered Nursing/Registered Nurse	61	29	71	94	99	126	98	93	132	114	53	87%
51.0810	Emergency Care Attendant (EMT Ambulance)	0	0	0	2	37	47	53	39	84	49	49	N/A
12.0401	Cosmetology/Cosmetologist, General	2	56	67	65	62	79	77	61	57	49	47	2350%
51.3901	Licensed Practical/Vocational Nurse Training	35	35	62	67	71	57	15	91	67	80	45	129%
51.0000	General Health Services & Sciences/Allied Health	0	0	0	0	0	0	0	0	0	43	43	N/A
51.1503	Clinical/Medical Social Work	0	0	23	15	27	27	24	31	41	40	40	N/A
51.1009	Phlebotomy Technician/Phlebotomist	0	0	0	0	0	0	0	0	11	39	39	N/A
11.0101	Computer and Information Sciences, General	6	5	8	176	117	42	54	42	48	40	34	567%
13.1314	Physical Education Teaching and Coaching	10	20	26	22	26	32	28	37	45	42	32	320%
51.3902	Nursing and Patient Care Assistant/Aide	0	0	0	137	162	93	42	31	39	30	30	N/A
12.0410	Nail Technician/Specialist and Manicurist	0	0	24	22	22	25	35	32	23	22	22	N/A
48.0508	Welding Technology/Welder	0	8	20	20	24	26	21	24	32	22	22	N/A
15.0406	Automation Engineer Technology/Technician	0	0	11	10	25	8	18	20	16	18	18	N/A
47.0604	Automotive Mechanics Technology/Technician	0	7	15	20	24	11	21	16	8	18	18	N/A

### Top Five Programs, by Completions, 2010-2019





**Table 13: Program Awards and Openings in Related Occupations, 20 Largest Programs**

Description	2019 Awards	Openings-Related Occupations	2020 Jobs	Equilibrium Value
Liberal Arts and Sciences/Liberal Studies	448	56	455	392
General Studies	189	0	0	189
Business Administration and Management, General	138	91	866	47
Audiology and Speech-Language Pathology/Pathologist	117	2	25	115
Registered Nursing/Registered Nurse	114	42	543	72
Education, General	109	117	1,120	(8)
Licensed Practical/Vocational Nurse Training	80	11	105	69
Teacher Assistant/Aide	65	30	266	35
Cosmetology/Cosmetologist, General	49	7	42	42
Emergency Care Attendant (EMT Ambulance)	49	11	89	38
Health Services/Allied Health/Health Sciences, General	43	406	3,105	(363)
Physical Education Teaching and Coaching	42	31	316	11
Computer and Information Sciences, General	40	21	183	19
Clinical/Medical Social Work	40	19	131	21
Phlebotomy Technician/Phlebotomist	39	4	35	35
Speech Communication and Rhetoric	37	6	30	31
Biology/Biological Sciences, General	36	3	23	33
Criminal Justice/Safety Studies	34	6	51	28
Psychology, General	33	2	21	31
Nursing Assistant/Aide and Patient Care Assistant/Aide	30	37	257	(7)
Special Education and Teaching, General	24	64	412	(40)

**Table 14: Program Awards and Openings in Related Occupations, Largest Equilibrium Deficit**

Description	2019 Awards	Openings-Related Occupations	2020 Jobs	Equilibrium Value
Terrorism and Counterterrorism Operations	0	412	3,199	(412)
Health Services/Allied Health/Health Sciences, General	43	406	3,105	(363)
Retailing and Retail Operations	0	348	2,121	(348)
Food Service and Dining Room Management/Manager	0	347	1,708	(347)
Cooking and Related Culinary Arts, General	0	320	1,900	(320)
Food Preparation/Professional Cooking/Kitchen Assistant	0	282	1,378	(282)
Institutional Food Workers	0	264	1,289	(264)
Selling Skills and Sales Operations	0	205	1,288	(205)
Foods, Nutrition, and Wellness Studies, General	0	188	1,107	(188)
Home Health Aide/Home Attendant	0	186	1,095	(186)
Floriculture/Floristry Operations and Management	0	144	951	(144)
Sales, Distribution, and Marketing Operations, General	0	138	909	(138)
Truck, Bus Driver/Commercial Vehicle Operator and Instructor	0	136	1,072	(136)
Agroecology and Sustainable Agriculture	0	131	1,082	(131)
Viticulture and Enology	0	131	1,071	(131)
General Office Occupations and Clerical Services	0	127	839	(127)
Construction Trades, General	0	126	705	(126)
Administrative Assistant and Secretarial Science, General	0	122	937	(122)
Executive Assistant/Executive Secretary	0	122	937	(122)
Retail Management	0	122	1,067	(122)

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