



**2025**

# **SIERRA COMMUNITY COLLEGE DISTRICT PROFILE**

*Assessment of Postsecondary Educational  
Opportunities Aligned with Local Labor Markets*

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# INTRODUCTION

The North Far North Center of Excellence (NFN COE) has produced 12 community college district/college profiles to assist with collaborative efforts to enhance career education (CE) programs and facilitate alignment with labor market opportunities specific to each community college district's service area in the North Far North Region, which encompasses 22 counties stretching from the city of Sacramento north to California's border with Oregon. These district/college profiles present an assessment of labor market demand and the supply of community college awards (degrees and certificates) from programs aligned with the 12 sectors designated by the California Community Colleges Chancellor's Office (CCCCO).

## District Profiled

The Sierra Community College District (Sierra CCD) serves as an educational hub in Nevada and Placer Counties, offering a variety of programs to meet the diverse needs of students and the region's workforce. The district operates **Sierra College**, with its main campus located in Rocklin (Placer County), along with two additional instructional sites in Nevada County:

- Nevada County Campus in Grass Valley
- Tahoe-Truckee Campus in Truckee

Through these institutions, Sierra CCD provides education and training opportunities that support student success, economic development, and community engagement across urban, suburban, foothill, and mountain areas of the Greater Sacramento and Sierra Nevada.

## "Focus" Occupations

This analysis examines the extent to which district programs are meeting workforce needs through a sector-by-sector analysis that highlights "focus" occupations, middle-skill jobs aligned with district programs that either have robust employment demand or that pay above a living wage threshold, or that meet both criteria.

Requiring education and training beyond a high school diploma but less than a bachelor's degree, middle-skill jobs constitute an essential component of the overall workforce and are considered a vital component of a strong labor market since an insufficient number of middle-skill workers can substantially constrain economic growth. Moreover, these jobs are aligned with community college education and can provide pathways to stable, well-paid employment for students.

By highlighting "focus" occupations, it is possible to measure how effectively students are being prepared for career opportunities that match local labor market needs. Additionally, this type of analysis can be applied toward addressing critical workforce shortages through program development.

For comparison purposes, each profile provides a breakdown showing the share of middle-skill jobs alongside the share of below-middle-skill jobs (those requiring a high school diploma or less) and above-middle-skill jobs (those requiring a bachelor's degree or higher). The analysis presents the occupational titles and Standard Occupational Classification (SOC) codes assigned to the 796 occupations catalogued by the Bureau of Labor Statistics. Also provided are the Taxonomy of Programs codes associated with each community college program that align with these occupations.

## A Well-Equipped Future Workforce

By highlighting the district's alignment with local economic needs, this report aims to provide a comprehensive look at how the district supports the prosperity of students and the broader North Far North regional economy. While regional reports produced by the NFN COE offer valuable insights for broad decision making, this series is designed to go a step further by focusing on individual districts and the counties which they serve.

By examining distinct characteristics of each district, these profiles deliver insights tailored to the specific educational and workforce needs of the communities in which the districts are situated. These important findings can inform future investments by community college districts and support strategies implemented through the Strong Workforce Program (SWP) Regional Plan, ensuring that students gain the skills and knowledge necessary to thrive in promising careers.



# OCCUPATIONAL DATA ANALYSIS

## Occupational Landscape

The district service area (Nevada and Placer Counties) accounted for 249,626 out of nearly 1.7 million jobs in 2023, representing 15% of all jobs in the North Far North Region.<sup>1</sup> The number of jobs in the district service area is expected to grow by 10% through 2028, resulting in 34,898 projected annual openings.

### District Service Area: Key Facts

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**249,626**

Number of Jobs  
in 2023



**+25,854**

5-Year Change  
in Jobs through  
2028



**10%**

5-Year Percent  
Change in Jobs



**34,898**

Annual  
Openings  
(2023-2028)



**19,443**

Business  
Establishments



**204 of 796**

Occupations meet or  
exceed the Living Wage  
(\$28.33/hour)

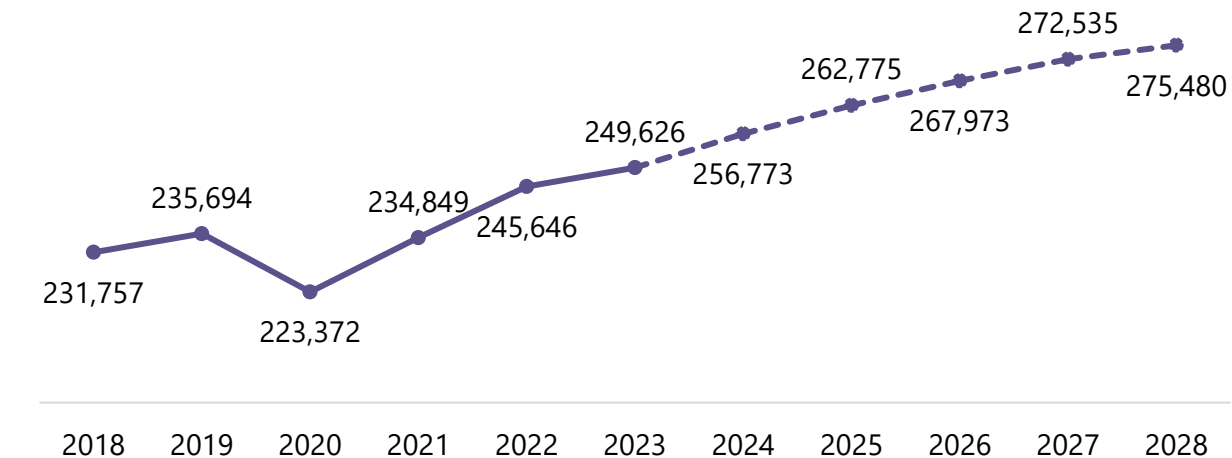
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<sup>1</sup> Labor market data presented in this profile is sourced from the economic modeling firm and job postings aggregator Lightcast. Data source: Lightcast 2024.3; QCEW, non-QCEW, and Self-Employed.

# Historical and Projected Employment

Between 2018 and 2023, employment in the district service area (Nevada and Placer Counties) increased from 231,757 jobs to 249,626 (Exhibit 1). Employment is projected to increase to 275,480 jobs by 2028, representing the addition of more than 25,000 jobs.

**Exhibit 1: Historical employment and projected occupational demand in the district service area, 2018-2028**

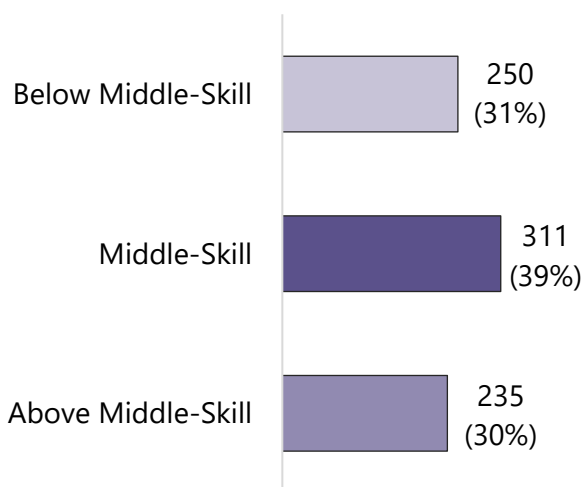


Source: Lightcast 2024.3, QCEW Employees, Non-QCEW Employees, and Self Employed

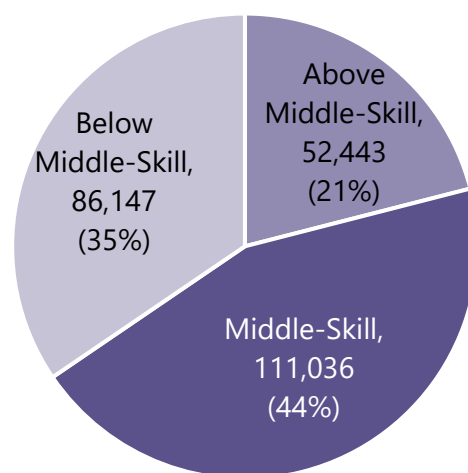
## Jobs by Skill Level

Of the 796 occupations classified by the Bureau of Labor Statistics, 311 (39%) are middle-skill, 250 (31%) are below middle-skill, and 235 (30%) are above middle-skill occupations (Exhibit 2). In 2023, the 311 middle-skill occupations accounted for 111,036 out of 249,626 jobs, constituting 44% of the total workforce in the district service area (Nevada and Placer Counties) (Exhibit 3).

**Exhibit 2: Number of occupations by skill level**



**Exhibit 3: Share of 2023 jobs by skill level**



Source: Lightcast 2024.3, QCEW Employees, Non-QCEW Employees, and Self Employed

## Focus Occupations

This section of the report highlights 177 "focus occupations," representing 22% of all occupations within the district service area that either meet or exceed the median number of jobs (based on sector) in the service area or surpass the living wage of \$28.33/hour in Placer County, or both. Collectively, these 177 occupations accounted for 105,999 jobs in 2023, making them a critical component of the district service area (Nevada and Placer Counties) workforce.

**105,999**

Number of  
2023 Jobs in Focus  
Occupations

**13,954**

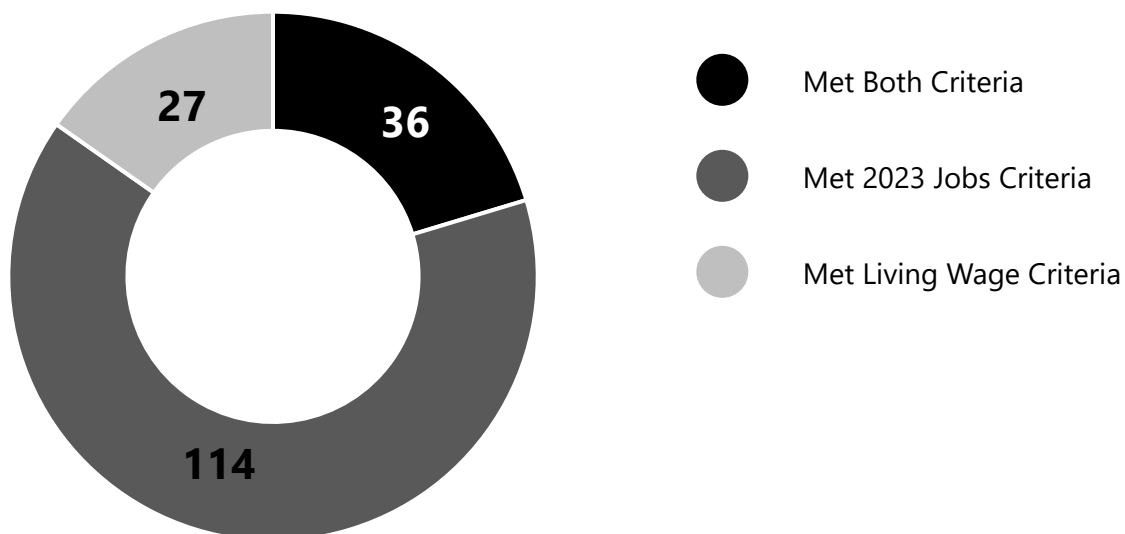
Annual Openings in Focus  
Occupations  
(2023-2028)

**42%**

Share of Total Jobs in 2023

These focus occupations underscore their importance by comprising 42% of all jobs in 2023 (Nevada and Placer Counties) and demonstrating strong growth potential, with 13,954 annual openings projected each year through 2028. By targeting these middle-skill jobs, this report highlights occupations that not only support economic stability and growth but also present significant opportunities for workforce development. This focused analysis provides a roadmap for addressing the labor market needs of the district service area, thereby contributing to subregional and regional competitiveness and the prosperity of students entering employment from community college programs.

**177**  
Occupations





# Focus Occupations by CCCCCO Sector

The 177 focus occupations identified in this report span the 12 CCCCCO sectors, with the Health sector accounting for 31 occupations, the most of any sector. The Business and Entrepreneurship sector had the highest number of jobs in 2023 (34,672) and annual job openings (4,217). The Health sector had the highest projected change in jobs (20%), while the ICT/Digital Media sector had the highest weighted entry-level hourly wage (\$31.07) of all sectors. Exhibit 4 shows the sectors represented by these 177 occupations, sorted alphabetically by sector.

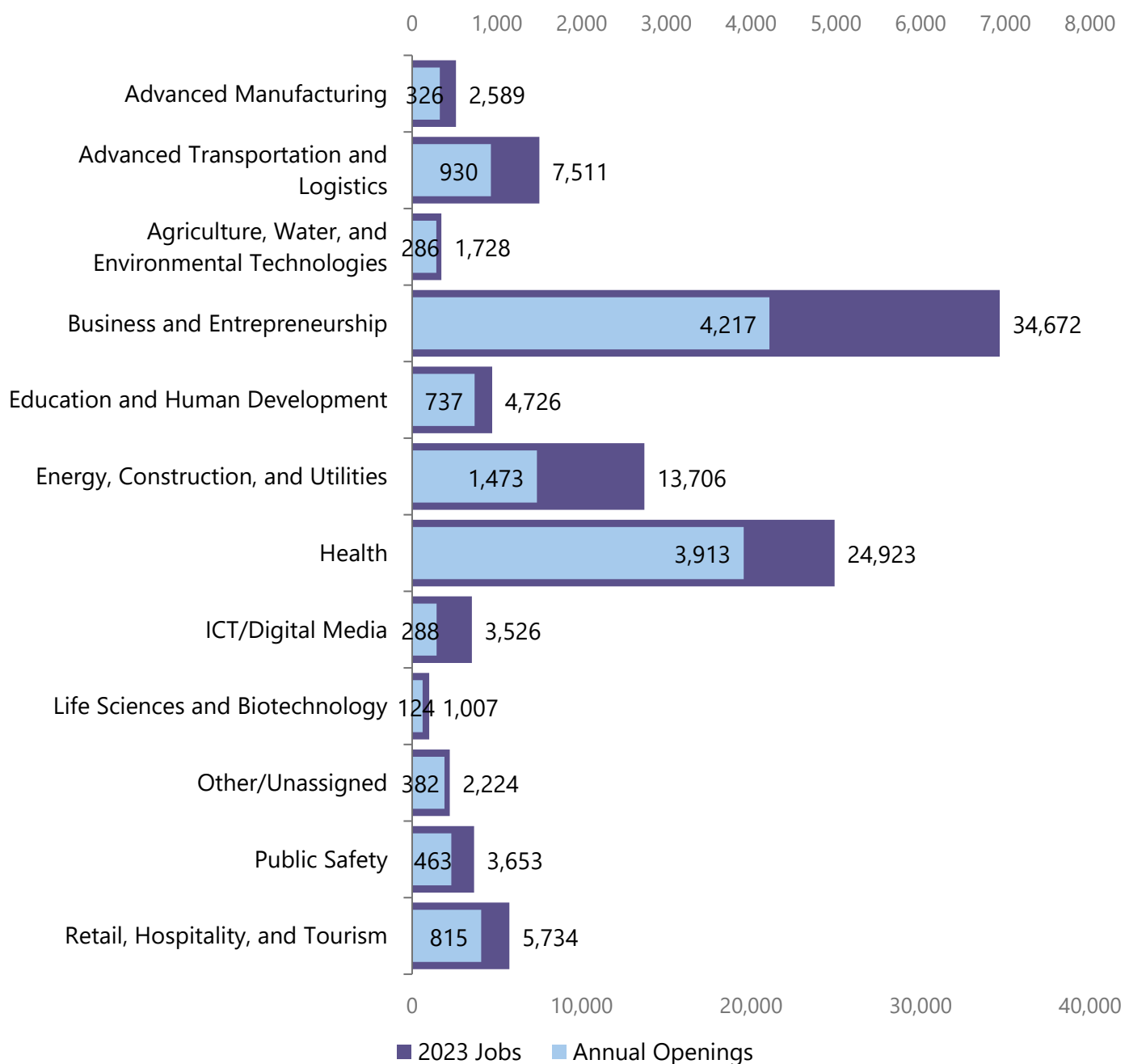
**Exhibit 4: Current employment, projected occupational demand, and entry-level wages of focus occupations by CCCCCO sector**

Sector	Number of Focus Occupations	2023 Jobs	5-Year Change	5-Year % Change	Annual Openings	Entry-Level Hourly Wage
Advanced Manufacturing	18	2,589	309	12%	326	\$23.60
Advanced Transportation and Logistics	19	7,511	889	12%	930	\$25.03
Agriculture, Water, and Environmental Technologies	10	1,728	217	13%	286	\$19.50
Business and Entrepreneurship	28	34,672	2,241	6%	4,217	\$23.80
Education and Human Development	4	4,726	411	9%	737	\$17.12
Energy, Construction, and Utilities	30	13,706	1,138	8%	1,473	\$25.44
Health	31	24,923	4,887	20%	3,913	\$29.26
ICT/Digital Media	9	3,526	184	5%	288	\$31.07
Life Sciences and Biotechnology	4	1,007	117	12%	124	\$22.66
Other/Unassigned	7	2,224	259	12%	382	\$20.50
Public Safety	11	3,653	452	12%	463	\$29.39
Retail, Hospitality, and Tourism	6	5,734	499	9%	815	\$19.70
<b>Total</b>	<b>177</b>	<b>105,999</b>	<b>11,603</b>	<b>11%</b>	<b>13,954</b>	<b>\$25.14</b>

Source: Lightcast 2024.3, QCEW Employees, Non-QCEW Employees, and Self Employed

Exhibit 5 shows the 2023 job counts and annual openings for each of the 12 CCCC sectors in the district service area. Business and Entrepreneurship had the highest number of jobs in 2023 (34,672) and highest number of job openings (4,217), while the Life Sciences and Biotechnology sector shows the lowest.

**Exhibit 5: Total number of 2023 jobs and annual openings by CCCC sector in the district service area**



Source: Lightcast 2024.3, QCEW Employees, Non-QCEW Employees, and Self Employed

# SUPPLY AND DEMAND COMPARISON BY CCCCCO SECTOR

In this section, the number of educational awards (degrees and certificates) conferred, otherwise known as supply, by Sierra Community College District is compared to the annual openings (demand) of the 177 occupations analyzed in this report by sector. Examining the supply in relation to demand is crucial to understanding labor gaps and areas of opportunity that can be addressed by educational programs throughout the local and greater region. Labor gaps are defined as the difference between supply and demand.

Among the 12 sectors, Business and Entrepreneurship boasts the most substantial gap (3,712), followed by Health (3,267). In contrast, the ICT/Digital Media sector shows the lowest gap (38).

Supply data reflects only community college awards and does not include completions from non-community college institutions, providing a partial view of the total workforce supply. Exhibit 6 shows the breakdown of annual openings compared to supply by sector.

**Exhibit 6: Annual openings and awards conferred in the district service area, by CCCCCO sector**

Sector	Annual Openings	Sierra CCD 3-Year Average (2021-2024)
Advanced Manufacturing	326	66
Advanced Transportation and Logistics	930	1
Agriculture, Water, and Environmental Technologies	286	23
Business and Entrepreneurship	4,217	505
Education and Human Development	737	95
Energy, Construction, and Utilities	1,473	20
Health	3,913	646
ICT/Digital Media	288	250
Life Sciences and Biotechnology	124	0
Other/Unassigned	382	3
Public Safety	463	275
Retail, Hospitality, and Tourism	815	16

Source: Lightcast 2024.3, QCEW Employees, Non-QCEW Employees, and Self Employed and California Community Colleges Chancellor's Office Management Information Systems DataMart

# ADVANCED MANUFACTURING



## Community College Supply

### Employment Demand

**2,589**

Jobs in 2023

**326**

Annual Openings

**66**

Awards



### 18 Advanced Manufacturing Occupations

**2**

met both criteria

**16**

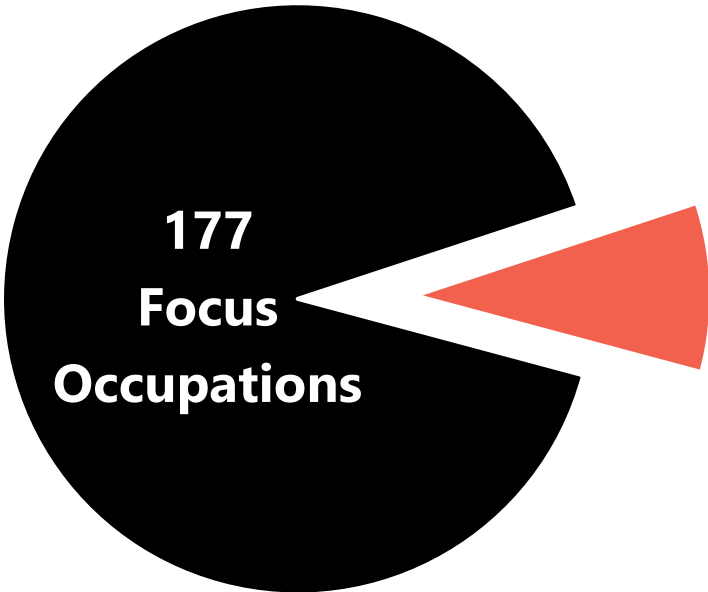
met 2023 jobs criteria

**0**

met living wage criteria



**177**  
Focus  
Occupations





# Demand

In 2023 in the district service area, there were 2,589 jobs in the 18 focus occupations in Advanced Manufacturing. Exhibit 7 shows the annual openings and wage for each occupation.

**Exhibit 7: Current employment, projected occupational demand, and entry-level wages of focus occupations in Advanced Manufacturing**

Criteria Met	SOC	Occupation	2023 Jobs	5-Year Change	Annual Openings	Entry-Level Hourly Wage
Both	49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	100	19	12	\$44.93
	49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	58	1	5	\$29.32
2023 Jobs	51-1011	First-Line Supervisors of Production and Operating Workers	479	75	63	\$27.15
	51-4121	Welders, Cutters, Solderers, and Brazers	464	65	61	\$21.84
	51-4041	Machinists	240	44	35	\$19.68
	49-9041	Industrial Machinery Mechanics	236	53	31	\$27.77
	51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	280	(13)	29	\$17.45
	51-9161	Computer Numerically Controlled Tool Operators	118	20	15	\$20.64
	17-3023	Electrical and Electronic Engineering Technologists and Technicians	114	1	11	\$28.07
	51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	66	8	11	\$17.93
	51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	68	14	10	\$19.51
	51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	54	9	8	\$17.51

Criteria Met	SOC	Occupation	2023 Jobs	5-Year Change	Annual Openings	Entry-Level Hourly Wage
2023 Jobs	51-5112	Printing Press Operators	73	(5)	8	\$15.75
	51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	36	11	6	\$17.22
	49-9031	Home Appliance Repairers	70	(2)	6	\$17.18
	17-3013	Mechanical Drafters	55	4	6	\$26.47
	17-3029	Engineering Technologists and Technicians, Except Drafters, All Other	37	7	5	\$27.50
	17-3012	Electrical and Electronics Drafters	41	2	4	\$25.95

Source: Lightcast 2024.3, QCEW Employees, Non-QCEW Employees, and Self Employed



# Supply

From 2021 to 2024, community colleges in the North Far North region awarded an average of 497 awards annually across 13 programs aligned with all Advanced Manufacturing occupations. At Sierra Community College District (CCD), an average of 66 awards were conferred each year, compared to 221 in the Greater Sacramento subregion. The top-producing program at Sierra CCD was Industrial Electronics, with an average of 35 awards annually. Approximately 30% of all awards in the Greater Sacramento subregion were conferred by Sierra CCD.

## **Exhibit 8: Awards (degrees and certificates) from community college programs aligned with the Advanced Manufacturing occupations**

<b>Program Name (TOP)</b>	<b>Sierra CCD 3-Year Average (2021-2024)</b>	<b>Greater Sacramento 3-Year Average (2021-2024)</b>	<b>NFN 3-Year Average (2021-2024)</b>
Aeronautical and Aviation Technology (0950.00)	-	20	20
Computer Electronics (0934.10)	-	-	3
Electrical, Electronic, and Electro-Mechanical Drafting (0953.30)	-	1	1
Electronics and Electric Technology (0934.00)	-	41	41
Engineering Technology, General (requires Trigonometry) (0924.00)	1	2	10
Fashion Production (1303.30)	-	7	7
Industrial Electronics (0934.20)	35	37	37
Industrial Systems Technology and Maintenance (0945.00)	-	7	8
Machining and Machine Tools (0956.30)	3	3	11
Manufacturing and Industrial Technology (0956.00)	11	16	64
Mechanical Drafting (0953.40)	4	4	13
Ocean Technology (1920.00)	-	-	0
Welding Technology (0956.50)	12	83	282

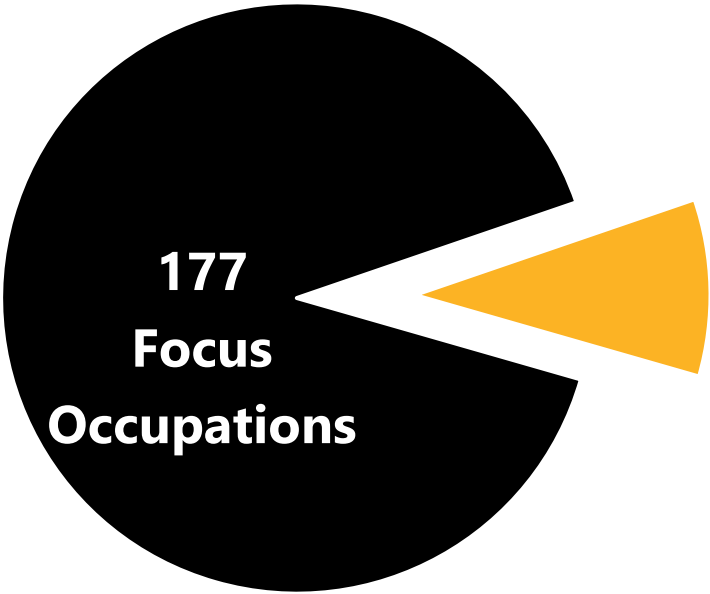
Source: California Community Colleges Chancellor's Office Management Information Systems DataMart

# ADVANCED TRANSPORTATION AND LOGISTICS

## Community College Supply



## 19 Advanced Transportation and Logistics Occupations





# Demand

In 2023 in the district service area, there were 7,511 jobs in the 19 focus occupations in Advanced Transportation and Logistics. Exhibit 9 shows the annual openings and wage for each occupation.

**Exhibit 9: Current employment, projected occupational demand, and entry-level wages of focus occupations in Advanced Transportation and Logistics**

Criteria Met	SOC	Occupation	2023 Jobs	5-Year Change	Annual Openings	Entry-Level Hourly Wage
Both	49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	860	118	99	\$32.18
	49-3042	Mobile Heavy Equipment Mechanics, Except Engines	225	27	25	\$28.80
	11-3071	Transportation, Storage, and Distribution Managers	243	25	25	\$38.58
2023 Jobs	53-3032	Heavy and Tractor-Trailer Truck Drivers	2,192	252	291	\$21.15
	49-3023	Automotive Service Technicians and Mechanics	1,219	121	135	\$22.91
	53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	665	68	83	\$24.78
	43-5061	Production, Planning, and Expediting Clerks	474	48	60	\$22.98
	49-3021	Automotive Body and Related Repairers	434	74	55	\$24.56
	53-3052	Bus Drivers, Transit and Intercity	296	66	55	\$22.07
	49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	368	49	42	\$28.15
	13-1081	Logisticians	231	40	28	\$20.22

Criteria Met	SOC	Occupation	2023 Jobs	5-Year Change	Annual Openings	Entry-Level Hourly Wage
Living Wage	53-2012	Commercial Pilots	60	10	10	\$32.85
	53-4031	Railroad Conductors and Yardmasters	81	(6)	7	\$38.43
	53-4011	Locomotive Engineers	58	(7)	4	\$38.66
	53-4041	Subway and Streetcar Operators	23	3	3	\$31.70
	53-6051	Transportation Inspectors	19	2	2	\$33.51
	49-3043	Rail Car Repairers	25	(2)	2	\$31.21
	53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	23	(2)	2	\$29.41
	49-2091	Avionics Technicians	15	1	2	\$28.38

Source: Lightcast 2024.3, QCEW Employees, Non-QCEW Employees, and Self Employed



# Supply

From 2021 to 2024, community colleges in the North Far North region awarded an average of 318 awards annually across 14 programs aligned with all Advanced Transportation and Logistics occupations. At Sierra Community College District (CCD), an average of 1 award was conferred each year, compared to 198 in the Greater Sacramento subregion. The only program at Sierra CCD that conferred awards was Automotive Technology, with an average of 1 award annually. Less than 1% of all awards in the Greater Sacramento subregion were conferred by Sierra CCD.

## **Exhibit 10: Awards (degrees and certificates) from community college programs aligned with the Advanced Transportation and Logistics occupations**

<b>Program Name (TOP)</b>	<b>Sierra CCD 3-Year Average (2021-2024)</b>	<b>Greater Sacramento 3-Year Average (2021-2024)</b>	<b>NFN 3-Year Average (2021-2024)</b>
Air Traffic Control (3020.30)	-	6	6
Alternative Fuels and Advanced Transportation Technology (0948.40)	-	0	0
Automotive Collision Repair (0949.00)	-	5	5
Automotive Technology (0948.00)	1	135	193
Aviation Airframe Mechanics (0950.10)	-	3	3
Aviation and Airport Management (3020.10)	-	1	1
Aviation and Airport Management and Services (3020.00)	-	2	2
Aviation Powerplant Mechanics (0950.20)	-	3	3
Diesel Technology (0947.00)	-	20	33
Heavy Equipment Operation (0947.30)	-	-	49
International Business and Trade (0508.00)	-	15	15
Motorcycle, Outboard and Small Engine Repair (0948.30)	-	0	0
Piloting (3020.20)	-	7	7
Railroad and Light Rail Operations (0947.40)	-	1	1

Source: California Community Colleges Chancellor's Office Management Information Systems DataMart

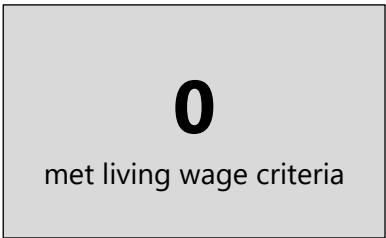
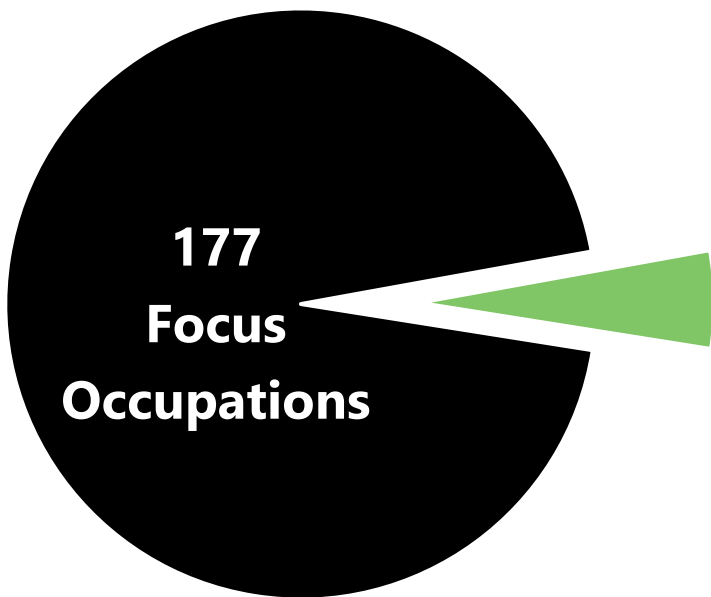
# AGRICULTURE, WATER, AND ENVIRONMENTAL TECHNOLOGIES



## Community College Supply



## 10 Agriculture, Water, and Environmental Technologies Occupations





# Demand

In 2023 in the district service area, there were 1,728 jobs in the 10 focus occupations in Agriculture, Water, and Environmental Technologies. Exhibit 11 shows the annual openings and wage for each occupation.

**Exhibit 11: Current employment, projected occupational demand, and entry-level wages of focus occupations in Agriculture, Water, and Environmental Technologies**

Criteria Met	SOC	Occupation	2023 Jobs	5-Year Change	Annual Openings	Entry-Level Hourly Wage
2023 Jobs	31-9096	Veterinary Assistants and Laboratory Animal Caretakers	432	78	106	\$17.74
	37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	460	45	58	\$21.26
	29-2056	Veterinary Technologists and Technicians	212	55	32	\$21.83
	19-4071	Forest and Conservation Technicians	161	12	23	\$25.29
	11-9013	Farmers, Ranchers, and Other Agricultural Managers	141	1	16	\$15.50
	45-4011	Forest and Conservation Workers	56	18	15	\$15.93
	39-2011	Animal Trainers	73	3	11	\$11.29
	27-1023	Floral Designers	72	(1)	9	\$17.61
	45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	52	6	8	\$16.25
	47-4041	Hazardous Materials Removal Workers	69	0	8	\$22.18

Source: Lightcast 2024.3, QCEW Employees, Non-QCEW Employees, and Self Employed



# Supply

From 2021 to 2024, community colleges in the North Far North region awarded an average of 374 awards annually across 18 programs aligned with all Agriculture, Water, and Environmental Technologies occupations. At Sierra Community College District (CCD), an average of 23 awards were conferred each year, compared to 161 in the Greater Sacramento subregion. The top-producing program at Sierra CCD was Agriculture Technology and Sciences, General, with an average of 21 awards annually. Approximately 14% of all awards in the Greater Sacramento subregion were conferred by Sierra CCD.

## **Exhibit 12: Awards (degrees and certificates) from community college programs aligned with the Agriculture, Water, and Environmental Technologies occupations**

<b>Program Name (TOP)</b>	<b>Sierra CCD 3-Year Average (2021-2024)</b>	<b>Greater Sacramento 3-Year Average (2021-2024)</b>	<b>NFN 3-Year Average (2021-2024)</b>
Agricultural Pest Control Adviser and Operator (Licensed) (0103.10)	-	1	2
Agricultural Power Equipment Technology (0116.00)	-	-	41
Agriculture Business, Sales and Service (0112.00)	-	7	38
Agriculture Technology and Sciences, General (0101.00)	21	29	79
Animal Science (0102.00)	-	9	32
Environmental Technology (0303.00)	0	19	19
Equine Science (0102.40)	-	1	12
Floriculture / Floristry (0109.20)	-	-	3
Forestry (0114.00)	2	17	28
Horticulture (0109.00)	-	8	17
Landscape Design and Maintenance (0109.10)	-	8	9
Natural Resources (0115.00)	-	32	47
Nursery Technology (0109.30)	-	0	1
Parks and Outdoor Recreation (0115.10)	-	0	2
Plant Science (0103.00)	-	0	10
Veterinary Technician (Licensed) (0102.10)	-	29	29
Viticulture, Enology, and Wine Business (0104.00)	-	1	1
Wildlife and Fisheries (0115.20)	-	-	4

Source: California Community Colleges Chancellor's Office Management Information Systems DataMart

# BUSINESS AND ENTREPRENEURSHIP

## Community College Supply

### Employment Demand

**34,672**

Jobs in 2023

**4,217**

Annual Openings

**505**

Awards

### 28 Business and Entrepreneurship Occupations

**6**

met both criteria

**20**

met 2023 jobs criteria

**2**

met living wage criteria

**177**  
**Focus**  
**Occupations**

# Demand

In 2023 in the district service area, there were 34,672 jobs in the 28 focus occupations in Business and Entrepreneurship. Exhibit 13 shows the annual openings and wage for each occupation.

**Exhibit 13: Current employment, projected occupational demand, and entry-level wages of focus occupations in Business and Entrepreneurship**

Criteria Met	SOC	Occupation	2023 Jobs	5-Year Change	Annual Openings	Entry-Level Hourly Wage
Both	11-1021	General and Operations Managers	4,094	526	448	\$39.60
	43-1011	First-Line Supervisors of Office and Administrative Support Workers	2,278	132	250	\$28.55
	11-3012	Administrative Services Managers	749	69	73	\$39.70
	13-1051	Cost Estimators	585	48	60	\$29.43
	43-6011	Executive Secretaries and Executive Administrative Assistants	510	2	54	\$29.60
	13-1031	Claims Adjusters, Examiners, and Investigators	487	(5)	34	\$28.67
2023 Jobs	43-9061	Office Clerks, General	4,770	272	640	\$18.28
	43-4051	Customer Service Representatives	2,794	96	401	\$18.51
	43-3031	Bookkeeping, Accounting, and Auditing Clerks	2,651	161	350	\$21.59
	43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	2,250	121	284	\$20.15
	43-4171	Receptionists and Information Clerks	1,605	237	276	\$17.80
	39-5012	Hairdressers, Hairstylists, and Cosmetologists	1,260	116	203	\$13.19
	11-9141	Property, Real Estate, and Community Association Managers	1,586	166	165	\$22.89
	39-5092	Manicurists and Pedicurists	940	135	144	\$16.52
	41-9022	Real Estate Sales Agents	1,258	112	131	\$19.38



Criteria Met	SOC	Occupation	2023 Jobs	5-Year Change	Annual Openings	Entry-Level Hourly Wage
2023 Jobs	41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	1,218	79	129	\$24.00
	41-3021	Insurance Sales Agents	1,207	68	116	\$21.92
	43-9021	Data Entry Keyers	767	(60)	86	\$25.32
	41-9099	Sales and Related Workers, All Other	520	20	73	\$19.37
	43-9041	Insurance Claims and Policy Processing Clerks	506	(6)	46	\$20.26
	43-3051	Payroll and Timekeeping Clerks	437	4	46	\$24.10
	13-1028	Buyers and Purchasing Agents	424	23	45	\$26.98
	43-3071	Tellers	468	(111)	42	\$19.17
	41-9021	Real Estate Brokers	388	36	41	\$22.15
	41-1012	First-Line Supervisors of Non-Retail Sales Workers	370	(5)	31	\$21.83
	43-4131	Loan Interviewers and Clerks	314	(27)	25	\$22.74
Living Wage	11-3013	Facilities Managers	221	27	23	\$37.85
	13-1032	Insurance Appraisers, Auto Damage	15	0	1	\$32.84

Source: Lightcast 2024.3, QCEW Employees, Non-QCEW Employees, and Self Employed



# Supply

From 2021 to 2024, community colleges in the North Far North region awarded an average of 2,799 awards annually across 15 programs aligned with all Business and Entrepreneurship occupations. At Sierra Community College District (CCD), an average of 505 awards were conferred each year, compared to 2,046 in the Greater Sacramento subregion. The top-producing program at Sierra CCD was Business Administration, with an average of 286 awards annually. Approximately 25% of all awards in the Greater Sacramento subregion were conferred by Sierra CCD.

## **Exhibit 14: Awards (degrees and certificates) from community college programs aligned with the Business and Entrepreneurship occupations**

<b>Program Name (TOP)</b>	<b>Sierra CCD 3-Year Average (2021-2024)</b>	<b>Greater Sacramento 3-Year Average (2021-2024)</b>	<b>NFN 3-Year Average (2021-2024)</b>
Accounting (0502.00)	88	344	476
Advertising (0509.10)	-	0	0
Business Administration (0505.00)	286	1,154	1,406
Business and Commerce, General (0501.00)	72	176	329
Business Management (0506.00)	22	113	175
Cosmetology and Barbering (3007.00)	-	58	139
Customer Service (0518.00)	-	-	6
E-Commerce (Business emphasis) (0509.70)	-	-	1
Legal Office Technology (0514.10)	-	3	11
Management Development and Supervision (0506.30)	-	3	4
Marketing and Distribution (0509.00)	16	36	50
Mortuary Science (1255.00)	-	24	24
Real Estate (0511.00)	11	69	81
Small Business and Entrepreneurship (0506.40)	9	57	80
Tax Studies (0502.10)	1	9	17

Source: California Community Colleges Chancellor's Office Management Information Systems DataMart

# EDUCATION AND HUMAN DEVELOPMENT

## Community College Supply

### Employment Demand

**4,726**

Jobs in 2023

**737**

Annual Openings

**95**

Awards

### 4 Education and Human Development Occupations

**0**

met both criteria

**3**

met 2023 jobs criteria

**1**

met living wage criteria

**177**  
Focus  
Occupations

# Demand

In 2023 in the district service area, there were 4,726 jobs in the 4 focus occupations in Education and Human Development. Exhibit 15 shows the annual openings and wage for each occupation.

**Exhibit 15: Current employment, projected occupational demand, and entry-level wages of focus occupations in Education and Human Development**

Criteria Met	SOC	Occupation	2023 Jobs	5-Year Change	Annual Openings	Entry-Level Hourly Wage
2023 Jobs	25-9045	Teaching Assistants, Except Postsecondary	2,221	256	323	\$17.65
	39-9011	Childcare Workers	1,616	66	297	\$15.69
	25-2011	Preschool Teachers, Except Special Education	797	72	103	\$17.25
Living Wage	25-2012	Kindergarten Teachers, Except Special Education	92	17	14	\$28.42

Source: Lightcast 2024.3, QCEW Employees, Non-QCEW Employees, and Self Employed



# Supply

From 2021 to 2024, community colleges in the North Far North region awarded an average of 1,194 awards annually across 13 programs aligned with all Education and Human Development occupations. At Sierra Community College District (CCD), an average of 95 awards were conferred each year, compared to 833 in the Greater Sacramento subregion. The top-producing program at Sierra CCD was Child Development/Early Care and Education, with an average of 63 awards annually. Approximately 11% of all awards in the Greater Sacramento subregion were conferred by Sierra CCD.

## **Exhibit 16: Awards (degrees and certificates) from community college programs aligned with the Education and Human Development occupations**

<b>Program Name (TOP)</b>	<b>Sierra CCD 3-Year Average (2021-2024)</b>	<b>Greater Sacramento 3-Year Average (2021-2024)</b>	<b>NFN 3-Year Average (2021-2024)</b>
Child and Adolescent Development (1305.10)	-	28	52
Child Development Administration and Management (1305.80)	2	21	21
Child Development/Early Care and Education (1305.00)	63	717	1,030
Children with Special Needs (1305.20)	-	3	3
Family Studies (1308.00)	-	-	10
Infants and Toddlers (1305.90)	3	18	18
Other Education (0899.00)	-	1	1
Parenting and Family Education (1305.60)	-	-	7
Recreation (0836.00)	9	11	15
Recreation Assistant (0836.10)	1	1	1
Sign Language Interpreting (0850.10)	17	29	29
Special Education (0809.00)	-	-	3
The School Age Child (1305.50)	-	4	4

Source: California Community Colleges Chancellor's Office Management Information Systems DataMart



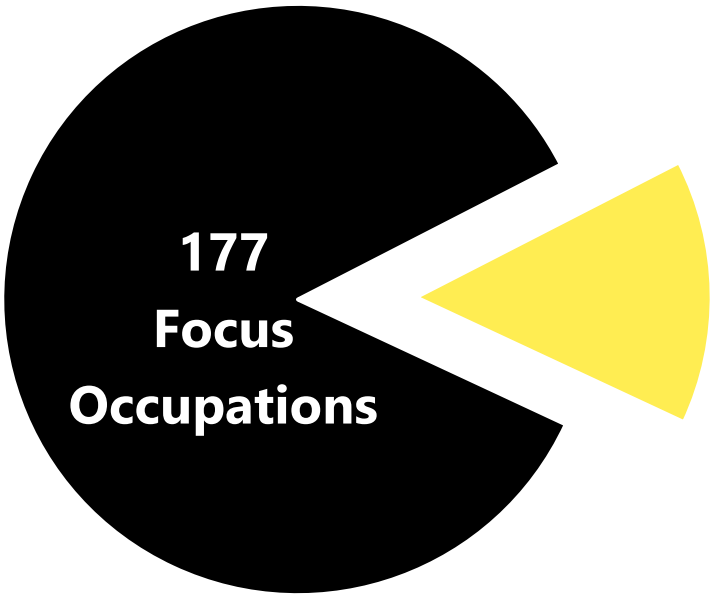
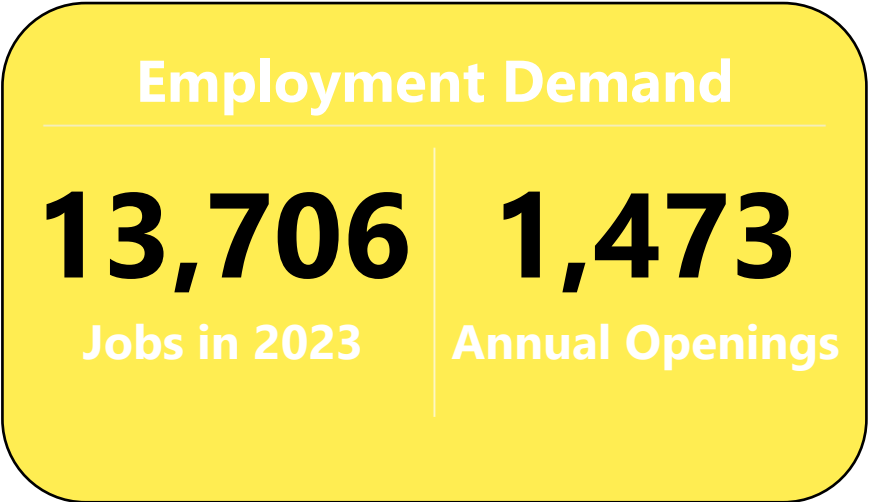
# ENERGY, CONSTRUCTION, AND UTILITIES



## Community College Supply



## 30 Energy, Construction, and Utilities Occupations



# Demand

In 2023 in the district service area, there were 13,706 jobs in the 30 focus occupations in Energy, Construction, and Utilities. Exhibit 17 shows the annual openings and wage for each occupation.

**Exhibit 17: Current employment, projected occupational demand, and entry-level wages of focus occupations in Energy, Construction, and Utilities**

Criteria Met	SOC	Occupation	2023 Jobs	5-Year Change	Annual Openings	Entry-Level Hourly Wage
Both	47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	1,757	175	186	\$33.74
	47-2073	Operating Engineers and Other Construction Equipment Operators	757	89	85	\$29.42
	47-4011	Construction and Building Inspectors	210	18	28	\$30.31
	49-9051	Electrical Power-Line Installers and Repairers	198	40	24	\$37.24
	51-8031	Water and Wastewater Treatment Plant and System Operators	197	15	22	\$29.78
2023 Jobs	47-2031	Carpenters	4,102	132	381	\$23.38
	47-2111	Electricians	1,471	212	180	\$23.99
	47-2152	Plumbers, Pipefitters, and Steamfitters	1,033	109	116	\$22.75
	49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	1,005	117	112	\$22.81
	49-9099	Installation, Maintenance, and Repair Workers, All Other	497	35	56	\$19.02
	47-2121	Glaziers	262	13	29	\$24.31
	49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	242	9	26	\$26.02
	51-7011	Cabinetmakers and Bench Carpenters	241	2	24	\$18.94
	47-2221	Structural Iron and Steel Workers	238	14	24	\$24.29
	47-2231	Solar Photovoltaic Installers	161	36	23	\$19.81

Criteria Met	SOC	Occupation	2023 Jobs	5-Year Change	Annual Openings	Entry-Level Hourly Wage
2023 Jobs	49-9052	Telecommunications Line Installers and Repairers	178	25	22	\$26.54
	47-2211	Sheet Metal Workers	184	18	21	\$22.57
	47-2021	Brickmasons and Blockmasons	138	36	21	\$21.30
	17-3011	Architectural and Civil Drafters	203	5	20	\$26.83
	17-3031	Surveying and Mapping Technicians	116	5	15	\$24.83
	51-8021	Stationary Engineers and Boiler Operators	115	12	15	\$21.69
	49-2098	Security and Fire Alarm Systems Installers	119	5	14	\$23.38
	47-2171	Reinforcing Iron and Rebar Workers	103	4	9	\$23.91
	47-2022	Stonemasons	72	12	9	\$22.40
Living Wage	49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	35	4	4	\$45.71
	51-8013	Power Plant Operators	15	4	2	\$41.89
	51-8012	Power Distributors and Dispatchers	23	1	2	\$58.12
	47-2132	Insulation Workers, Mechanical	12	1	1	\$30.76
	47-2011	Boilermakers	10	1	1	\$35.56
	47-4021	Elevator and Escalator Installers and Repairers	12	1	1	\$36.77

Source: Lightcast 2024.3, QCEW Employees, Non-QCEW Employees, and Self Employed



# Supply

From 2021 to 2024, community colleges in the North Far North region awarded an average of 623 awards annually across 16 programs aligned with all Energy, Construction, and Utilities occupations. At Sierra Community College District (CCD), an average of 20 awards were conferred each year, compared to 511 in the Greater Sacramento subregion. The top-producing program at Sierra CCD was Architectural Drafting, with an average of 12 awards annually. Approximately 4% of all awards in the Greater Sacramento subregion were conferred by Sierra CCD.

## **Exhibit 18: Awards (degrees and certificates) from community college programs aligned with the Energy, Construction, and Utilities occupations**

<b>Program Name (TOP)</b>	<b>Sierra CCD 3-Year Average (2021-2024)</b>	<b>Greater Sacramento 3-Year Average (2021-2024)</b>	<b>NFN 3-Year Average (2021-2024)</b>
Architectural Drafting (0953.10)	12	14	15
Architecture and Architectural Technology (0201.00)	-	24	24
Carpentry (0952.10)	-	169	182
Civil and Construction Management Technology (0957.00)	4	25	25
Construction Crafts Technology (0952.00)	1	9	20
Construction Inspection (0957.20)	-	4	4
Drafting Technology (0953.00)	3	16	36
Drywall and Insulation (0952.80)	-	79	79
Electrical (0952.20)	-	43	60
Energy Systems Technology (0946.10)	-	-	7
Environmental Control Technology (0946.00)	-	51	84
Mill and Cabinet Work (0952.50)	-	3	10
Painting, Decorating, and Flooring (0952.70)	-	0	0
Plumbing, Pipefitting and Steamfitting (0952.30)	-	30	30
Sheet Metal and Structural Metal (0956.40)	-	36	36
Water and Wastewater Technology (0958.00)	-	8	11

Source: California Community Colleges Chancellor's Office Management Information Systems DataMart

# HEALTH



## Community College Supply

### Employment Demand

**24,923**

Jobs in 2023

**3,913**

Annual Openings

**646**

Awards

Jobs in 2023

Annual Openings

### 31 Health Occupations

**177**  
Focus  
Occupations

**8**

met both criteria

**17**

met 2023 jobs criteria

**6**

met living wage criteria



# Demand

In 2023 in the district service area, there were 24,923 jobs in the 31 focus occupations in Health. Exhibit 19 shows the annual openings and wage for each occupation.

**Exhibit 19: Current employment, projected occupational demand, and entry-level wages of focus occupations in Health**

Criteria Met	SOC	Occupation	2023 Jobs	5-Year Change	Annual Openings	Entry-Level Hourly Wage
Both	29-1141	Registered Nurses	4,616	872	446	\$58.29
	29-2061	Licensed Practical and Licensed Vocational Nurses	1,026	190	123	\$32.55
	29-1292	Dental Hygienists	774	124	79	\$53.07
	29-2034	Radiologic Technologists and Technicians	356	73	35	\$40.64
	31-2021	Physical Therapist Assistants	124	31	25	\$33.82
	29-1126	Respiratory Therapists	224	46	21	\$45.97
	29-2055	Surgical Technologists	169	38	19	\$35.99
	29-2032	Diagnostic Medical Sonographers	147	29	14	\$54.94
2023 Jobs	31-1128	Home Health and Personal Care Aides	7,673	1,748	1,596	\$16.41
	31-9092	Medical Assistants	2,091	392	367	\$22.80
	31-1131	Nursing Assistants	1,434	323	290	\$19.68
	43-6013	Medical Secretaries and Administrative Assistants	1,815	269	256	\$21.06
	31-9091	Dental Assistants	954	163	174	\$23.92
	21-1093	Social and Human Service Assistants	552	100	80	\$19.35
	31-9011	Massage Therapists	363	65	66	\$16.88
	29-2052	Pharmacy Technicians	565	50	62	\$22.42
	29-2099	Health Technologists and Technicians, All Other	425	100	51	\$23.65

Criteria Met	SOC	Occupation	2023 Jobs	5-Year Change	Annual Openings	Entry-Level Hourly Wage
2023 Jobs	29-2072	Medical Records Specialists	285	47	30	\$23.13
	51-9081	Dental Laboratory Technicians	124	54	28	\$18.55
	29-2042	Emergency Medical Technicians	261	33	26	\$19.91
	31-9093	Medical Equipment Preparers	141	24	25	\$23.96
	31-9099	Healthcare Support Workers, All Other	141	22	24	\$20.52
	31-9097	Phlebotomists	131	14	20	\$22.49
	29-2081	Opticians, Dispensing	163	15	17	\$20.94
	29-2043	Paramedics	107	15	8	\$27.17
Living Wage	31-2011	Occupational Therapy Assistants	43	12	9	\$34.61
	29-2031	Cardiovascular Technologists and Technicians	84	14	8	\$28.62
	29-9021	Health Information Technologists and Medical Registrars	42	10	5	\$34.20
	29-2035	Magnetic Resonance Imaging Technologists	47	9	5	\$47.02
	29-2033	Nuclear Medicine Technologists	26	4	2	\$64.48
	29-1124	Radiation Therapists	20	3	2	\$73.43

Source: Lightcast 2024.3, QCEW Employees, Non-QCEW Employees, and Self Employed



# Supply

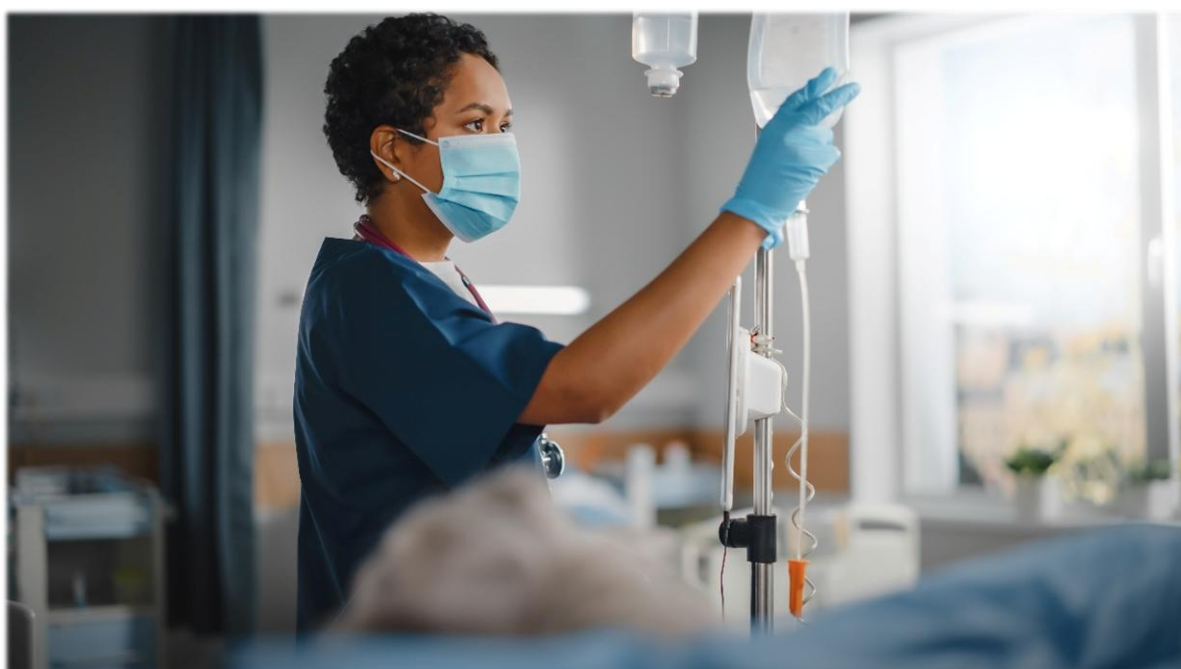
From 2021 to 2024, community colleges in the North Far North region awarded an average of 2,309 awards annually across 29 programs aligned with all Health occupations. At Sierra Community College District (CCD), an average of 646 awards were conferred each year, compared to 1,406 in the Greater Sacramento subregion. The top-producing program at Sierra CCD was Health Occupations, General, with an average of 568 awards annually. Approximately 46% of all awards in the Greater Sacramento subregion were conferred by Sierra CCD.

## **Exhibit 20: Awards (degrees and certificates) from community college programs aligned with the Health occupations**

<b>Program Name (TOP)</b>	<b>Sierra CCD 3-Year Average (2021-2024)</b>	<b>Greater Sacramento 3-Year Average (2021-2024)</b>	<b>NFN 3-Year Average (2021-2024)</b>
Administrative Medical Assisting (1208.20)	-	18	18
Alcohol and Controlled Substances (2104.40)	-	38	54
Certified Nurse Assistant (1230.30)	-	12	126
Community Health Care Worker (1261.00)	-	12	12
Dental Assistant (1240.10)	-	19	37
Dental Hygienist (1240.20)	-	17	27
Diagnostic Medical Sonography (1227.00)	-	7	7
Emergency Medical Services (1250.00)	15	38	79
Gerontology (1309.00)	-	13	13
Health Information Coding (1223.10)	-	5	10
Health Information Technology (1223.00)	-	18	39
Health Occupations, General (1201.00)	568	698	719
Home Health Aide (1230.80)	-	4	4
Licensed Vocational Nursing (1230.20)	-	45	153
Medical Assisting (1208.00)	16	47	63
Medical Laboratory Technology (1205.00)	-	12	12
Medical Office Technology (0514.20)	-	3	58

Program Name (TOP)	Sierra CCD 3-Year Average (2021-2024)	Greater Sacramento 3-Year Average (2021-2024)	NFN 3-Year Average (2021-2024)
Nutrition, Foods, and Culinary Arts (1306.00)	2	23	30
Occupational Therapy Technology (1218.00)	-	16	16
Optical Technology (1219.00)	-	1	1
Other Health Occupations (1299.00)	5	15	15
Paramedic (1251.00)	3	9	188
Pharmacy Technology (1221.00)	-	12	12
Physical Therapist Assistant (1222.00)	-	21	43
Psychiatric Technician (1239.00)	-	11	11
Radiologic Technology (1225.00)	-	27	27
Registered Nursing (1230.10)	37	219	473
Respiratory Care/Therapy (1210.00)	-	13	29
Speech/Language Pathology and Audiology (1220.00)	-	33	33

Source: California Community Colleges Chancellor's Office Management Information Systems DataMart



# ICT/ DIGITAL MEDIA

## Community College Supply

### Employment Demand

**3,526**

Jobs in 2023

**288**

Annual Openings

**250**

Awards

## 9 ICT/Digital Media Occupations

**177**  
Focus  
Occupations

**4**

met both criteria

**5**

met 2023 jobs criteria

**0**

met living wage criteria



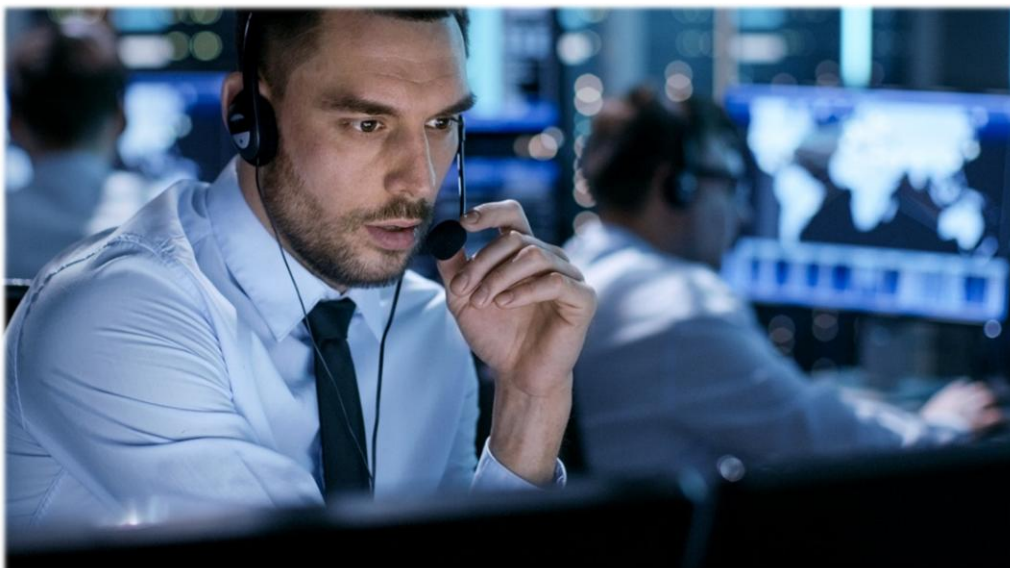
# Demand

In 2023 in the district service area, there were 3,526 jobs in the 9 focus occupations in ICT/Digital Media. Exhibit 21 shows the annual openings and wage for each occupation.

**Exhibit 21: Current employment, projected occupational demand, and entry-level wages of focus occupations in ICT/Digital Media**

Criteria Met	SOC	Occupation	2023 Jobs	5-Year Change	Annual Openings	Entry-Level Hourly Wage
Both	15-1232	Computer User Support Specialists	2,315	89	174	\$33.43
	15-1244	Network and Computer Systems Administrators	272	23	20	\$34.96
	15-1231	Computer Network Support Specialists	112	10	10	\$29.76
	15-1241	Computer Network Architects	116	6	8	\$45.06
2023 Jobs	27-4021	Photographers	284	4	28	\$17.19
	27-2011	Actors	98	19	16	\$15.53
	15-1255	Web and Digital Interface Designers	150	13	14	\$24.29
	27-4011	Audio and Video Technicians	89	10	10	\$20.55
	15-1254	Web Developers	90	9	8	\$24.44

Source: Lightcast 2024.3, QCEW Employees, Non-QCEW Employees, and Self Employed



# Supply

From 2021 to 2024, community colleges in the North Far North region awarded an average of 1,139 awards annually across 31 programs aligned with all ICT/Digital Media occupations. At Sierra Community College District (CCD), an average of 250 awards were conferred each year, compared to 884 in the Greater Sacramento subregion. The top-producing program at Sierra CCD was Graphic Art and Design, with an average of 71 awards annually. Approximately 28% of all awards in the Greater Sacramento subregion were conferred by Sierra CCD.

## **Exhibit 22: Awards (degrees and certificates) from community college programs aligned with the ICT/Digital Media occupations**

<b>Program Name (TOP)</b>	<b>Sierra CCD 3-Year Average (2021-2024)</b>	<b>Greater Sacramento 3-Year Average (2021-2024)</b>	<b>NFN 3-Year Average (2021-2024)</b>
Animation (0614.40)	-	11	11
Applied Photography (1012.00)	22	39	43
Broadcast Journalism (0604.30)	-	0	0
Commercial Art (1013.00)	-	0	0
Commercial Music (1005.00)	1	38	45
Computer Graphics and Digital Imagery (0614.60)	-	4	4
Computer Information Systems (0702.00)	2	31	56
Computer Infrastructure and Support (0708.00)	2	84	108
Computer Networking (0708.10)	29	95	140
Computer Programming (0707.10)	29	104	104
Computer Software Development (0707.00)	-	20	20
Computer Support (0708.20)	-	16	18
Computer Systems Analysis (0707.30)	7	15	15
Database Design and Administration (0707.20)	-	18	18
Digital Media (0614.00)	-	62	65
Electronic Game Design (0614.20)	-	7	7
Film Production (0612.20)	9	19	19
Geographic Information Systems (2206.10)	3	16	25
Graphic Art and Design (1030.00)	71	71	92

Program Name (TOP)	Sierra CCD 3-Year Average (2021-2024)	Greater Sacramento 3-Year Average (2021-2024)	NFN 3-Year Average (2021-2024)
Information Technology, General (0701.00)	-	41	42
Journalism (0602.00)	8	24	28
Multimedia (0614.10)	32	34	44
Office Technology/Office Computer Applications (0514.00)	29	54	121
Other Information Technology (0799.00)	0	0	0
Radio (0604.10)	-	1	1
Radio and Television (0604.00)	-	19	33
Software Applications (0702.10)	5	22	22
Telecommunications Technology (0934.30)	-	7	7
Television (including combined TV/Film/Video) (0604.20)	-	14	32
Website Design and Development (0614.30)	1	14	14
World Wide Web Administration (0709.00)	-	4	5

Source: California Community Colleges Chancellor's Office Management Information Systems DataMart



# LIFE SCIENCES AND BIOTECHNOLOGY



## Community College Supply



## 4 Life Sciences and Biotechnology Occupations



# Demand

In 2023 in the district service area, there were 1,007 jobs in the 4 focus occupations in Life Sciences and Biotechnology. Exhibit 23 shows the annual openings and wage for each occupation.

**Exhibit 23: Current employment, projected occupational demand, and entry-level wages of focus occupations in Life Sciences and Biotechnology**

Criteria Met	SOC	Occupation	2023 Jobs	5-Year Change	Annual Openings	Entry-Level Hourly Wage
Both	49-9062	Medical Equipment Repairers	136	12	15	\$28.48
2023 Jobs	51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	443	43	62	\$18.67
	29-2018	Clinical Laboratory Technologists and Technicians	336	56	34	\$25.96
	19-4099	Life, Physical, and Social Science Technicians, All Other	92	6	13	\$21.19

Source: Lightcast 2024.3, QCEW Employees, Non-QCEW Employees, and Self Employed

# Supply

From 2021 to 2024, community colleges in the North Far North region awarded an average of 45 awards annually across 3 programs aligned with all Life Sciences and Biotechnology occupations. While there were no awards conferred by Sierra CCD, the three-year average of 45 awards conferred in the North Far North region were actually conferred in the Greater Sacramento subregion.

**Exhibit 24: Awards (degrees and certificates) from community college programs aligned with the Life Sciences and Biotechnology occupations**

Program Name (TOP)	Sierra CCD 3-Year Average (2021-2024)	Greater Sacramento 3-Year Average (2021-2024)	NFN 3-Year Average (2021-2024)
Biomedical Instrumentation (0934.60)	-	10	10
Biotechnology and Biomedical Technology (0430.00)	-	5	5
Laboratory Science Technology (0955.00)	-	30	30

Source: California Community Colleges Chancellor's Office Management Information Systems DataMart



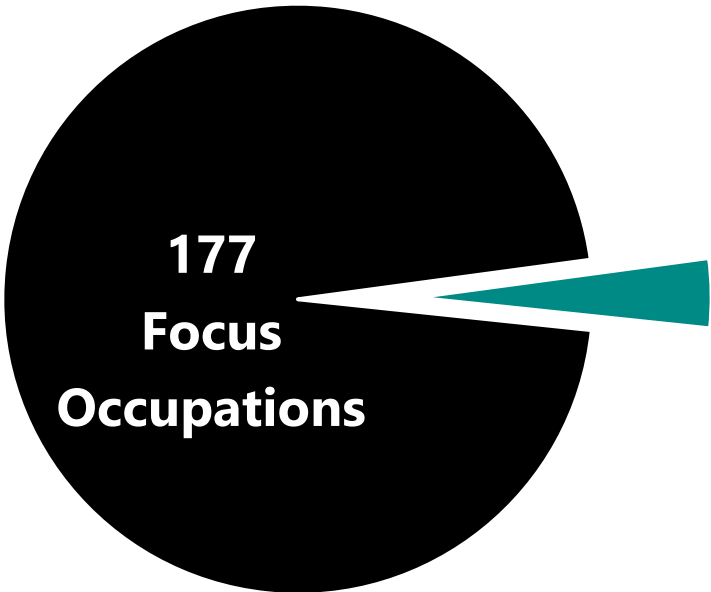
# OTHER/ UNASSIGNED



## Community College Supply



## 7 Other/Unassigned Occupations



# Demand

In 2023 in the district service area, there were 2,224 jobs in the 7 focus occupations in Other/Unassigned. Exhibit 25 shows the annual openings and wage for each occupation.

**Exhibit 25: Current employment, projected occupational demand, and entry-level wages of focus occupations in Other/Unassigned**

Criteria Met	SOC	Occupation	2023 Jobs	5-Year Change	Annual Openings	Entry-Level Hourly Wage
2023 Jobs	39-9031	Exercise Trainers and Group Fitness Instructors	956	148	218	\$16.73
	23-2011	Paralegals and Legal Assistants	504	94	74	\$25.49
	43-4031	Court, Municipal, and License Clerks	237	33	32	\$22.96
	43-6012	Legal Secretaries and Administrative Assistants	187	13	25	\$21.19
	49-2011	Computer, Automated Teller, and Office Machine Repairers	181	(33)	16	\$18.37
	27-3091	Interpreters and Translators	140	2	15	\$23.36
Living Wage	11-9131	Postmasters and Mail Superintendents	19	1	2	\$39.52

Source: Lightcast 2024.3, QCEW Employees, Non-QCEW Employees, and Self Employed



# Supply

From 2021 to 2024, community colleges in the North Far North region awarded an average of 289 awards annually across 6 programs aligned with all Other/Unassigned occupations. At Sierra Community College District (CCD), an average of 3 awards were conferred each year, compared to 197 in the Greater Sacramento subregion. The two programs at Sierra CCD that conferred awards were Fitness Trainer (2) and Technical Theater (1). Approximately 2% of all awards in the Greater Sacramento subregion were conferred by Sierra CCD.

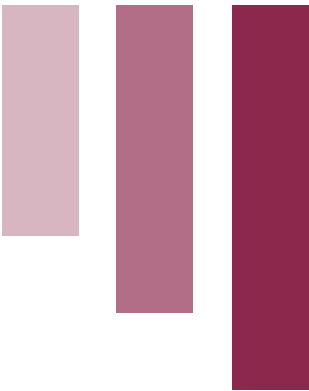
## **Exhibit 26: Awards (degrees and certificates) from community college programs aligned with the Other/Unassigned occupations**

<b>Program Name (TOP)</b>	<b>Sierra CCD 3-Year Average (2021-2024)</b>	<b>Greater Sacramento 3-Year Average (2021-2024)</b>	<b>NFN 3-Year Average (2021-2024)</b>
Fitness Trainer (0835.20)	2	2	4
Human Services (2104.00)	-	81	144
Library Technician (Aide) (1602.00)	-	19	19
Other Engineering and Related Industrial Technologies (0999.00)	-	1	28
Paralegal (1402.00)	-	88	88
Technical Theater (1006.00)	1	6	6

Source: California Community Colleges Chancellor's Office Management Information Systems DataMart



# PUBLIC SAFETY



## Community College Supply

### Employment Demand

**3,653**

Jobs in 2023

**463**

Annual Openings

**275**

Awards

Jobs in 2023

Annual Openings

### 11 Public Safety Occupations

**177**  
Focus  
Occupations

**7**

met both criteria

**1**

met 2023 jobs criteria

**3**

met living wage criteria

# Demand

In 2023 in the district service area, there were 3,653 jobs in the 11 focus occupations in Public Safety. Exhibit 27 shows the annual openings and wage for each occupation.

**Exhibit 27: Current employment, projected occupational demand, and entry-level wages of focus occupations in Public Safety**

Criteria Met	SOC	Occupation	2023 Jobs	5-Year Change	Annual Openings	Entry-Level Hourly Wage
Both	33-3051	Police and Sheriff's Patrol Officers	888	131	98	\$38.00
	33-2011	Firefighters	593	79	62	\$30.38
	33-3012	Correctional Officers and Jailers	254	35	30	\$34.90
	43-5031	Public Safety Telecommunicators	137	19	18	\$28.41
	33-1012	First-Line Supervisors of Police and Detectives	128	22	13	\$57.56
	33-1021	First-Line Supervisors of Firefighting and Prevention Workers	143	20	13	\$47.91
	33-3021	Detectives and Criminal Investigators	91	13	10	\$36.67
2023 Jobs	33-9032	Security Guards	1,340	122	210	\$16.16
Living Wage	33-1011	First-Line Supervisors of Correctional Officers	49	7	5	\$54.37
	33-3011	Bailiffs	19	2	3	\$31.00
	33-2021	Fire Inspectors and Investigators	11	3	1	\$36.40

Source: Lightcast 2024.3, QCEW Employees, Non-QCEW Employees, and Self Employed



# Supply

From 2021 to 2024, community colleges in the North Far North region awarded an average of 1,444 awards annually across 7 programs aligned with all Public Safety occupations. At Sierra Community College District (CCD), an average of 275 awards were conferred each year, compared to 736 in the Greater Sacramento subregion. The top-producing program at Sierra CCD was Administration of Justice, with an average of 133 awards annually. Approximately 37% of all awards in the Greater Sacramento subregion were conferred by Sierra CCD.

**Exhibit 28: Awards (degrees and certificates) from community college programs aligned with the Public Safety occupations**

Program Name (TOP)	Sierra CCD 3-Year Average (2021-2024)	Greater Sacramento 3-Year Average (2021-2024)	NFN 3-Year Average (2021-2024)
Administration of Justice (2105.00)	133	438	655
Corrections (2105.10)	3	5	5
Fire Academy (2133.50)	47	94	407
Fire Technology (2133.00)	92	140	191
Forensics, Evidence, and Investigation (2105.40)	-	-	0
Other Public and Protective Services (2199.00)	-	0	0
Police Academy (2105.50)	-	59	186

Source: California Community Colleges Chancellor's Office Management Information Systems DataMart





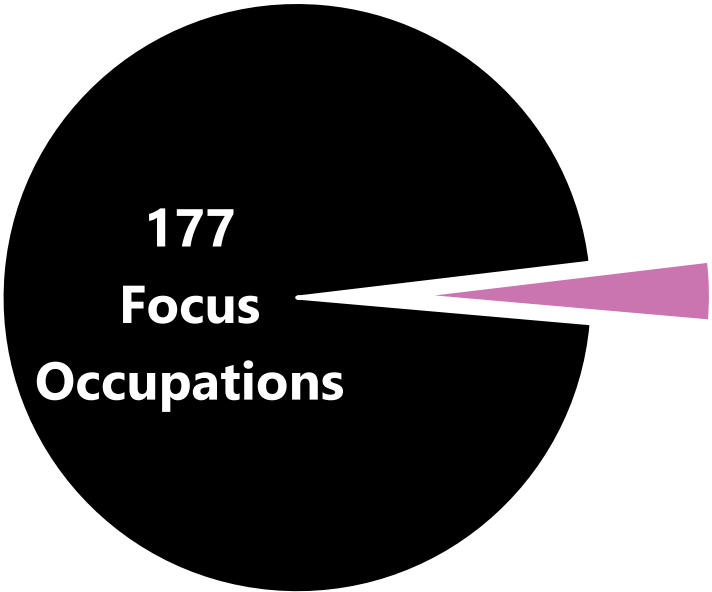
# RETAIL, HOSPITALITY, AND TOURISM



## Community College Supply



## 6 Retail, Hospitality, and Tourism Occupations



# Demand

In 2023 in the district service area, there were 5,734 jobs in the 6 focus occupations in Retail, Hospitality, and Tourism. Exhibit 29 shows the annual openings and wage for each occupation.

**Exhibit 29: Current employment, projected occupational demand, and entry-level wages of focus occupations in Retail, Hospitality, and Tourism**

Criteria Met	SOC	Occupation	2023 Jobs	5-Year Change	Annual Openings	Entry-Level Hourly Wage
2023 Jobs	35-1012	First-Line Supervisors of Food Preparation and Serving Workers	1,801	247	330	\$18.62
	41-1011	First-Line Supervisors of Retail Sales Workers	2,117	32	224	\$18.89
	11-9051	Food Service Managers	664	62	89	\$21.69
	35-1011	Chefs and Head Cooks	453	58	68	\$24.19
	37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	364	46	54	\$21.13
	39-1014	First-Line Supervisors of Entertainment and Recreation Workers, Except Gambling Services	335	55	50	\$19.02

Source: Lightcast 2024.3, QCEW Employees, Non-QCEW Employees, and Self Employed



# Supply

From 2021 to 2024, community colleges in the North Far North region awarded an average of 197 awards annually across 10 programs aligned with all Retail, Hospitality, and Tourism occupations. At Sierra Community College District (CCD), an average of 16 awards were conferred each year, compared to 119 in the Greater Sacramento subregion. The top-producing program at Sierra CCD was Fashion, with an average of 11 awards annually. Approximately 13% of all awards in the Greater Sacramento subregion were conferred by Sierra CCD.

## **Exhibit 30: Awards (degrees and certificates) from community college programs aligned with the Retail, Hospitality, and Tourism occupations**

<b>Program Name (TOP)</b>	<b>Sierra CCD 3-Year Average (2021-2024)</b>	<b>Greater Sacramento 3-Year Average (2021-2024)</b>	<b>NFN 3-Year Average (2021-2024)</b>
Culinary Arts (1306.30)	-	39	50
Family and Consumer Sciences, General (1301.00)	-	-	49
Fashion (1303.00)	11	11	11
Fashion Design (1303.10)	2	8	8
Fashion Merchandising (1303.20)	3	7	10
Hospitality (1307.00)	-	2	5
Interior Design and Merchandising (1302.00)	-	15	15
Office Management (0514.40)	-	2	2
Restaurant and Food Services and Management (1307.10)	-	33	33
Retail Store Operations and Management (0506.50)	-	2	14

Source: California Community Colleges Chancellor's Office Management Information Systems DataMart



# STRONG WORKFORCE PROGRAM DATA

## CTE STUDENT COUNTS

<b>11,155</b>	<b>69,504</b>	<b>92,358</b>
Sierra CCD	Greater Sac.	North Far North

## CTE AWARDS (2021-2024 AVERAGE)

<b>1,900</b>	<b>7,357</b>	<b>11,228</b>
Sierra CCD	Greater Sac.	North Far North

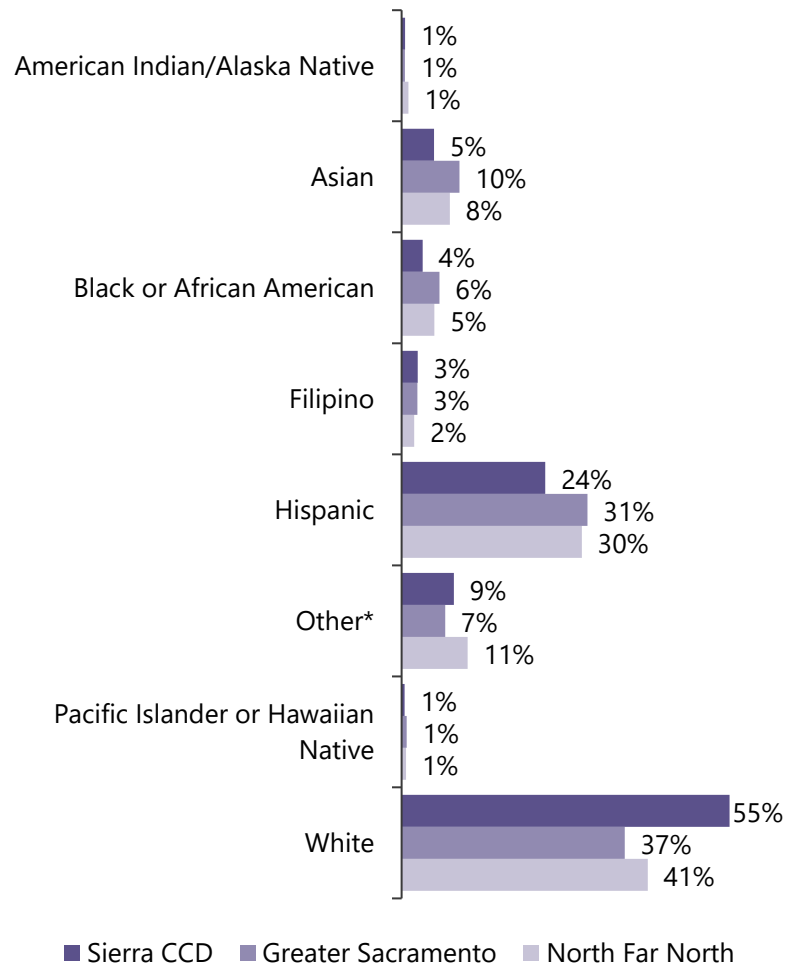
## SWP OUTCOMES SUMMARY: TOP PERFORMING PROGRAM AREAS

MEDIAN ANNUAL EARNINGS AFTER EXIT	Registered Nursing (1230.10)	\$131,530
	Fire Technology (2133.00)	\$80,768
	Fire Academy (2133.50)	\$70,852
	Comp. Infra. and Supp. (0708.00)	\$67,624
	Mach. and Machine Tools (0956.30)	\$62,904
MEDIAN CHANGE IN EARNINGS	Fashion (1303.00)	108%
	Business Management (0506.00)	104%
	Graphic Art and Design (1030.00)	96%
	Registered Nursing (1230.10)	85%
	Administration of Justice (2105.00)	82%
ATTAINED A LIVING WAGE	Registered Nursing (1230.10)	91%
	Fire Academy (2133.50)	72%
	Fire Technology (2133.00)	69%
	Mach. and Machine Tools (0956.30)	68%
	Comp. Infra. and Supp. (0708.00)	62%

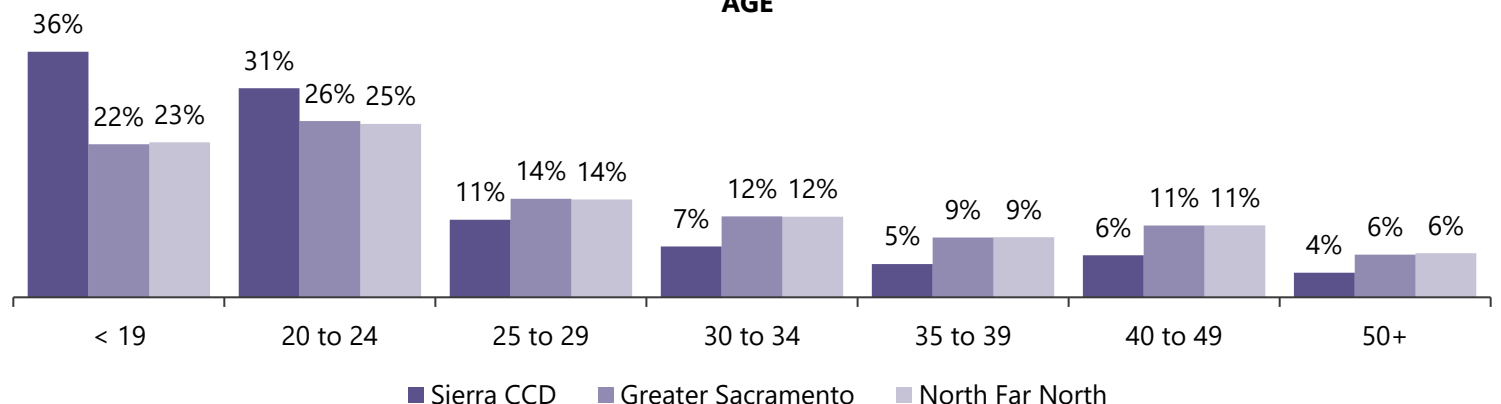
## GENDER

	Female	Male	Non-Binary	Unknown/Masked
Sierra CCD	51%	46%	1%	2%
Greater Sac.	47%	51%	1%	2%
North Far North	48%	50%	1%	2%

## RACE/ETHNICITY



## AGE



# CONCLUSION

This report identifies key focus occupations across each sector in Nevada and Placer Counties, analyzing both demand and supply data to illuminate workforce gaps. Demand data reflects 2023 job count as well as projected annual job openings through 2028, while supply data compares educational awards across Sierra Community College District, the Greater Sacramento subregion, and the North Far North region. Together, these insights offer a foundation for targeted workforce development interventions.

The occupational analysis emphasizes the critical role of the 177 focus occupations, which accounted for 42% of all jobs in 2023 and are projected to generate 13,954 annual openings through 2028. These occupations span 12 CCCC sectors, with Health representing the largest share (31 occupations) and highest projected change in jobs (20%). The Business and Entrepreneurship sector had the highest 2023 job volume (34,672) and annual job openings (4,217), while ICT/Digital Media offers the highest entry-level wage at \$31.07 per hour.

Notably, all 12 sectors show a partial undersupply of educational awards relative to job openings. Among the sectors, Business and Entrepreneurship boasts the most substantial gap (3,712), followed by Health (3,267); ICT/Digital Media shows the lowest gap (38).

It should be noted that not all occupations within each sector were studied in this report. Also, supply data does not include non-community college awards. Therefore, both annual openings and the number of awards conferred are undercounted.

**When reviewing the data in this report, regional community colleges could consider the following questions:**

- How is labor market data being utilized to guide the development of high-wage, high-demand academic and career pathways?
- How is your college ensuring that curriculum design aligns with evolving industry standards while embedding inclusive pedagogy to support success for all students?
- How is your college structuring new or existing programs to attract diverse student populations, foster persistence, and drive equitable outcomes?
- How is your college collaborating with local employers and industry groups to advance inclusive hiring practices?
- What insights has your college gained from previous outreach strategies (e.g., marketing campaigns, grassroots partnerships), and how can those approaches be leveraged to boost enrollment in high demand and/or high-wage career pathways?

# APPENDIX A: BLS OCCUPATIONS VS FOCUS OCCUPATIONS

Of the 796 occupations classified by BLS, 177 met one of the three criteria identified for this report, representing 22% of the total number of occupations in the BLS SOC system that qualified.

The 177 occupations analyzed in this report comprise 42% of all Nevada and Placer Counties' jobs in 2023 and 40% of its annual openings. Exhibit 31 visualizes the total number of occupations compared to those analyzed in this report by CCCCCO sector.

**Exhibit 31: Number of BLS Occupations vs. Number Analyzed in this Report by Sector**

Sector	Total # of BLS Occupations	Total # of Occupations in this Report	% of Total BLS Occupations
Advanced Manufacturing	104	18	17%
Advanced Transportation and Logistics	62	19	31%
Agriculture, Water, and Environmental Technologies	42	10	24%
Business and Entrepreneurship	101	28	28%
Education and Human Development	35	4	11%
Energy, Construction, and Utilities	113	30	27%
Health	101	31	31%
ICT/Digital Media	49	9	18%
Life Sciences and Biotechnology	8	4	50%
Other/Unassigned	102	7	7%
Public Safety	29	11	38%
Retail, Hospitality, and Tourism	50	6	12%
<b>Grand Total</b>	<b>796</b>	<b>177</b>	<b>22%</b>



# APPENDIX B: METHODOLOGY AND DATA SOURCES

## Traditional Labor Market Data

This report uses labor market data on job growth, education requirements, and wages to identify occupations in the North Far North (NFN) region that provide economic opportunity for jobseekers.

The data sources used in this study include data from Lightcast (Datarun 2024.3), a labor market analytics firm that specializes in providing insights for workforce development, economic planning, and education. Lightcast compiles its regional and occupational datasets from a variety of federal and state sources. Among these are the Quarterly Census of Employment and Wages (QCEW), which offers detailed industry employment and wage data, and other critical sources such as the U.S. Census Bureau's American Community Survey (ACS) and Quarterly Workforce Indicators, the Bureau of Labor Statistics' Occupational Employment and Wage Statistics and Current Population Survey, and data from the Bureau of Economic Analysis. These combined resources provide comprehensive insights into employment trends, wage patterns, and industry-specific workforce characteristics across the region.

### **The traditional labor market data analyzed in this report includes:**

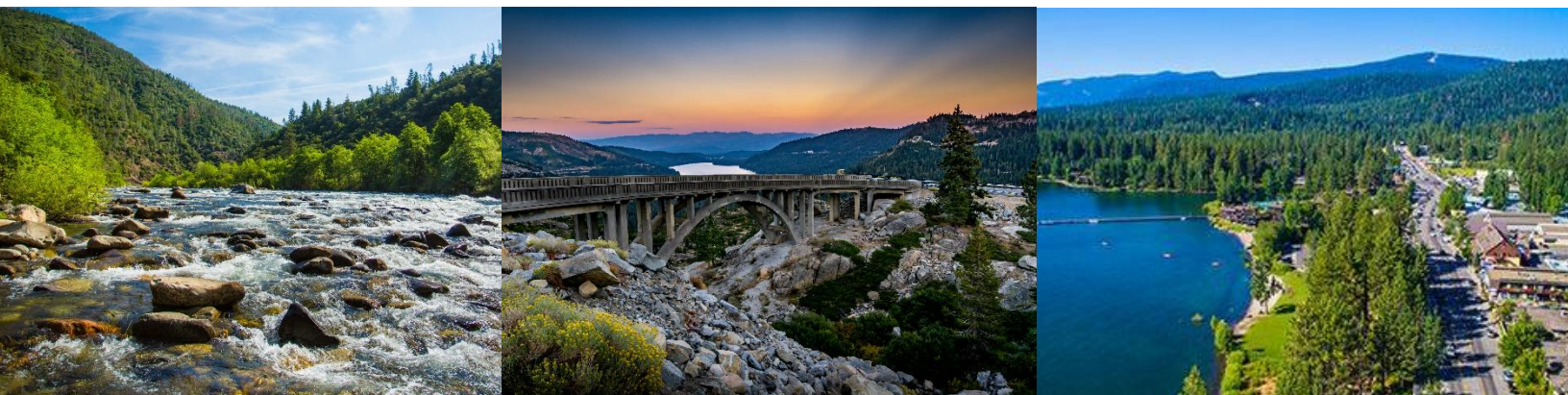
- 2023 Jobs: the number of jobs by occupation in 2023.
- 2028 Jobs: the projected number of jobs by occupation in 2028. Projections are based on the assumption that past trends will continue into the future, including the assumption that the economy, during the projection period, will be at approximately full employment. Projections do not consider potential recessions or labor shocks, such as natural disasters or pandemics, and are intended to capture structural change in the economy over time.
- Change: the projected change in the number of jobs expressed as an actual number and a percentage.
- Average Annual Openings (Demand): the projected number of annual job openings. This figure is the sum of job growth and replacement jobs. Job growth is the result of job creation while replacement jobs are the result of retirements and workers leaving the field, creating the need to hire a replacement.
- Entry-level (25<sup>th</sup> percentile) Hourly Wages: the typical entry-level wages for an occupation; 25% of workers earn less than this amount and 75% earn more.
- Typical Entry-Level Education: represents the typical education level workers need to enter an occupation.
- Educational Attainment: the percentage of workers employed in an occupation by their highest level of education attained.

**This report analyzed data for middle-skill occupations, which are defined as:**

- All occupations that require an educational requirement of some college, associate degree or apprenticeship
- All occupations that require a bachelor's degree, but also have more than one-third of their existing labor force with an educational attainment of some college or associate degree
- All occupations that require a high school diploma or equivalent or no formal education but also require short- to long-term on-the-job training where multiple community colleges have existing programs

To identify career education (CE) programs, the North Far North COE used a crosswalk created by the Centers of Excellence to determine alignment between occupations and Taxonomy of Program (TOP) codes. From that list, we identified TOP codes for which student data was available in DataVista, a statewide data system supported by the California Community Colleges Chancellor's Office (CCCCO) that provides data on progress, success, employment, and earnings outcomes for California community college students.

TOP codes are used to categorize instructional programs offered at community colleges across the state. They are also used to organize and report on program offerings, which enables consistent tracking of enrollment, completion, and other performance metrics. Each TOP code represents a specific discipline or field of study, and colleges assign these codes to their programs to ensure alignment with state reporting requirements and to facilitate analysis of educational trends which aligns each program with a Classification of Instructional Programs (CIP) code.



### Important Disclaimers

All representations included in this report have been produced from primary research and/or secondary review of publicly and/or privately available data and/or research reports. This study examines the most recent data available at the time of the analysis; however, data sets are updated regularly and may not be consistent with previous reports. Efforts have been made to qualify and validate the accuracy of the data and the report findings; however, neither the Centers of Excellence for Labor Market Research (COE), COE host district, nor California Community Colleges Chancellor's Office are responsible for the applications or decisions made by individuals and/or organizations based on this study or its recommendations.

**Prepared by the North Far North Center of Excellence for Labor Market Research:**

**Ebony J. Benzing, Co-Director**

[ebony.benzing@losrios.edu](mailto:ebony.benzing@losrios.edu)

**Supported by:**

**Juan Madrigal, Research Consultant**

[juan@coeccc.net](mailto:juan@coeccc.net)



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