



2025

**BUTTE-GLENN
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 Butte-Glenn Community College District (Butte-Glenn CCD) serves as a key educational hub in Butte and Glenn Counties, offering a broad range of programs designed to meet the diverse needs of students and the region's workforce. The district operates Butte College, the district's main campus in Oroville, and two other campuses, Chico Center and Glenn County Center in Orland.

"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 (Butte and Glenn Counties) accounted for 98,494 out of nearly 1.7 million jobs in 2023, representing 6% of all jobs in the North Far North Region.¹ The number of jobs in the district service area is expected to grow by 4% through 2028, resulting in 12,801 projected annual openings.

District Service Area: Key Facts



98,494

Number of Jobs
in 2023



+4,063

5-Year Change
in Jobs through
2028



4%

5-Year Percent
Change in Jobs



12,801

Annual
Openings
(2023-2028)



9,679

Business
Establishments



226 of 796

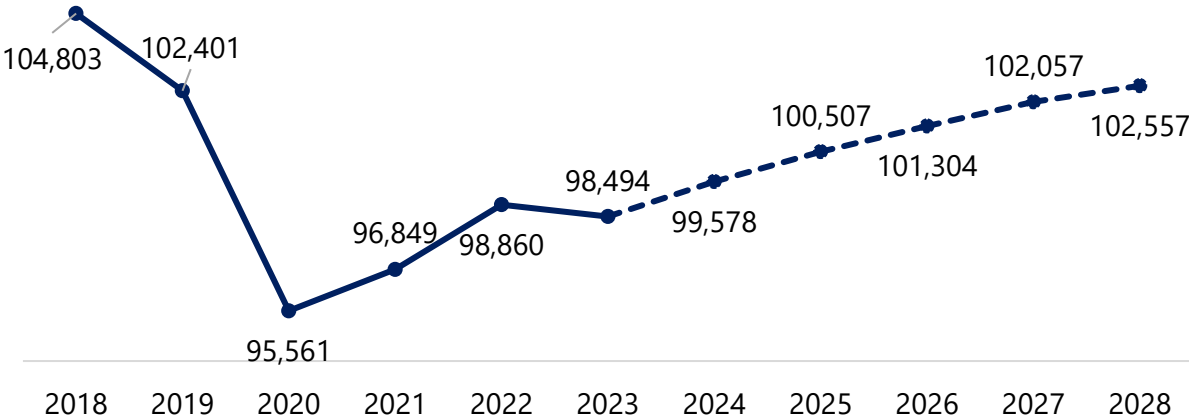
Occupations meet or
exceed the Living Wage
(\$21.95/hour)

¹ 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 (Butte and Glenn Counties) declined from 104,803 jobs to 98,494, reflecting the impact and slow recovery from the Covid-19 pandemic (Exhibit 1). Employment is projected to increase to 102,557 jobs by 2028, representing the addition of more than 4,000 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 43,909 out of 98,494 jobs, constituting 45% of the total workforce in the district service area (Butte and Glenn Counties) (Exhibit 3).

Exhibit 2: Number of occupations by skill level

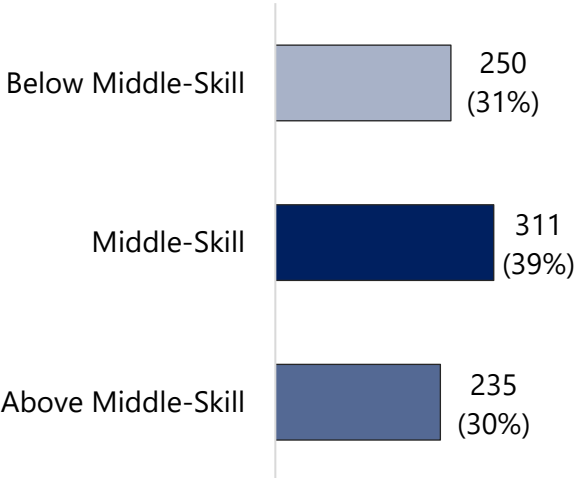
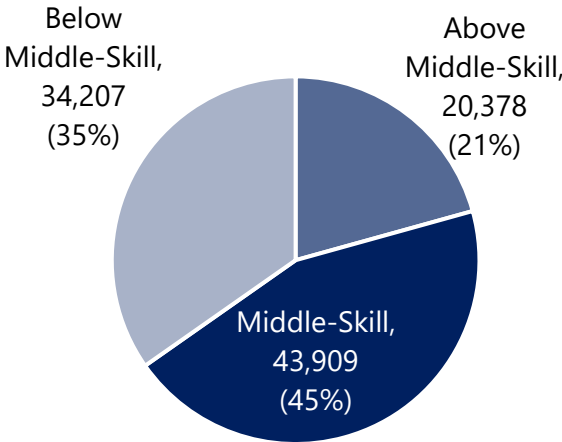


Exhibit 3: Share of 2023 jobs by skill level



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

Focus Occupations

This section of the report highlights 152 "focus occupations," representing 19% 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 \$21.95/hour in Butte County, or both. Collectively, these 152 jobs accounted for 41,733 jobs in 2023, making them a critical component of the district service area (Butte and Glenn Counties) workforce.

41,733

Number of
2023 Jobs in Focus
Occupations

5,200

Annual Openings in Focus
Occupations
(2023-2028)

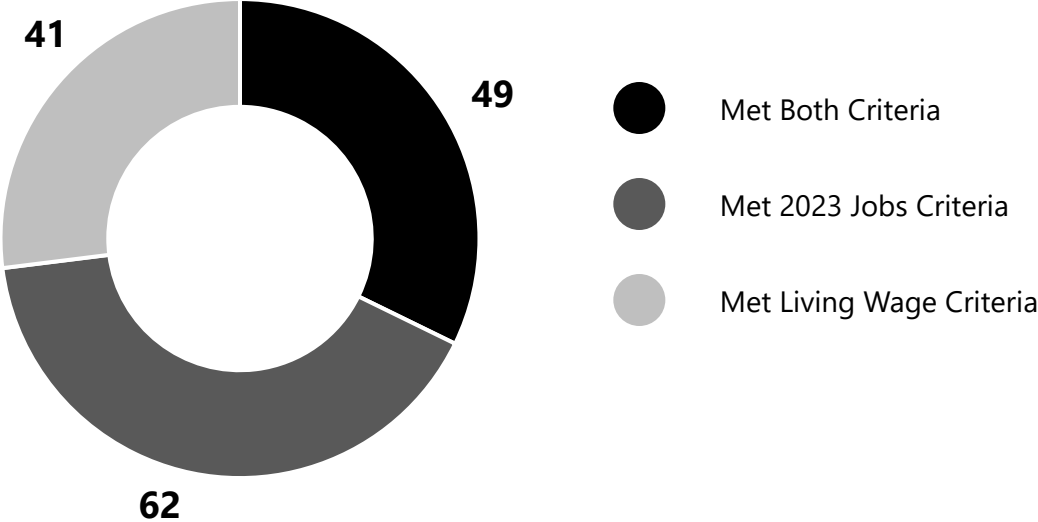
42%

Share of Total Jobs in 2023

These focus occupations underscore their importance by comprising 42% of all jobs in 2023 and demonstrating strong growth potential, with 5,200 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.

152

Occupations



Focus Occupations by CCCCCO Sector

The 152 focus occupations identified in this report span the 12 CCCCCO sectors, with the Business and Entrepreneurship sector accounting for 28 occupations, the most of any sector. The Health sector had the highest number of jobs in 2023 (13,546), projected change in jobs (12%), and annual job openings (1,994). The Public Safety sector had the highest weighted entry-level hourly wage (\$29.46) of all sectors. Exhibit 4 shows the sectors represented by these 152 occupations, sorted alphabetically by sector.

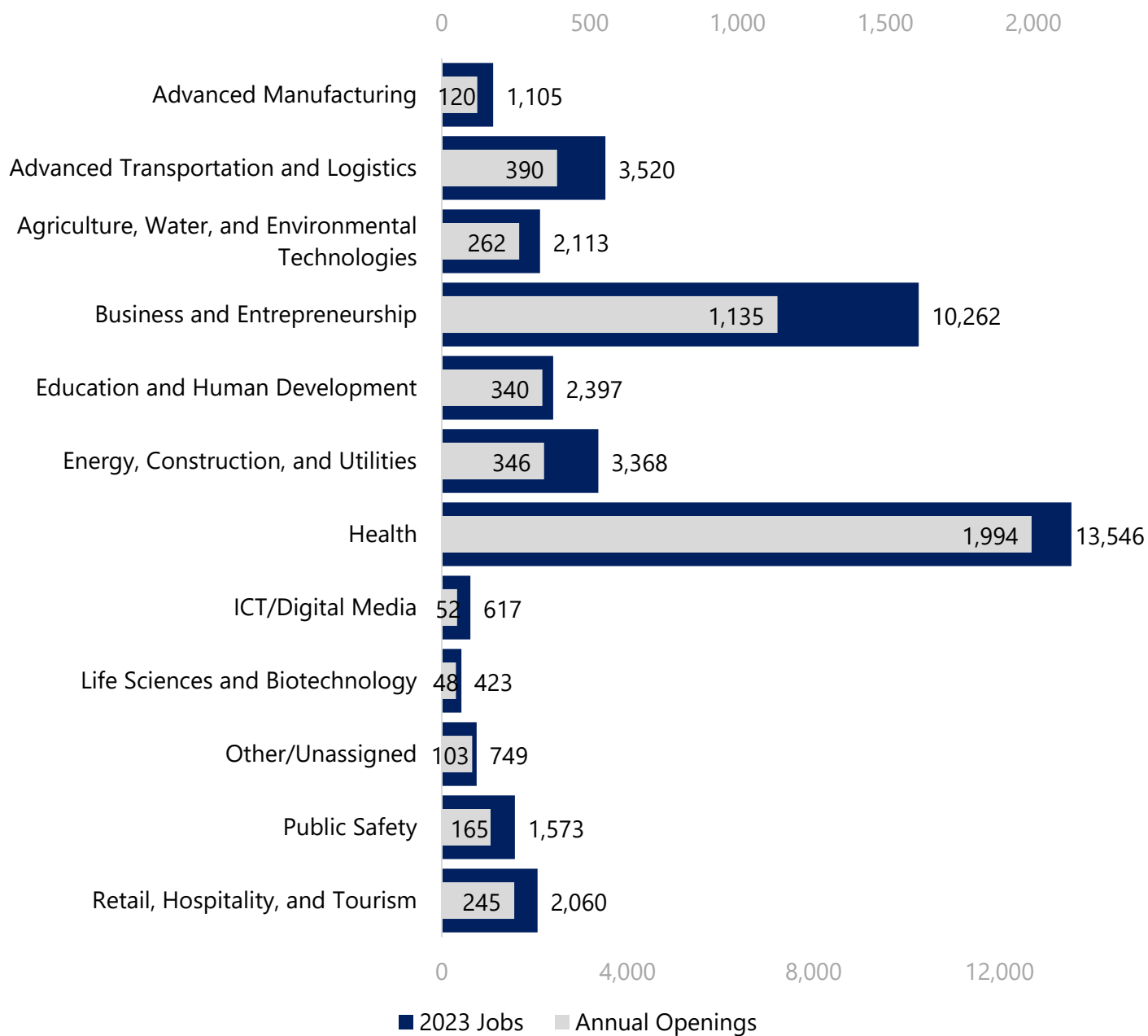
Exhibit 4: Current employment, projected occupational demand, and entry-level wages of focus occupations by CCCCCO sector

Sector	Number of Focus Occupations	2023 Jobs	5-Year Change	5-Year % Change	Annual Openings	Entry-Level Hourly Wage
Advanced Manufacturing	11	1,105	71	6%	120	\$24.13
Advanced Transportation and Logistics	23	3,520	192	5%	390	\$23.49
Agriculture, Water, and Environmental Technologies	8	2,113	31	1%	262	\$16.88
Business and Entrepreneurship	28	10,262	(78)	(1%)	1,135	\$20.00
Education and Human Development	4	2,397	62	3%	340	\$16.99
Energy, Construction, and Utilities	22	3,368	173	5%	346	\$25.25
Health	26	13,546	1,669	12%	1,994	\$24.83
ICT/Digital Media	8	617	(2)	0%	52	\$23.75
Life Sciences and Biotechnology	4	423	30	7%	48	\$20.94
Other/Unassigned	5	749	(21)	(3%)	103	\$21.10
Public Safety	8	1,573	90	6%	165	\$29.46
Retail, Hospitality, and Tourism	5	2,060	2	0%	245	\$19.01
Total	152	41,733	2,220	5%	5,200	\$22.46

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. Health has the highest number of jobs (13,546) and openings (1,994), while sectors like ICT/Digital Media and Life Sciences and Biotechnology show 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 Butte-Glenn Community College District is compared to the annual openings (demand) of the 152 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, Health boasts the most substantial gap (1,474), closely trailed by Business and Entrepreneurship (863), then Advanced Transportation and Logistics (320). In contrast, Public Safety has the most oversupply (-130), followed by Advanced Manufacturing (-92), and ICT/Digital Media (-54).

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	Butte-Glenn CCD 3-Yr Average Awards
Advanced Manufacturing	120	212
Advanced Transportation and Logistics	390	70
Agriculture, Water, and Environmental Technologies	262	60
Business and Entrepreneurship	1,135	271
Education and Human Development	340	165
Energy, Construction, and Utilities	346	65
Health	1,994	520
ICT/Digital Media	52	106
Life Sciences and Biotechnology	48	0
Other/Unassigned	103	0
Public Safety	165	295
Retail, Hospitality, and Tourism	245	7

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

ADVANCED MANUFACTURING

Community College Supply

Employment Demand

1,105

Jobs in 2023

120

Annual Openings

212

Awards

11 Advanced Manufacturing Occupations

4

met both criteria

4

met 2023 jobs criteria

3

met living wage criteria

152
Focus
Occupations

Demand

In 2023 in the district service area, there were 1,105 jobs in the 11 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	51-1011	First-Line Supervisors of Production and Operating Workers	277	21	31	\$26.70
	49-9041	Industrial Machinery Mechanics	250	33	27	\$23.04
	51-8091	Chemical Plant and System Operators	36	8	5	\$38.35
	49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	43	4	4	\$39.12
2023 Jobs	51-4121	Welders, Cutters, Solderers, and Brazers	238	11	27	\$20.64
	51-4041	Machinists	74	(2)	8	\$19.66
	51-5112	Printing Press Operators	67	(5)	6	\$17.18
	51-9161	Computer Numerically Controlled Tool Operators	65	(5)	6	\$19.04
Living Wage	49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	30	2	3	\$35.18
	17-3023	Electrical and Electronic Engineering Technologists and Technicians	12	2	2	\$26.27
	49-9044	Millwrights	13	1	1	\$23.98

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 Butte-Glenn Community College District (CCD), an average of 212 awards were conferred each year, compared to 274 in the Far North subregion. The top-producing program at Butte-Glenn CCD was Welding Technology, with an average of 149 awards annually. More than three-fourths (77%) of all awards in the Far North subregion were conferred by Butte-Glenn CCD.

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

Program Name (TOP)	Butte-Glenn CCD 3-Yr Average (2021-24)	Far North 3-Yr Average (2021-24)	NFN 3-Yr Average (2021-24)
Aeronautical and Aviation Technology (0950.00)	-	-	20
Computer Electronics (0934.10)	-	3	3
Electrical, Electronic, and Electro-Mechanical Drafting (0953.30)	-	-	1
Electronics and Electric Technology (0934.00)	-	-	41
Engineering Technology, General (requires Trigonometry) (0924.00)	8	8	10
Fashion Production (1303.30)	-	-	7
Industrial Electronics (0934.20)	-	-	37
Industrial Systems Technology and Maintenance (0945.00)	-	1	8
Machining and Machine Tools (0956.30)	-	7	11
Manufacturing and Industrial Technology (0956.00)	46	48	64
Mechanical Drafting (0953.40)	9	9	13
Ocean Technology (1920.00)	-	0	0
Welding Technology (0956.50)	149	198	282

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

ADVANCED TRANSPORTATION AND LOGISTICS

Community College Supply

Employment Demand

3,520

Jobs in 2023

390

Annual Openings

70

Awards

23 Advanced Transportation and Logistics Occupations

6

met both criteria

6

met 2023 jobs criteria

11

met living wage criteria

152
Focus
Occupations

Demand

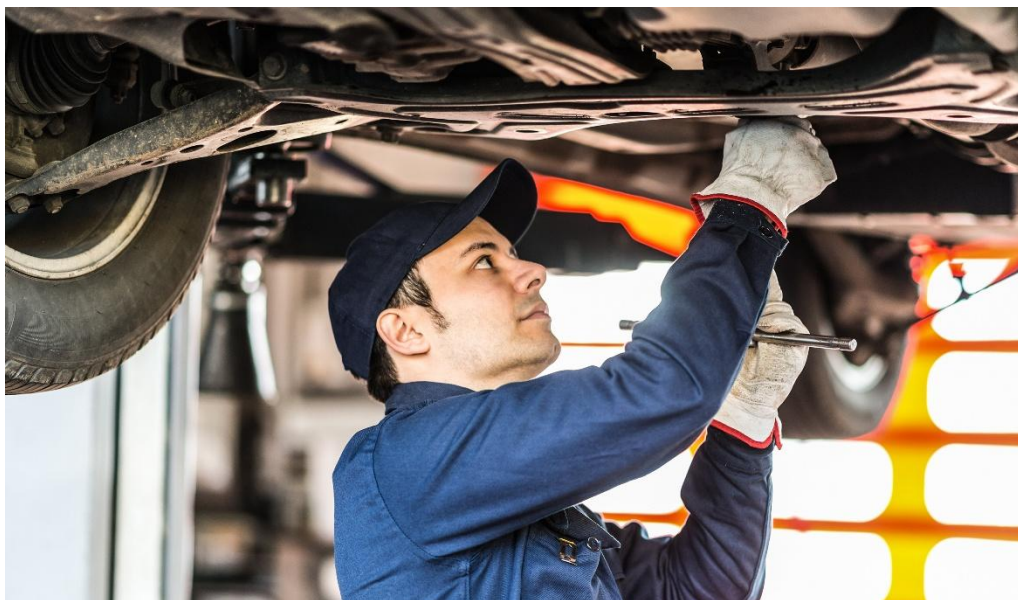
In 2023 in the district service area, there were 3,520 jobs in the 23 focus occupations in Advanced Transportation and Logistics. Exhibit 9 shows the annual openings and wage for each occupation.

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	318	24	32	\$29.46
	53-3052	Bus Drivers, Transit and Intercity	109	9	16	\$29.01
	49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	134	8	13	\$24.38
	49-3092	Recreational Vehicle Service Technicians	86	4	10	\$22.75
	49-3042	Mobile Heavy Equipment Mechanics, Except Engines	106	3	10	\$27.32
	11-3071	Transportation, Storage, and Distribution Managers	87	7	8	\$33.31
2023 Jobs	53-3032	Heavy and Tractor-Trailer Truck Drivers	1,087	75	133	\$20.59
	49-3023	Automotive Service Technicians and Mechanics	445	9	43	\$19.17
	53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	290	16	33	\$21.71
	43-5061	Production, Planning, and Expediting Clerks	193	10	22	\$19.63
	49-3021	Automotive Body and Related Repairers	82	5	9	\$20.76
	49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	83	(15)	6	\$21.22

Criteria Met	SOC	Occupation	2023 Jobs	5-Year Change	Annual Openings	Entry-Level Hourly Wage
Living Wage	53-2012	Commercial Pilots	45	20	10	\$37.96
	53-4041	Subway and Streetcar Operators	66	0	6	\$30.47
	49-3011	Aircraft Mechanics and Service Technicians	52	10	6	\$22.09
	13-1081	Logisticians	51	8	6	\$30.90
	53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	61	0	6	\$24.38
	49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	55	1	6	\$23.22
	53-4031	Railroad Conductors and Yardmasters	59	1	5	\$27.98
	49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	46	1	4	\$39.68
	53-4011	Locomotive Engineers	27	0	2	\$38.47
	53-5021	Captains, Mates, and Pilots of Water Vessels	20	(3)	2	\$22.85
	53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	18	1	2	\$27.10

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 Butte-Glenn Community College District (CCD), an average of 70 awards were conferred each year, compared to 120 in the Far North subregion. The top-producing program at Butte-Glenn CCD was Heavy Equipment Operation, with an average of 41 awards annually. Approximately 58% of all awards in the Far North subregion were conferred by Butte-Glenn CCD.

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

Program Name (TOP)	Butte-Glenn CCD 3-Yr Average (2021-24)	Far North 3-Yr Average (2021-24)	NFN 3-Yr Average (2021-24)
Air Traffic Control (3020.30)	-	-	6
Alternative Fuels and Advanced Transportation Technology (0948.40)	-	-	0
Automotive Collision Repair (0949.00)	-	-	5
Automotive Technology (0948.00)	22	58	193
Aviation Airframe Mechanics (0950.10)	-	-	3
Aviation and Airport Management (3020.10)	-	-	1
Aviation and Airport Management and Services (3020.00)	-	-	2
Aviation Powerplant Mechanics (0950.20)	-	-	3
Diesel Technology (0947.00)	7	13	33
Heavy Equipment Operation (0947.30)	41	49	49
International Business and Trade (0508.00)	-	-	15
Motorcycle, Outboard and Small Engine Repair (0948.30)	-	-	0
Piloting (3020.20)	-	-	7
Railroad and Light Rail Operations (0947.40)	-	-	1

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

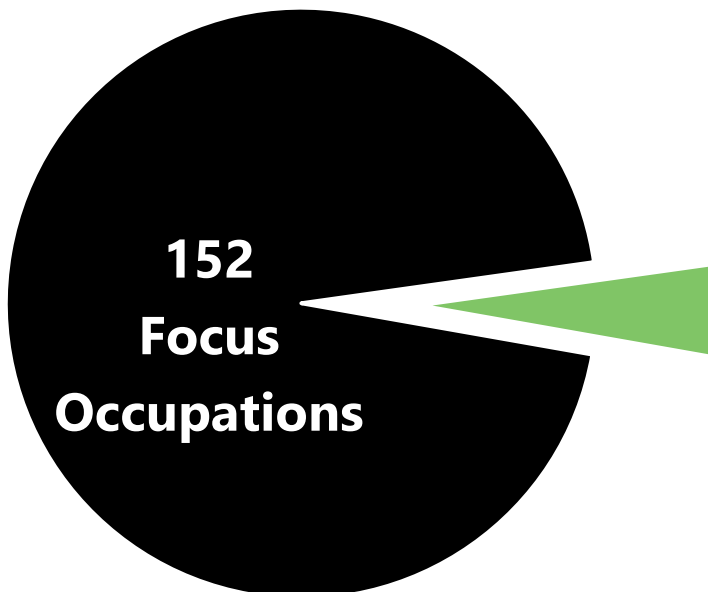
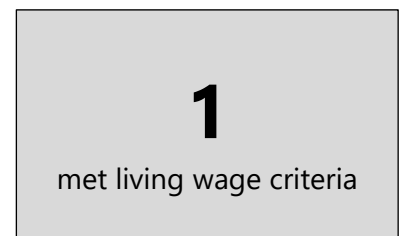
AGRICULTURE, WATER, AND ENVIRONMENTAL TECHNOLOGIES



Community College Supply



8 Agriculture, Water, and Environmental Technologies Occupations



Demand

In 2023 in the district service area, there were 2,113 jobs in the 8 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
Both	19-4071	Forest and Conservation Technicians	184	(3)	23	\$22.34
	11-9013	Farmers, Ranchers, and Other Agricultural Managers	1,163	2	124	\$15.50
2023 Jobs	45-4011	Forest and Conservation Workers	183	4	34	\$15.51
	31-9096	Veterinary Assistants and Laboratory Animal Caretakers	130	9	28	\$17.31
	45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	178	7	25	\$16.99
	37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	132	3	14	\$17.66
	49-3041	Farm Equipment Mechanics and Service Technicians	80	1	7	\$21.13
Living Wage	29-2056	Veterinary Technologists and Technicians	63	7	7	\$22.21

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 Butte-Glenn Community College District (CCD), an average of 60 awards were conferred each year, compared to 210 in the Far North subregion. The top-producing program at Butte-Glenn CCD was Agriculture Business, Sales and Service, with an average of 24 awards annually. Approximately 29% of all awards in the Far North subregion were conferred by Butte-Glenn CCD.

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

Program Name (TOP)	Butte-Glenn CCD 3-Yr Average (2021-24)	Far North 3-Yr Average (2021-24)	NFN 3-Yr Average (2021-24)
Agricultural Pest Control Adviser and Operator (Licensed) (0103.10)	1	1	2
Agricultural Power Equipment Technology (0116.00)	8	41	41
Agriculture Business, Sales and Service (0112.00)	24	30	38
Agriculture Technology and Sciences, General (0101.00)	1	50	79
Animal Science (0102.00)	-	23	32
Environmental Technology (0303.00)	-	-	19
Equine Science (0102.40)	-	11	12
Floriculture / Floristry (0109.20)	3	3	3
Forestry (0114.00)	1	11	28
Horticulture (0109.00)	3	9	17
Landscape Design and Maintenance (0109.10)	1	1	9
Natural Resources (0115.00)	6	15	47
Nursery Technology (0109.30)	-	0	1
Parks and Outdoor Recreation (0115.10)	1	1	2

Program Name (TOP)	Butte-Glenn CCD 3-Yr Average (2021-24)	Far North 3-Yr Average (2021-24)	NFN 3-Yr Average (2021-24)
Plant Science (0103.00)	7	10	10
Veterinary Technician (Licensed) (0102.10)	-	-	29
Viticulture, Enology, and Wine Business (0104.00)	-	-	1
Wildlife and Fisheries (0115.20)	4	4	4

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



BUSINESS AND ENTREPRENEURSHIP

Community College Supply

Employment Demand

10,262

Jobs in 2023

1,135

Annual Openings

271

Awards

28 Business and Entrepreneurship Occupations

8

met both criteria

13

met 2023 jobs criteria

7

met living wage criteria

152
Focus
Occupations

Demand

In 2023 in the district service area, there were 10,262 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	721	87	78	\$29.88
	43-1011	First-Line Supervisors of Office and Administrative Support Workers	755	(15)	72	\$24.94
	41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	556	22	55	\$22.69
	41-3021	Insurance Sales Agents	306	(39)	24	\$22.08
	43-6011	Executive Secretaries and Executive Administrative Assistants	227	(13)	23	\$28.57
	13-1028	Buyers and Purchasing Agents	185	(2)	17	\$23.98
	11-3012	Administrative Services Managers	175	7	15	\$30.12
	13-1051	Cost Estimators	128	4	11	\$28.20
	2023 Jobs	43-9061	Office Clerks, General	2,093	(28)	250
43-6014		Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	976	(11)	109	\$18.47
43-3031		Bookkeeping, Accounting, and Auditing Clerks	918	(17)	107	\$20.11
43-4051		Customer Service Representatives	780	(19)	105	\$17.21
43-4171		Receptionists and Information Clerks	465	12	65	\$16.82
39-5012		Hairdressers, Hairstylists, and Cosmetologists	355	(23)	49	\$11.57

Criteria Met	SOC	Occupation	2023 Jobs	5-Year Change	Annual Openings	Entry-Level Hourly Wage
2023 Jobs	11-9141	Property, Real Estate, and Community Association Managers	337	0	27	\$16.43
	39-5092	Manicurists and Pedicurists	176	14	24	\$15.50
	41-9022	Real Estate Sales Agents	249	1	21	\$18.65
	41-9099	Sales and Related Workers, All Other	130	(2)	17	\$16.85
	41-1012	First-Line Supervisors of Non-Retail Sales Workers	143	(7)	12	\$18.04
	43-3071	Tellers	103	(18)	10	\$17.20
	43-9041	Insurance Claims and Policy Processing Clerks	121	(27)	10	\$20.32
Living Wage	41-9021	Real Estate Brokers	85	1	7	\$22.62
	11-3013	Facilities Managers	77	6	7	\$33.08
	43-3011	Bill and Account Collectors	65	(8)	6	\$22.21
	39-5091	Makeup Artists, Theatrical and Performance	32	3	6	\$22.92
	13-1031	Claims Adjusters, Examiners, and Investigators	58	(4)	4	\$29.02
	13-2028	Property Appraisers and Assessors	34	(2)	3	\$23.21
	23-2093	Title Examiners, Abstractors, and Searchers	12	(1)	1	\$24.74

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 Butte-Glenn Community College District (CCD), an average of 271 awards were conferred each year, compared to 753 in the Far North subregion. The top-producing program at Butte-Glenn CCD was Business Administration, with an average of 88 awards annually. Approximately 36% of all awards in the Far North subregion were conferred by Butte-Glenn CCD.

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

Program Name (TOP)	Butte-Glenn CCD 3-Yr Average (2021-24)	Far North 3-Yr Average (2021-24)	NFN 3-Yr Average (2021-24)
Accounting (0502.00)	47	132	476
Advertising (0509.10)	-	-	0
Business Administration (0505.00)	88	252	1,406
Business and Commerce, General (0501.00)	-	153	329
Business Management (0506.00)	19	62	175
Cosmetology and Barbering (3007.00)	81	81	139
Customer Service (0518.00)	-	6	6
E-Commerce (Business emphasis) (0509.70)	1	1	1
Legal Office Technology (0514.10)	8	8	11
Management Development and Supervision (0506.30)	-	1	4
Marketing and Distribution (0509.00)	8	14	50
Mortuary Science (1255.00)	-	-	24
Real Estate (0511.00)	6	12	81
Small Business and Entrepreneurship (0506.40)	5	23	80
Tax Studies (0502.10)	8	8	17

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

EDUCATION AND HUMAN DEVELOPMENT

Community College Supply

Employment Demand

2,397

Jobs in 2023

340

Annual Openings

165

Awards

4 Education and Human Development Occupations

152
Focus
Occupations

0

met both criteria

3

met 2023 jobs criteria

1

met living wage criteria

Demand

In 2023 in the district service area, there were 2,397 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	1,244	97	169	\$17.32
	39-9011	Childcare Workers	717	(45)	120	\$15.50
	25-2011	Preschool Teachers, Except Special Education	377	2	41	\$16.70
Living Wage	25-2012	Kindergarten Teachers, Except Special Education	59	7	10	\$30.14

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 Butte-Glenn Community College District (CCD), an average of 165 awards were conferred each year, compared to 362 in the Far North subregion. The top-producing program at Butte-Glenn CCD was Child Development/Early Care and Education, with an average of 131 awards annually. Approximately 46% of all awards in the Far North subregion were conferred by Butte-Glenn CCD.

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

Program Name (TOP)	Butte-Glenn CCD 3-Yr Average (2021-24)	Far North 3-Yr Average (2021-24)	NFN 3-Yr Average (2021-24)
Child and Adolescent Development (1305.10)	24	24	52
Child Development Administration and Management (1305.80)	-	-	21
Child Development/Early Care and Education (1305.00)	131	314	1,030

Program Name (TOP)	Butte-Glenn CCD 3-Yr Average (2021-24)	Far North 3-Yr Average (2021-24)	NFN 3-Yr Average (2021-24)
Children with Special Needs (1305.20)	-	-	3
Family Studies (1308.00)	-	10	10
Infants and Toddlers (1305.90)	-	-	18
Other Education (0899.00)	-	-	1
Parenting and Family Education (1305.60)	7	7	7
Recreation (0836.00)	-	4	15
Recreation Assistant (0836.10)	-	-	1
Sign Language Interpreting (0850.10)	-	-	29
Special Education (0809.00)	3	3	3
The School Age Child (1305.50)	-	-	4

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



ENERGY, CONSTRUCTION, AND UTILITIES

Community College Supply

Employment Demand

3,368

Jobs in 2023

346

Annual Openings

65

Awards

22 Energy, Construction, and Utilities Occupations

22 Energy, Construction, and Utilities Occupations

152
Focus
Occupations

11

met both criteria

5

met 2023 jobs criteria

6

met living wage criteria

Demand

In 2023 in the district service area, there were 3,368 jobs in the 22 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	47-2031	Carpenters	818	(37)	67	\$21.95
	47-2111	Electricians	409	61	52	\$25.60
	47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	389	20	38	\$28.92
	47-2073	Operating Engineers and Other Construction Equipment Operators	257	23	27	\$26.67
	51-8031	Water and Wastewater Treatment Plant and System Operators	128	9	14	\$26.35
	47-4011	Construction and Building Inspectors	72	3	9	\$30.73
	49-9051	Electrical Power-Line Installers and Repairers	60	17	9	\$25.45
	51-8013	Power Plant Operators	55	16	9	\$48.72
	49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	66	6	8	\$29.78
	49-9052	Telecommunications Line Installers and Repairers	58	10	7	\$45.37
	47-2221	Structural Iron and Steel Workers	66	3	6	\$24.41
2023 Jobs	47-2231	Solar Photovoltaic Installers	214	22	24	\$20.58
	47-2152	Plumbers, Pipefitters, and Steamfitters	210	(1)	19	\$20.12
	49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	203	0	18	\$19.15
	49-9099	Installation, Maintenance, and Repair Workers, All Other	111	(3)	10	\$19.35
	51-7011	Cabinetmakers and Bench Carpenters	84	(5)	8	\$18.70

Criteria Met	SOC	Occupation	2023 Jobs	5-Year Change	Annual Openings	Entry-Level Hourly Wage
Living Wage	49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	44	20	8	\$46.56
	51-8012	Power Distributors and Dispatchers	48	2	4	\$46.00
	17-3011	Architectural and Civil Drafters	31	2	3	\$27.49
	17-3031	Surveying and Mapping Technicians	12	2	2	\$22.53
	17-3022	Civil Engineering Technologists and Technicians	16	1	2	\$26.27
	47-2071	Paving, Surfacing, and Tamping Equipment Operators	17	1	2	\$27.36

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 Butte-Glenn Community College District (CCD), an average of 65 awards were conferred each year, compared to 111 in the Far North subregion. The top-producing program at Butte-Glenn CCD was Environmental Control Technology, with an average of 34 awards annually. More than half (59%) of all awards in the Far North subregion were conferred by Butte-Glenn CCD.

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

Program Name (TOP)	Butte-Glenn CCD 3-Yr Average (2021-24)	Far North 3-Yr Average (2021-24)	NFN 3-Yr Average (2021-24)
Architectural Drafting (0953.10)	-	1	15
Architecture and Architectural Technology (0201.00)	-	-	24
Carpentry (0952.10)	-	13	182
Civil and Construction Management Technology (0957.00)	-	-	25
Construction Crafts Technology (0952.00)	11	11	20
Construction Inspection (0957.20)	0	0	4
Drafting Technology (0953.00)	20	20	36
Drywall and Insulation (0952.80)	-	-	79
Electrical (0952.20)	-	17	60
Energy Systems Technology (0946.10)	-	7	7
Environmental Control Technology (0946.00)	34	34	84
Mill and Cabinet Work (0952.50)	-	6	10
Painting, Decorating, and Flooring (0952.70)	-	-	0
Plumbing, Pipefitting and Steamfitting (0952.30)	-	-	30
Sheet Metal and Structural Metal (0956.40)	-	-	36
Water and Wastewater Technology (0958.00)	-	2	11

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

HEALTH

Community College Supply

Employment Demand

13,546

Jobs in 2023

1,994

Annual Openings

520

Awards

26 Health Occupations

152
Focus
Occupations

6

met both criteria

13

met 2023 jobs criteria

7

met living wage criteria

Demand

In 2023 in the district service area, there were 13,546 jobs in the 26 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	2,436	190	174	\$52.31
	29-2061	Licensed Practical and Licensed Vocational Nurses	459	37	44	\$30.24
	29-1126	Respiratory Therapists	187	19	13	\$38.03
	29-2099	Health Technologists and Technicians, All Other	149	14	13	\$23.46
	29-1292	Dental Hygienists	141	3	10	\$50.18
	29-2034	Radiologic Technologists and Technicians	138	10	9	\$24.17
2023 Jobs	31-1128	Home Health and Personal Care Aides	5,808	1,126	1,158	\$15.64
	31-1131	Nursing Assistants	1,157	85	187	\$18.52
	31-9092	Medical Assistants	675	55	100	\$18.41
	43-6013	Medical Secretaries and Administrative Assistants	689	34	80	\$18.41
	21-1093	Social and Human Service Assistants	305	48	43	\$18.00
	31-9091	Dental Assistants	263	6	38	\$21.48
	29-2052	Pharmacy Technicians	247	1	23	\$19.96
	31-9011	Massage Therapists	122	6	18	\$16.81
	31-9099	Healthcare Support Workers, All Other	120	6	18	\$18.11
	31-9093	Medical Equipment Preparers	95	4	14	\$20.42
	31-2022	Physical Therapist Aides	69	(2)	9	\$15.98
	29-2042	Emergency Medical Technicians	125	(1)	9	\$18.46
29-2072	Medical Records Specialists	94	6	8	\$20.02	

Criteria Met	SOC	Occupation	2023 Jobs	5-Year Change	Annual Openings	Entry-Level Hourly Wage
Living Wage	31-2021	Physical Therapist Assistants	55	6	9	\$33.38
	29-2055	Surgical Technologists	63	6	5	\$25.80
	29-2032	Diagnostic Medical Sonographers	55	6	4	\$47.71
	31-2011	Occupational Therapy Assistants	22	3	4	\$31.54
	29-2031	Cardiovascular Technologists and Technicians	31	2	2	\$29.61
	29-2043	Paramedics	29	(1)	1	\$25.42
	29-1124	Radiation Therapists	12	0	1	\$56.78

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 Butte-Glenn Community College District (CCD), an average of 520 awards were conferred each year, compared to 904 in the Far North subregion. The top-producing program at Butte-Glenn CCD was Paramedic, with an average of 122 awards annually. More than half (58%) of all awards in the Far North subregion were conferred by Butte-Glenn CCD.

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

Program Name (TOP)	Butte-Glenn CCD 3-Yr Average (2021-24)	Far North 3-Yr Average (2021-24)	NFN 3-Yr Average (2021-24)
Administrative Medical Assisting (1208.20)	-	-	18
Alcohol and Controlled Substances (2104.40)	0	16	54
Certified Nurse Assistant (1230.30)	107	115	126
Community Health Care Worker (1261.00)	-	-	12
Dental Assistant (1240.10)	-	17	37
Dental Hygienist (1240.20)	-	10	27
Diagnostic Medical Sonography (1227.00)	-	-	7
Emergency Medical Services (1250.00)	39	41	79
Gerontology (1309.00)	-	-	13
Health Information Coding (1223.10)	6	6	10
Health Information Technology (1223.00)	-	20	39
Health Occupations, General (1201.00)	21	21	719
Home Health Aide (1230.80)	1	1	4
Licensed Vocational Nursing (1230.20)	36	108	153
Medical Assisting (1208.00)	-	16	63
Medical Laboratory Technology (1205.00)	-	-	12
Medical Office Technology (0514.20)	47	55	58
Nutrition, Foods, and Culinary Arts (1306.00)	6	7	30
Occupational Therapy Technology (1218.00)	-	-	16

Program Name (TOP)	Butte-Glenn CCD 3-Yr Average (2021-24)	Far North 3-Yr Average (2021-24)	NFN 3-Yr Average (2021-24)
Optical Technology (1219.00)	-	-	1
Other Health Occupations (1299.00)	-	-	15
Paramedic (1251.00)	122	179	188
Pharmacy Technology (1221.00)	-	-	12
Physical Therapist Assistant (1222.00)	-	22	43
Psychiatric Technician (1239.00)	-	-	11
Radiologic Technology (1225.00)	-	-	27
Registered Nursing (1230.10)	118	253	473
Respiratory Care/Therapy (1210.00)	17	17	29
Speech/Language Pathology and Audiology (1220.00)	-	-	33

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



ICT/ DIGITAL MEDIA

Community College Supply

Employment Demand

617

Jobs in 2023

52

Annual Openings

106

Awards

8 ICT/Digital Media Occupations

152
Focus
Occupations

4

met both criteria

3

met 2023 jobs criteria

1

met living wage criteria

Demand

In 2023 in the district service area, there were 617 jobs in the 8 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	195	5	14	\$24.12
	15-1244	Network and Computer Systems Administrators	82	5	6	\$33.77
	15-1231	Computer Network Support Specialists	33	2	3	\$23.56
	15-1241	Computer Network Architects	39	(1)	2	\$37.12
2023 Jobs	27-2011	Actors	116	(3)	13	\$16.46
	15-1255	Web and Digital Interface Designers	72	(1)	5	\$20.23
	27-4021	Photographers	53	(6)	5	\$15.42
Living Wage	27-2032	Choreographers	27	(1)	4	\$28.63

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 Butte-Glenn Community College District (CCD), an average of 106 awards were conferred each year, compared to 255 in the Far North subregion. The top-producing program at Butte-Glenn CCD was Computer Information Systems, with an average of 22 awards annually. Approximately 42% of all awards in the Far North subregion were conferred by Butte-Glenn CCD.

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

Program Name (TOP)	Butte-Glenn CCD 3-Yr Average (2021-24)	Far North 3-Yr Average (2021-24)	NFN 3-Yr Average (2021-24)
Animation (0614.40)	-	-	11
Applied Photography (1012.00)	4	4	43
Broadcast Journalism (0604.30)	-	-	0
Commercial Art (1013.00)	-	-	0
Commercial Music (1005.00)	4	7	45
Computer Graphics and Digital Imagery (0614.60)	-	-	4
Computer Information Systems (0702.00)	22	26	56
Computer Infrastructure and Support (0708.00)	4	25	108
Computer Networking (0708.10)	-	44	140
Computer Programming (0707.10)	-	-	104
Computer Software Development (0707.00)	-	-	20
Computer Support (0708.20)	2	2	18
Computer Systems Analysis (0707.30)	-	-	15
Database Design and Administration (0707.20)	-	-	18
Digital Media (0614.00)	-	3	65
Electronic Game Design (0614.20)	-	-	7
Film Production (0612.20)	-	-	19

Program Name (TOP)	Butte-Glenn CCD 3-Yr Average (2021-24)	Far North 3-Yr Average (2021-24)	NFN 3-Yr Average (2021-24)
Geographic Information Systems (2206.10)	-	9	25
Graphic Art and Design (1030.00)	8	21	92
Information Technology, General (0701.00)	-	1	42
Journalism (0602.00)	4	4	28
Multimedia (0614.10)	9	9	44
Office Technology/Office Computer Applications (0514.00)	18	67	121
Other Information Technology (0799.00)	-	-	0
Radio (0604.10)	-	-	1
Radio and Television (0604.00)	13	13	33
Software Applications (0702.10)	-	-	22
Telecommunications Technology (0934.30)	-	-	7
Television (including combined TV/Film/Video) (0604.20)	18	18	32
Website Design and Development (0614.30)	-	1	14
World Wide Web Administration (0709.00)	-	1	5

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



LIFE SCIENCES AND BIOTECHNOLOGY



Community College Supply

Employment Demand

423

Jobs in 2023

48

Annual Openings

0

Awards

4 Life Sciences and Biotechnology Occupations

152
Focus
Occupations

1

met both criteria

2

met 2023 jobs criteria

1

met living wage criteria

Demand

In 2023 in the district service area, there were 423 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	29-2018	Clinical Laboratory Technologists and Technicians	146	9	11	\$23.65
	51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	158	13	21	\$17.88
2023 Jobs	19-4021	Biological Technicians	93	5	13	\$21.17
	49-9062	Medical Equipment Repairers	26	3	3	\$23.54
Living Wage						

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. There were no awards conferred by Butte-Glenn CCD or in the Far North subregion.

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

Program Name (TOP)	Butte-Glenn CCD 3-Yr Average (2021-24)	Far North 3-Yr Average (2021-24)	NFN 3-Yr Average (2021-24)
Biomedical Instrumentation (0934.60)	-	-	10
Biotechnology and Biomedical Technology (0430.00)	-	-	5
Laboratory Science Technology (0955.00)	-	-	30

Source: California Community Colleges Chancellor’s Management Information Systems DataMart

OTHER/ UNASSIGNED



Community College Supply

Employment Demand

749 Jobs in 2023	103 Annual Openings
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0
Awards

5 Other/Unassigned Occupations

152
Focus
Occupations

2
met both criteria

3
met 2023 jobs criteria

0
met living wage criteria

Demand

In 2023 in the district service area, there were 749 jobs in the 5 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
Both	23-2011	Paralegals and Legal Assistants	164	(18)	16	\$22.96
	11-9131	Postmasters and Mail Superintendents	70	2	6	\$47.90
2023 Jobs	39-9031	Exercise Trainers and Group Fitness Instructors	291	12	57	\$16.04
	43-4031	Court, Municipal, and License Clerks	114	6	13	\$19.64
	43-6012	Legal Secretaries and Administrative Assistants	110	(22)	11	\$16.10

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. While Butte-Glenn Community College District (CCD) did not confer any awards in related programs, there was an average of 94 awards in the Far North subregion.

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

Program Name (TOP)	Butte-Glenn CCD 3-Yr Average (2021-24)	Far North 3-Yr Average (2021-24)	NFN 3-Yr Average (2021-24)
Fitness Trainer (0835.20)	-	2	4
Human Services (2104.00)	-	64	144
Library Technician (Aide) (1602.00)	-	-	19
Other Engineering and Related Industrial Technologies (0999.00)	-	27	28
Paralegal (1402.00)	-	-	88
Technical Theater (1006.00)	-	1	6

Source: California Community Colleges Chancellor’s Management Information Systems DataMart

PUBLIC SAFETY

Community College Supply

Employment Demand

1,573

Jobs in 2023

165

Annual Openings

295

Awards

8 Public Safety Occupations

152
Focus
Occupations

4

met both criteria

1

met 2023 jobs criteria

3

met living wage criteria

Demand

In 2023 in the district service area, there were 1,573 jobs in the 8 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	33-3012	Correctional Officers and Jailers	482	4	42	\$31.56
	33-3051	Police and Sheriff's Patrol Officers	399	20	35	\$35.27
	33-2011	Firefighters	154	12	14	\$25.11
	43-5031	Public Safety Telecommunicators	101	3	11	\$28.00
2023 Jobs	33-9032	Security Guards	321	43	54	\$16.62
Living Wage	33-1012	First-Line Supervisors of Police and Detectives	54	3	4	\$50.42
	33-1021	First-Line Supervisors of Firefighting and Prevention Workers	52	2	4	\$37.13
	33-3021	Detectives and Criminal Investigators	10	2	1	\$38.39

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



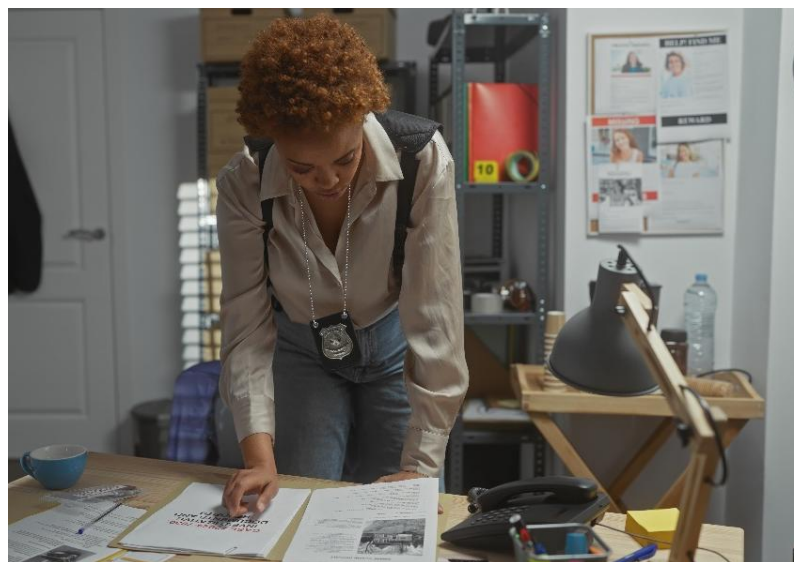
Supply

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 Butte-Glenn Community College District (CCD), an average of 295 awards were conferred each year, compared to 709 in the Far North subregion. The top-producing program at Butte-Glenn CCD was Police Academy, with an average of 110 awards annually. Approximately 42% of all awards in the Far North subregion were conferred by Butte-Glenn CCD.

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

Program Name (TOP)	Butte-Glenn CCD 3-Yr Average (2021-24)	Far North 3-Yr Average (2021-24)	NFN 3-Yr Average (2021-24)
Administration of Justice (2105.00)	82	217	655
Corrections (2105.10)	-	-	5
Fire Academy (2133.50)	75	313	407
Fire Technology (2133.00)	28	51	191
Forensics, Evidence, and Investigation (2105.40)	-	0	0
Other Public and Protective Services (2199.00)	-	-	0
Police Academy (2105.50)	110	128	186

Source: California Community Colleges Chancellor’s Management Information Systems DataMart



RETAIL, HOSPITALITY, AND TOURISM



Community College Supply

Employment Demand

2,060

Jobs in 2023

245

Annual Openings

7

Awards

5 Retail, Hospitality, and Tourism Occupations

152
Focus
Occupations

2

met both criteria

3

met 2023 jobs criteria

0

met living wage criteria

Demand

In 2023 in the district service area, there were 2,060 jobs in the 5 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
Both	11-9051	Food Service Managers	293	3	33	\$22.21
	11-9081	Lodging Managers	148	7	16	\$26.84
2023 Jobs	35-1012	First-Line Supervisors of Food Preparation and Serving Workers	612	13	93	\$17.24
	41-1011	First-Line Supervisors of Retail Sales Workers	874	(28)	86	\$17.52
	35-1011	Chefs and Head Cooks	133	6	17	\$21.22

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 Butte-Glenn Community College District (CCD), an average of 7 awards were conferred each year, compared to 79 in the Far North subregion. The only two programs with awards conferred at Butte-Glenn CCD were Fashion Merchandising and Retail Store Operations and Management. Approximately 9% of all awards in the Far North subregion were conferred by Butte-Glenn CCD.

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

Program Name (TOP)	Butte-Glenn CCD 3-Yr Average (2021-24)	Far North 3-Yr Average (2021-24)	NFN 3-Yr Average (2021-24)
Culinary Arts (1306.30)	-	12	50
Family and Consumer Sciences, General (1301.00)	-	49	49
Fashion (1303.00)	-	0	11

Program Name (TOP)	Butte-Glenn CCD 3-Yr Average (2021-24)	Far North 3-Yr Average (2021-24)	NFN 3-Yr Average (2021-24)
Fashion Design (1303.10)	-	-	8
Fashion Merchandising (1303.20)	3	3	10
Hospitality (1307.00)	-	3	5
Interior Design and Merchandising (1302.00)	-	-	15
Office Management (0514.40)	-	-	2
Restaurant and Food Services and Management (1307.10)	-	-	33
Retail Store Operations and Management (0506.50)	4	12	14

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



STRONG WORKFORCE PROGRAM DATA

STUDENT COUNTS

7,270	23,055	92,358
Butte-Glenn CCD	Far North	North Far North

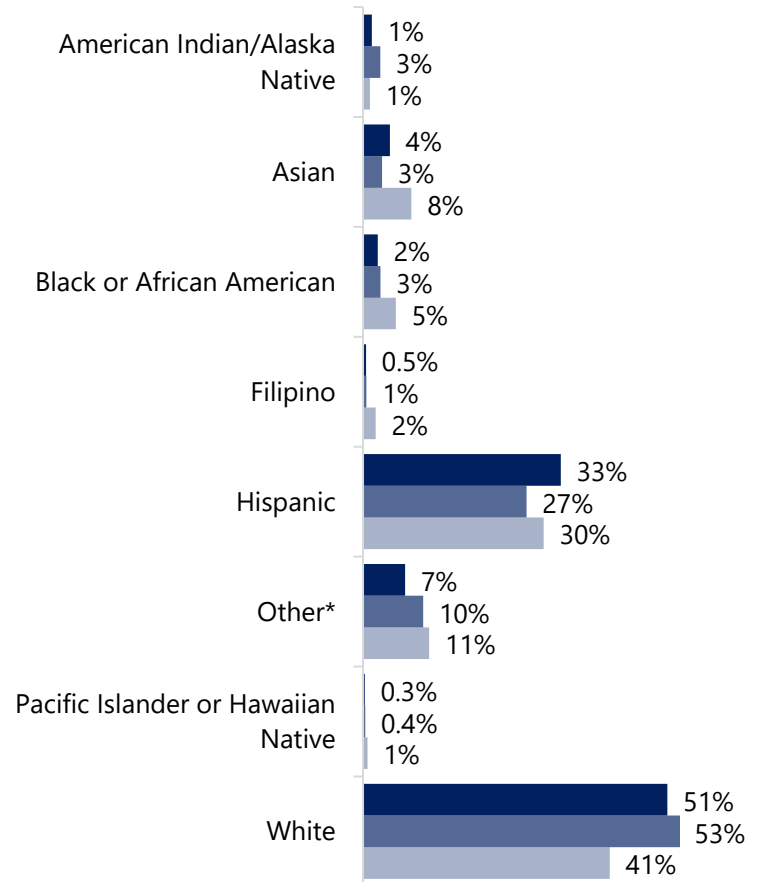
AWARDS (3-YEAR AVERAGE)

1,771	3,877	11,235
Butte-Glenn CCD	Far North	North Far North

SWP OUTCOMES SUMMARY: TOP PERFORMING PROGRAM AREAS

MEDIAN ANNUAL EARNINGS AFTER EXIT	Registered Nursing (1230.10)	\$109,200
	Paramedic (1251.00)	\$97,166
	Respiratory Care/Therapy (1210.00)	\$92,954
	Fire Academy (2133.50)	\$87,932
	Police Academy (2105.50)	\$82,052
MEDIAN CHANGE IN EARNINGS	Fire Academy (2133.50)	580%
	Fire Technology (2133.00)	185%
	Tax Studies (0502.10)	185%
	Welding Technology (0956.50)	133%
	Agriculture Business, Sales and Service (0112.00)	129%
ATTAINED A LIVING WAGE	Fire Academy (2133.50)	100%
	Paramedic (1251.00)	94%
	Police Academy (2105.50)	92%
	Registered Nursing (1230.10)	90%
	Agricultural Pest Control Adviser and Operator (Licensed) (0103.10)	85%

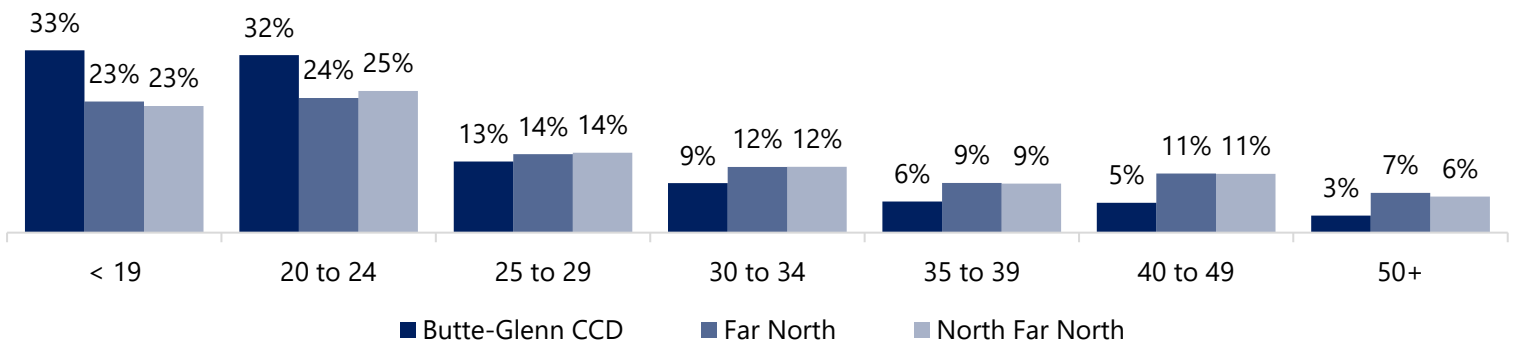
RACE/ETHNICITY



GENDER

	Female	Male	Non-Binary	Unknown/Masked
Butte-Glenn CCD	53%	45%	1%	1%
Far North	51%	47%	1%	2%
North Far North	48%	50%	1%	2%

AGE



CONCLUSION

This report identifies key focus occupations across each sector in Butte and Glenn 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 Butte-Glenn Community College District, the Far North 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 152 focus occupations, which accounted for 42% of all jobs in 2023 and are projected to generate 5,200 annual openings through 2028. These occupations span 12 CCCC sectors, with Business and Entrepreneurship representing the largest share (28 occupations). The Health sector leads in job volume (13,546), projected growth (12%), and annual openings (1,994), while Public Safety offers the highest entry-level wage at \$29.46 per hour.

Notably, some sectors (as a whole)—such as Advanced Manufacturing, ICT/Digital Media, and Public Safety—show a partial surplus of educational awards relative to job openings.

In contrast, sectors including Advanced Transportation and Logistics; Agriculture, Water, and Environmental Technologies; Business and Entrepreneurship; Education and Human Development; Energy Construction, and Utilities; Health; Life Sciences and Biotechnology; Other/Unassigned; Retail, Hospitality, and Tourism show award gaps, suggesting areas where community colleges and workforce partners can focus their efforts to align training with labor market needs.

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, 152 met one of the three criteria identified for this report, representing 19% of the total number of occupations in the BLS SOC system that qualified.

The 152 occupations analyzed in this report comprise 42% of all Butte-Glenn Counties jobs in 2023 and 41% 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	11	11%
Advanced Transportation and Logistics	62	23	37%
Agriculture, Water, and Environmental Technologies	42	8	19%
Business and Entrepreneurship	101	28	28%
Education and Human Development	35	4	11%
Energy, Construction, and Utilities	113	22	19%
Health	101	26	26%
ICT/Digital Media	49	8	16%
Life Sciences and Biotechnology	8	4	50%
Other/Unassigned	102	5	5%
Public Safety	29	8	28%
Retail, Hospitality, and Tourism	50	5	10%
Grand Total	796	152	19%

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 (25th 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.

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