



2025

WOODLAND COLLEGE (YUBA CCD) PROFILE

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

TABLE OF CONTENTS

INTRODUCTION.....	4
District or College Profiled	4
"Focus" Occupations	4
A Well-Equipped Future Workforce.....	5
OCCUPATIONAL DATA ANALYSIS	6
Occupational Landscape.....	6
College Service Area: Key Facts	6
Historical and Projected Employment	7
Jobs by Skill Level	7
Focus Occupations	8
Focus Occupations by CCCCCO Sector	9
SUPPLY AND DEMAND COMPARISON BY CCCCCO SECTOR.....	11
ADVANCED MANUFACTURING.....	12
Demand.....	13
Supply	15
ADVANCED TRANSPORTATION AND LOGISTICS.....	16
Demand.....	17
Supply	19
AGRICULTURE, WATER, AND ENVIRONMENTAL TECHNOLOGIES	20
Demand.....	21
Supply	22
BUSINESS AND ENTREPRENEURSHIP	24
Demand.....	25
Supply	27
EDUCATION AND HUMAN DEVELOPMENT.....	28
Demand.....	29
Supply	29

ENERGY, CONSTRUCTION, AND UTILITIES	31
Demand.....	32
Supply	34
HEALTH.....	35
Demand.....	36
Supply	38
ICT/ DIGITAL MEDIA	40
Demand.....	41
Supply	42
LIFE SCIENCES AND BIOTECHNOLOGY	44
Demand.....	45
Supply	45
OTHER/ UNASSIGNED	46
Demand.....	47
Supply	47
PUBLIC SAFETY	48
Demand.....	49
Supply	50
RETAIL, HOSPITALITY, AND TOURISM	51
Demand.....	52
Supply	52
STRONG WORKFORCE PROGRAM DATA	54
CONCLUSION	55
APPENDIX A: BLS OCCUPATIONS VS FOCUS OCCUPATIONS.....	56
APPENDIX B: METHODOLOGY AND DATA SOURCES	57
Traditional Labor Market Data	57

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 (or college) 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 or College Profiled

Woodland College serves as a key educational hub in Colusa, Lake, and Yolo Counties, offering a broad range of programs designed to meet the diverse needs of students and the region's workforce. Woodland College operates three campuses; the main campus is located in Woodland, Yolo County, serving as the central hub for the college's operations. Additionally, the Lake County Campus in Clearlake and the Colusa County Campus in Williams extend educational opportunities to students in those regions.

"Focus" Occupations

This analysis examines the extent to which district/college programs are meeting workforce needs through a sector-by-sector analysis that highlights "focus" occupations, middle-skill jobs aligned with district/college 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 or college's alignment with local economic needs, this report aims to provide a comprehensive look at how the district/college 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 (or college) and the counties which they serve.

By examining distinct characteristics of each district/college, these profiles deliver insights tailored to the specific educational and workforce needs of the communities in which the district/college is situated. These important findings can inform future investments by community college districts/colleges 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 college service area (Colusa, Lake, and Yolo Counties) accounted for 151,551 out of nearly 1.7 million jobs in 2023, representing 9% of all jobs in the North Far North Region.¹ The number of jobs in the college service area is expected to grow by 7% through 2028, resulting in 19,665 projected annual openings.

College Service Area: Key Facts



151,551

Number of Jobs
in 2023



+9,879

5-Year Change
in Jobs through
2028



7%

5-Year Percent
Change in Jobs



19,665

Annual
Openings
(2023-2028)



11,747

Business
Establishments



284 of 796

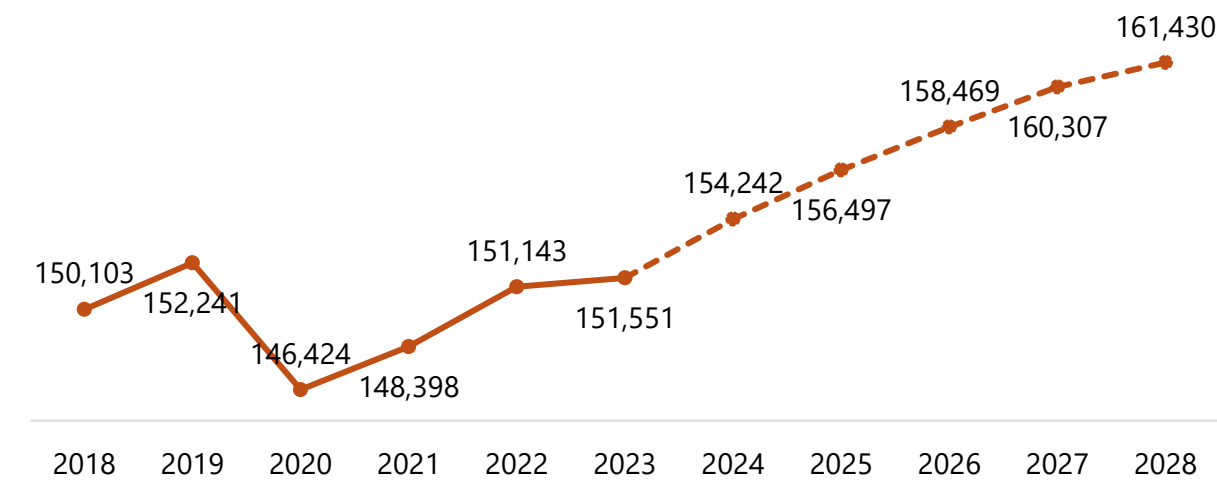
Occupations meet or
exceed the Living Wage
(\$23.22/hour)

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 college service area (Colusa, Lake, and Yolo Counties) increased from 150,103 jobs to 151,551 (Exhibit 1). Employment is projected to increase to 161,430 jobs by 2028, representing the addition of nearly 10,000 jobs.

Exhibit 1: Historical employment and projected occupational demand in the college 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 61,329 out of 151,551 jobs, constituting 40% of the total workforce in the college service area (Colusa, Lake, and Yolo Counties) (Exhibit 3).

Exhibit 2: Number of occupations by skill level

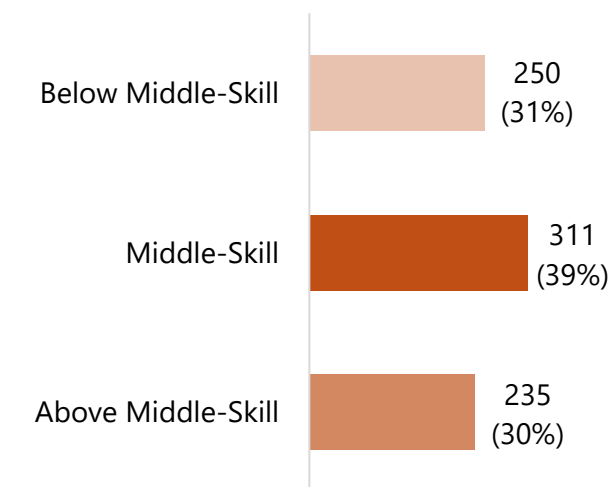
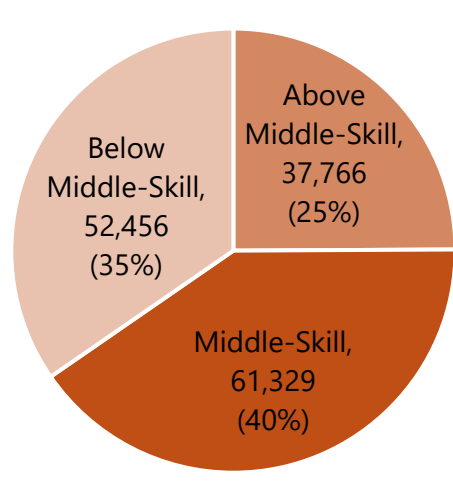


Exhibit 3: Share of 2023 jobs by skill level



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

Focus Occupations

This section of the report highlights 165 "focus occupations," representing 21% of all occupations within the college 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 \$23.22/hour in Sutter County, or both. Collectively, these 165 jobs accounted for 57,078 jobs in 2023, making them a critical component of the college service area (Colusa, Lake, and Yolo Counties) workforce.

57,078

Number of
2023 Jobs in Focus
Occupations

7,229

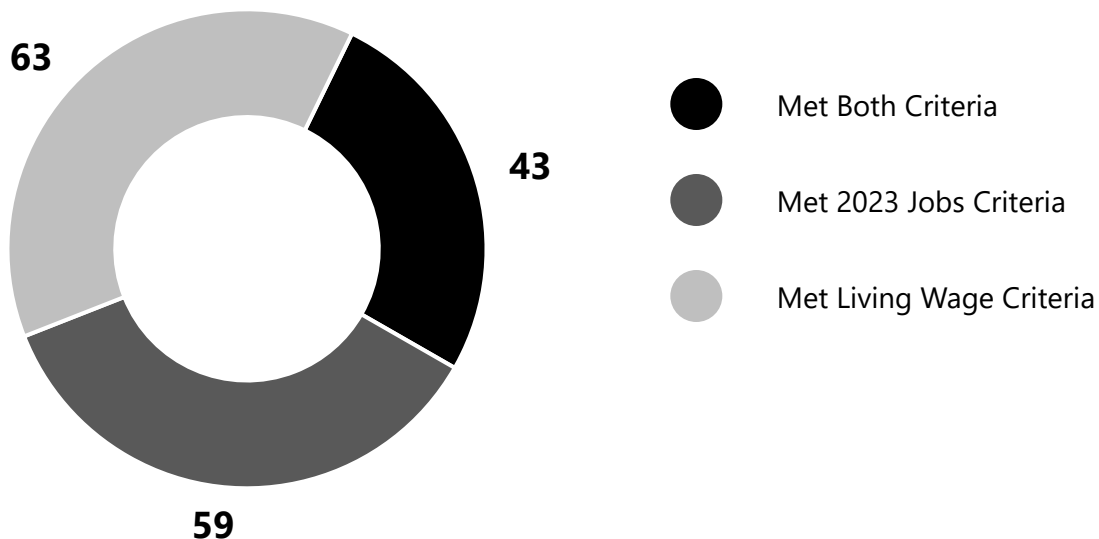
Annual Openings in Focus
Occupations
(2023-2028)

38%

Share of Total Jobs in 2023

These focus occupations underscore their importance by comprising 38% of all jobs in the college service area (Colusa, Lake, and Yolo Counties) in 2023 and demonstrating strong growth potential, with 7,229 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 college service area, thereby contributing to subregional and regional competitiveness and the prosperity of students entering employment from community college programs.

165
Occupations



Focus Occupations by CCCCCO Sector

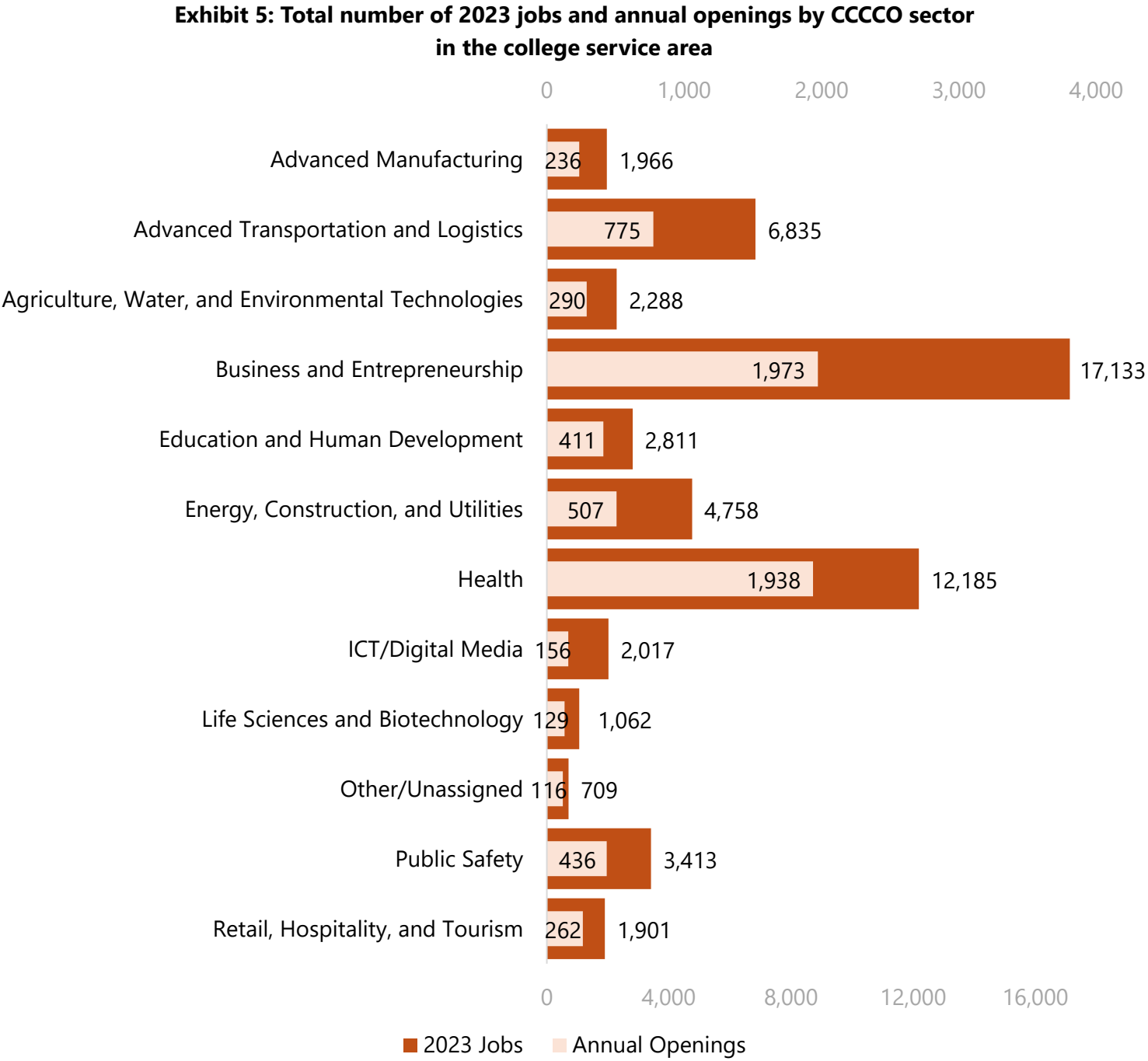
The 165 focus occupations identified in this report span the 12 CCCCCO sectors, with the Energy, Construction, and Utilities sector accounting for 27 occupations, the most of any sector. The Business and Entrepreneurship sector had the highest number of jobs in 2023 (17,133) and annual job openings (1,973). The ICT/Digital Media sector had the highest weighted entry-level hourly wage (\$33.84) of all sectors. Exhibit 4 shows the sectors represented by these 165 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	23	1,966	211	11%	236	\$25.02
Advanced Transportation and Logistics	24	6,835	466	7%	775	\$24.89
Agriculture, Water, and Environmental Technologies	9	2,288	40	2%	290	\$17.38
Business and Entrepreneurship	26	17,133	507	3%	1,973	\$23.60
Education and Human Development	4	2,811	105	4%	411	\$16.34
Energy, Construction, and Utilities	27	4,758	379	8%	507	\$26.97
Health	22	12,185	1,886	15%	1,938	\$24.15
ICT/Digital Media	6	2,017	97	5%	156	\$33.84
Life Sciences and Biotechnology	5	1,062	51	5%	129	\$21.48
Other	5	709	81	11%	116	\$20.98
Public Safety	11	3,413	419	12%	436	\$27.96
Retail, Hospitality, and Tourism	3	1,901	128	7%	262	\$18.12
Total	165	57,078	4,369	8%	7,229	\$23.96

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 CCCCCO sectors in the college service area. Business and Entrepreneurship has the highest number of jobs (17,133) and openings (1,973), while sectors like Advanced Manufacturing, ICT/Digital Media, Life Sciences and Biotechnology, Other/Unassigned, and Retail, Hospitality, and Tourism show the lowest.



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 Woodland College is compared to the annual openings (demand) of the 165 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 (1,930), closely trailed by Business and Entrepreneurship (1,916). Data shows no awards conferred in three sectors: Advanced Manufacturing, Advanced Transportation and Logistics, and Life Sciences and Biotechnology.

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 by Woodland College, by CCCCCO sector

Sector	Annual Openings	Woodland College 3-Yr Average Awards
Advanced Manufacturing	236	0
Advanced Transportation and Logistics	775	0
Agriculture, Water, and Environmental Technologies	290	25
Business and Entrepreneurship	1,973	57
Education and Human Development	411	206
Energy, Construction, and Utilities	507	3
Health	1,938	8
ICT/Digital Media	156	2
Life Sciences and Biotechnology	129	0
Other/Unassigned	116	3
Public Safety	436	32
Retail, Hospitality, and Tourism	262	12

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

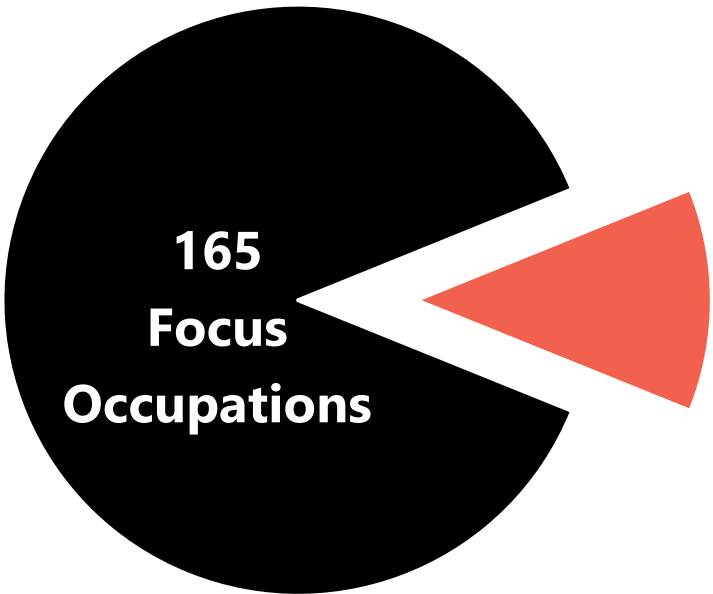
ADVANCED MANUFACTURING



Community College Supply



23 Advanced Manufacturing Occupations



Demand

In 2023 in the college service area, there were 1,966 jobs in the 23 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	438	51	53	\$27.45
	49-9041	Industrial Machinery Mechanics	273	39	30	\$27.74
	17-3023	Electrical and Electronic Engineering Technologists and Technicians	76	4	8	\$28.12
	49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	72	12	8	\$41.43
	49-9043	Maintenance Workers, Machinery	41	6	5	\$24.41
	49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	42	4	5	\$28.04
	17-3029	Engineering Technologists and Technicians, Except Drafters, All Other	42	1	4	\$28.27
2023 Jobs	51-4121	Welders, Cutters, Solderers, and Brazers	251	20	30	\$22.55
	51-4041	Machinists	126	20	17	\$21.29
	51-5112	Printing Press Operators	119	(5)	12	\$16.91
	51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	78	4	11	\$22.85
	51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	69	12	10	\$17.42

Criteria Met	SOC	Occupation	2023 Jobs	5-Year Change	Annual Openings	Entry-Level Hourly Wage
2023 Jobs	51-9161	Computer Numerically Controlled Tool Operators	72	9	9	\$22.37
	51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	49	8	7	\$20.29
	51-9011	Chemical Equipment Operators and Tenders	47	7	6	\$19.77
	51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	44	5	6	\$18.75
Living Wage	51-4111	Tool and Die Makers	18	3	3	\$25.60
	49-9044	Millwrights	24	3	3	\$24.75
	17-3026	Industrial Engineering Technologists and Technicians	18	3	2	\$28.60
	17-3013	Mechanical Drafters	26	0	2	\$27.65
	51-9162	Computer Numerically Controlled Tool Programmers	12	3	2	\$30.19
	17-3027	Mechanical Engineering Technologists and Technicians	13	2	2	\$26.27
	17-3012	Electrical and Electronics Drafters	16	1	1	\$26.33

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. Although Woodland College did not confer any awards in these programs, there was an average of 221 awards conferred in the Greater Sacramento subregion. Approximately 44% of all awards in the North Far North region were conferred by a college in the Greater Sacramento region.

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

Program Name (TOP)	Woodland College 3-Yr Average (2021-24)	Greater Sacramento 3-Yr Average (2021-2024)	NFN 3-Yr Average (2021-2024)
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)	-	2	10
Fashion Production (1303.30)	-	7	7
Industrial Electronics (0934.20)	-	37	37
Industrial Systems Technology and Maintenance (0945.00)	-	7	8
Machining and Machine Tools (0956.30)	-	3	11
Manufacturing and Industrial Technology (0956.00)	-	16	64
Mechanical Drafting (0953.40)	-	4	13
Ocean Technology (1920.00)	-	-	0
Welding Technology (0956.50)	-	83	282

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

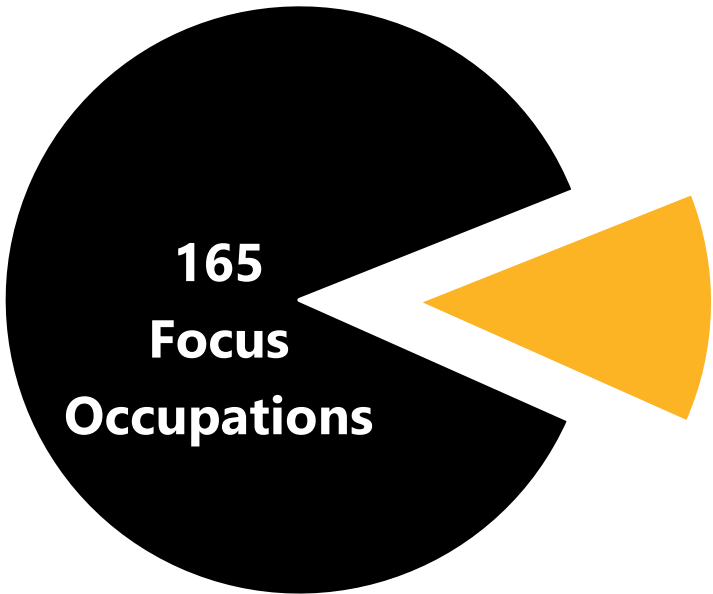
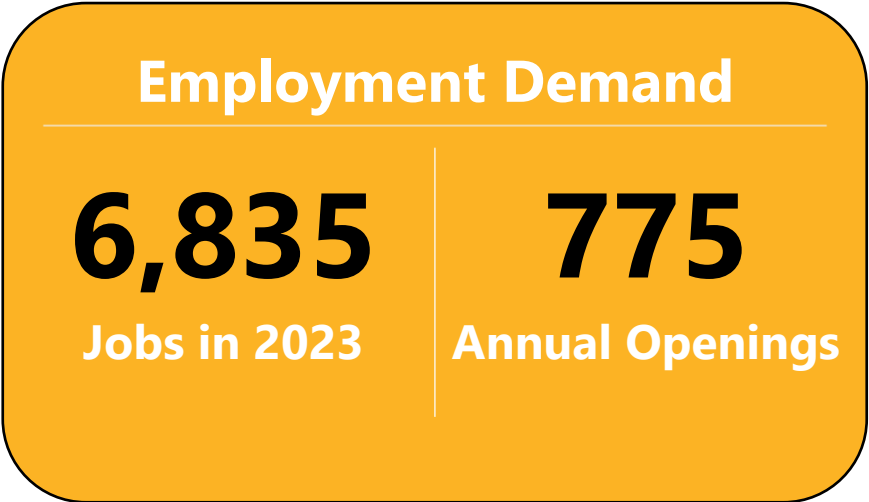
ADVANCED TRANSPORTATION AND LOGISTICS



Community College Supply



24 Advanced Transportation and Logistics Occupations



Demand

In 2023 in the college service area, there were 6,835 jobs in the 24 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	53-3032	Heavy and Tractor-Trailer Truck Drivers	2,947	182	352	\$23.85
	53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	696	51	82	\$24.38
	49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	514	41	52	\$30.43
	49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	319	17	30	\$28.12
	11-3071	Transportation, Storage, and Distribution Managers	284	22	28	\$37.96
	49-3042	Mobile Heavy Equipment Mechanics, Except Engines	186	14	19	\$28.04
2023 Jobs	49-3023	Automotive Service Technicians and Mechanics	547	19	52	\$18.99
	43-5061	Production, Planning, and Expediting Clerks	362	29	44	\$22.81
	53-3052	Bus Drivers, Transit and Intercity	195	25	31	\$21.41
	13-1081	Logisticians	228	27	24	\$20.17
	49-3021	Automotive Body and Related Repairers	153	11	16	\$20.83
	43-5011	Cargo and Freight Agents	120	12	15	\$17.84

Criteria Met	SOC	Occupation	2023 Jobs	5-Year Change	Annual Openings	Entry-Level Hourly Wage
Living Wage	53-2012	Commercial Pilots	50	(1)	6	\$36.24
	49-3011	Aircraft Mechanics and Service Technicians	63	1	5	\$26.40
	53-4031	Railroad Conductors and Yardmasters	27	4	3	\$37.39
	49-3043	Rail Car Repairers	28	1	3	\$32.99
	53-6051	Transportation Inspectors	19	2	2	\$31.00
	53-4041	Subway and Streetcar Operators	17	2	2	\$30.31
	53-7021	Crane and Tower Operators	15	1	2	\$27.20
	53-4011	Locomotive Engineers	14	2	2	\$39.25
	53-5021	Captains, Mates, and Pilots of Water Vessels	11	2	2	\$25.92
	53-1041	Aircraft Cargo Handling Supervisors	13	0	1	\$27.25
	17-3021	Aerospace Engineering and Operations Technologists and Technicians	13	0	1	\$25.69
	53-2021	Air Traffic Controllers	14	0	1	\$75.41

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. Although Woodland College did not confer any awards in these programs, there was an average of 198 awards conferred in the Greater Sacramento subregion. Approximately 62% of all awards in the North Far North region were conferred by a college in the Greater Sacramento region.

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

Program Name (TOP)	Woodland College 3-Yr Average (2021-24)	Greater Sacramento 3-Yr Average (2021-2024)	NFN 3-Yr Average (2021-2024)
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)	-	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 Management Information Systems DataMart

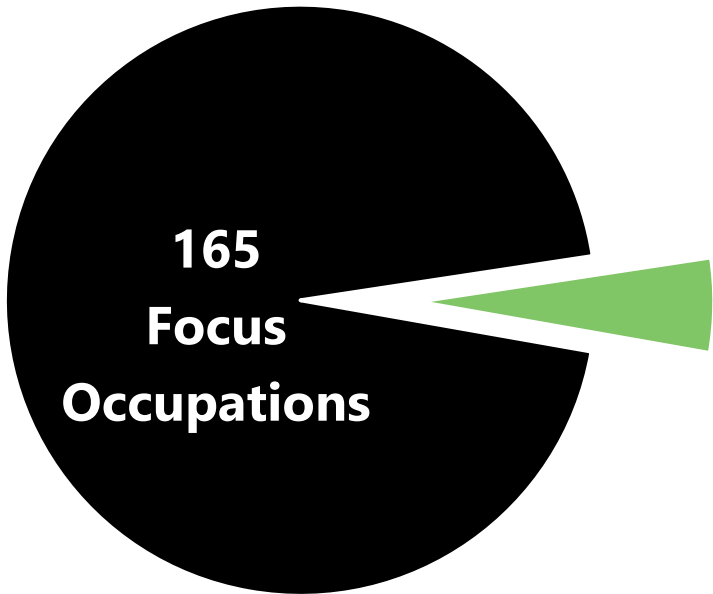
AGRICULTURE, WATER, AND ENVIRONMENTAL TECHNOLOGIES



Community College Supply



9 Agriculture, Water, and Environmental Technologies Occupations



Demand

In 2023 in the college service area, there were 2,288 jobs in the 9 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	11-9013	Farmers, Ranchers, and Other Agricultural Managers	1,144	(42)	119	\$15.50
	31-9096	Veterinary Assistants and Laboratory Animal Caretakers	240	29	55	\$17.63
	45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	235	1	32	\$18.24
	37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	172	9	20	\$18.15
	29-2056	Veterinary Technologists and Technicians	141	22	18	\$20.87
	19-4071	Forest and Conservation Technicians	120	4	16	\$19.38
	49-3041	Farm Equipment Mechanics and Service Technicians	116	12	13	\$22.16
	19-4012	Agricultural Technicians	82	1	11	\$19.93
Living Wage	47-4041	Hazardous Materials Removal Workers	38	6	6	\$23.99

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 Woodland College, an average of 25 awards were conferred each year, compared to 161 in the Greater Sacramento subregion. The top-producing program at Woodland College was Environmental Technology, with an average of 11 awards annually. Approximately 15% of all awards in the Greater Sacramento subregion were conferred by Woodland College.

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

Program Name (TOP)	Woodland College 3-Yr Average (2021-24)	Greater Sacramento 3-Yr Average (2021-2024)	NFN 3-Yr Average (2021-2024)
Agricultural Pest Control Adviser and Operator (Licensed) (0103.10)	1	1	2
Agricultural Power Equipment Technology (0116.00)	-	-	41
Agriculture Business, Sales and Service (0112.00)	4	7	38
Agriculture Technology and Sciences, General (0101.00)	7	29	79
Animal Science (0102.00)	1	9	32
Environmental Technology (0303.00)	11	19	19
Equine Science (0102.40)	-	1	12
Floriculture / Floristry (0109.20)	-	-	3
Forestry (0114.00)	-	17	28
Horticulture (0109.00)	1	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

Program Name (TOP)	Woodland College 3-Yr Average (2021-24)	Greater Sacramento 3-Yr Average (2021-2024)	NFN 3-Yr Average (2021-2024)
Plant Science (0103.00)	0	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 Management Information Systems DataMart



BUSINESS AND ENTREPRENEURSHIP

Community College Supply

Employment Demand

17,133

Jobs in 2023

1,973

Annual Openings

57

Awards

26 Business and Entrepreneurship Occupations

10

met both criteria

12

met 2023 jobs criteria

4

met living wage criteria

165
Focus
Occupations

Demand

In 2023 in the college service area, there were 17,133 jobs in the 26 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	1,921	170	192	\$37.87
	43-1011	First-Line Supervisors of Office and Administrative Support Workers	1,396	47	146	\$27.52
	41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	1,115	57	113	\$24.23
	11-3012	Administrative Services Managers	564	36	52	\$39.97
	43-9021	Data Entry Keyers	414	(29)	47	\$24.19
	43-6011	Executive Secretaries and Executive Administrative Assistants	455	(19)	46	\$29.12
	13-1028	Buyers and Purchasing Agents	312	6	31	\$27.16
	43-3051	Payroll and Timekeeping Clerks	253	(10)	25	\$24.00
	13-1051	Cost Estimators	181	10	17	\$29.28
	11-3013	Facilities Managers	158	10	14	\$35.93
2023 Jobs	43-9061	Office Clerks, General	3,399	20	421	\$18.13
	43-4051	Customer Service Representatives	1,330	60	195	\$17.86
	43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	1,685	(14)	194	\$20.03
	43-3031	Bookkeeping, Accounting, and Auditing Clerks	1,305	20	159	\$20.90

Criteria Met	SOC	Occupation	2023 Jobs	5-Year Change	Annual Openings	Entry-Level Hourly Wage
2023 Jobs	43-4171	Receptionists and Information Clerks	517	49	82	\$16.56
	39-5012	Hairdressers, Hairstylists, and Cosmetologists	341	4	50	\$12.53
	11-9141	Property, Real Estate, and Community Association Managers	408	15	36	\$19.91
	41-9022	Real Estate Sales Agents	336	16	32	\$17.85
	41-9099	Sales and Related Workers, All Other	230	8	32	\$18.10
	41-3021	Insurance Sales Agents	237	37	28	\$20.56
	39-5092	Manicurists and Pedicurists	191	14	26	\$15.50
	41-1012	First-Line Supervisors of Non-Retail Sales Workers	184	3	17	\$22.63
Living Wage	13-1031	Claims Adjusters, Examiners, and Investigators	99	5	8	\$28.42
	13-2028	Property Appraisers and Assessors	73	3	7	\$24.04
	23-2093	Title Examiners, Abstractors, and Searchers	18	(1)	2	\$23.98
	11-9171	Funeral Home Managers	11	0	1	\$27.66

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 Woodland College, an average of 57 awards were conferred each year, compared to 2,046 in the Greater Sacramento subregion. The top-producing program at Woodland College was Business Administration, with an average of 38 awards annually. Approximately 3% of all awards in the Greater Sacramento subregion were conferred by Woodland College.

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

Program Name (TOP)	Woodland College 3-Yr Average (2021-24)	Greater Sacramento 3-Yr Average (2021-2024)	NFN 3-Yr Average (2021-2024)
Accounting (0502.00)	10	344	476
Advertising (0509.10)	-	0	0
Business Administration (0505.00)	38	1,154	1,406
Business and Commerce, General (0501.00)	-	176	329
Business Management (0506.00)	6	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)	-	36	50
Mortuary Science (1255.00)	-	24	24
Real Estate (0511.00)	-	69	81
Small Business and Entrepreneurship (0506.40)	3	57	80
Tax Studies (0502.10)	-	9	17

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

EDUCATION AND HUMAN DEVELOPMENT

Community College Supply

Employment Demand

2,811

Jobs in 2023

411

Annual Openings

206

Awards

4 Education and Human Development Occupations

0

met both criteria

3

met 2023 jobs criteria

1

met living wage criteria

165
Focus
Occupations

Demand

In 2023 in the college service area, there were 2,811 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	1,339	123	187	\$16.62
	39-9011	Childcare Workers	948	(59)	158	\$15.50
	25-2011	Preschool Teachers, Except Special Education	468	33	58	\$16.04
Living Wage	25-2012	Kindergarten Teachers, Except Special Education	56	8	8	\$26.34

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 Woodland College, an average of 206 awards were conferred each year, compared to 833 in the Greater Sacramento subregion. The top-producing program at Woodland College was Child Development/Early Care and Education, with an average of 185 awards annually. Approximately 25% of all awards in the Greater Sacramento subregion were conferred by Woodland College.

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

Program Name (TOP)	Woodland College 3-Yr Average (2021-24)	Greater Sacramento 3-Yr Average (2021-2024)	NFN 3-Yr Average (2021-2024)
Child and Adolescent Development (1305.10)	20	28	52
Child Development Administration and Management (1305.80)	-	21	21
Child Development/Early Care and Education (1305.00)	185	717	1,030
Children with Special Needs (1305.20)	-	3	3

Program Name (TOP)	Woodland College 3-Yr Average (2021-24)	Greater Sacramento 3-Yr Average (2021-2024)	NFN 3-Yr Average (2021-2024)
Family Studies (1308.00)	-	-	10
Infants and Toddlers (1305.90)	1	18	18
Other Education (0899.00)	-	1	1
Parenting and Family Education (1305.60)	-	-	7
Recreation (0836.00)	-	11	15
Recreation Assistant (0836.10)	-	1	1
Sign Language Interpreting (0850.10)	-	29	29
Special Education (0809.00)	-	-	3
The School Age Child (1305.50)	0	4	4

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



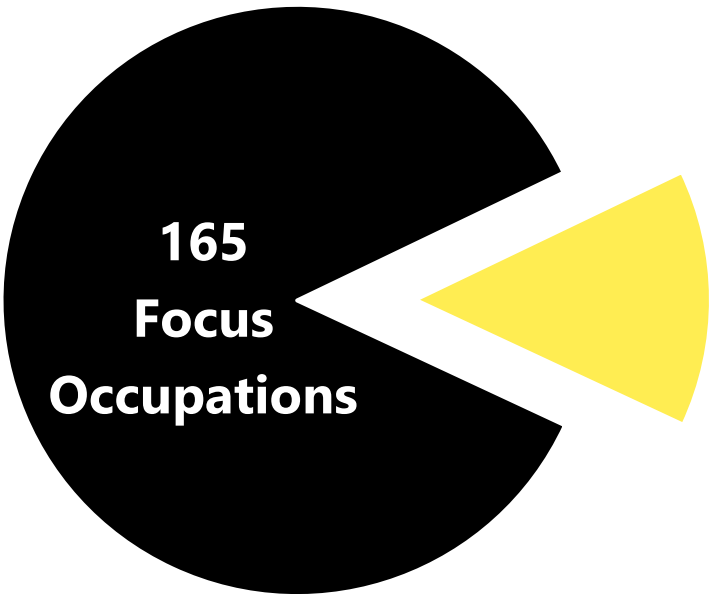
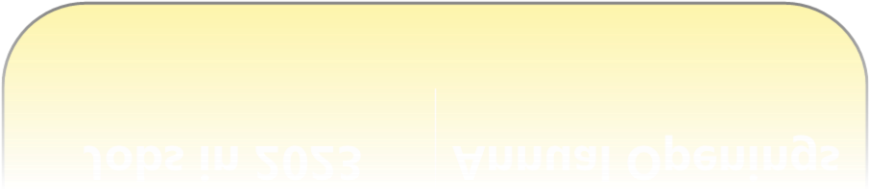
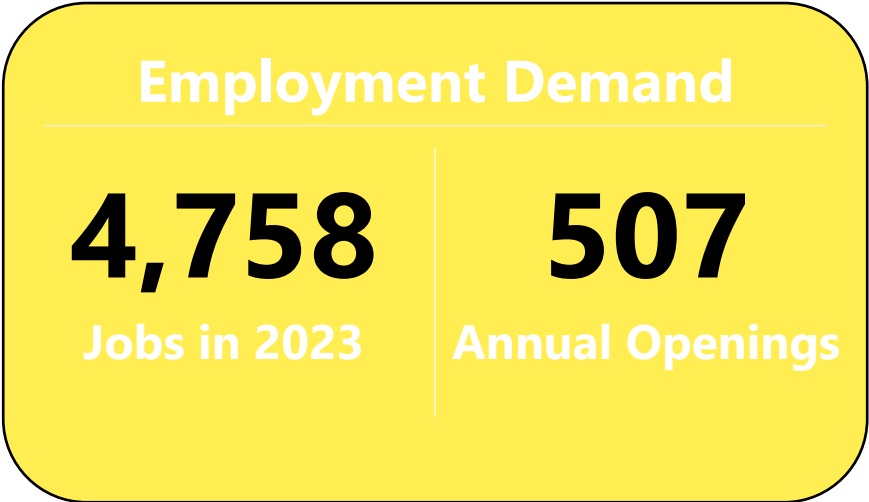
ENERGY, CONSTRUCTION, AND UTILITIES



Community College Supply



27 Energy, Construction, and Utilities Occupations



Demand

In 2023 in the college service area, there were 4,758 jobs in the 27 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	1,136	66	113	\$23.52
	47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	628	59	65	\$34.58
	47-2111	Electricians	482	60	57	\$25.69
	47-2073	Operating Engineers and Other Construction Equipment Operators	433	43	47	\$27.62
	51-8031	Water and Wastewater Treatment Plant and System Operators	209	17	24	\$28.06
	49-9051	Electrical Power-Line Installers and Repairers	156	20	16	\$44.66
	47-4011	Construction and Building Inspectors	123	9	16	\$28.81
	49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	115	16	15	\$27.07
2023 Jobs	47-2152	Plumbers, Pipefitters, and Steamfitters	280	15	28	\$22.11
	49-9099	Installation, Maintenance, and Repair Workers, All Other	250	10	26	\$18.10
	49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	255	10	24	\$21.97
	51-8021	Stationary Engineers and Boiler Operators	130	8	15	\$21.08

Criteria Met	SOC	Occupation	2023 Jobs	5-Year Change	Annual Openings	Entry-Level Hourly Wage
Living Wage	49-9052	Telecommunications Line Installers and Repairers	105	19	14	\$32.47
	47-2231	Solar Photovoltaic Installers	46	8	6	\$23.62
	17-3022	Civil Engineering Technologists and Technicians	41	8	6	\$26.40
	17-3011	Architectural and Civil Drafters	56	0	5	\$27.03
	17-3031	Surveying and Mapping Technicians	41	1	5	\$24.12
	51-8013	Power Plant Operators	56	(3)	5	\$32.81
	47-4021	Elevator and Escalator Installers and Repairers	51	1	4	\$37.51
	49-2098	Security and Fire Alarm Systems Installers	32	4	4	\$23.80
	49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	28	2	3	\$41.11
	47-2071	Paving, Surfacing, and Tamping Equipment Operators	23	2	2	\$27.20
	47-2022	Stonemasons	22	1	2	\$23.45
	51-8012	Power Distributors and Dispatchers	19	0	2	\$53.25
	17-3019	Drafters, All Other	17	0	1	\$24.18
	47-4061	Rail-Track Laying and Maintenance Equipment Operators	14	2	1	\$24.27
	47-2132	Insulation Workers, Mechanical	10	1	1	\$34.07

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 Woodland College, an average of 3 awards were conferred each year, compared to 511 in the Greater Sacramento subregion. The only program at Woodland College that conferred awards was Water and Wastewater Technology, with an average of 3 awards annually. Approximately 1% of all awards in the Greater Sacramento subregion were conferred by Woodland College.

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

Program Name (TOP)	Woodland College 3-Yr Average (2021-24)	Greater Sacramento 3-Yr Average (2021-2024)	NFN 3-Yr Average (2021-2024)
Architectural Drafting (0953.10)	-	14	15
Architecture and Architectural Technology (0201.00)	-	24	24
Carpentry (0952.10)	-	169	182
Civil and Construction Management Technology (0957.00)	-	25	25
Construction Crafts Technology (0952.00)	-	9	20
Construction Inspection (0957.20)	-	4	4
Drafting Technology (0953.00)	-	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)	3	8	11

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

HEALTH



Community College Supply



22 Health Occupations



Demand

In 2023 in the college service area, there were 12,185 jobs in the 22 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	1,726	169	132	\$53.91
	31-9091	Dental Assistants	314	42	54	\$23.28
	29-2061	Licensed Practical and Licensed Vocational Nurses	427	46	44	\$31.77
	29-1292	Dental Hygienists	224	33	22	\$52.06
2023 Jobs	31-1128	Home Health and Personal Care Aides	6,253	1,244	1,255	\$15.52
	31-1131	Nursing Assistants	659	91	118	\$19.23
	31-9092	Medical Assistants	601	67	94	\$20.43
	43-6013	Medical Secretaries and Administrative Assistants	544	50	69	\$19.67
	21-1093	Social and Human Service Assistants	383	68	55	\$18.56
	29-2052	Pharmacy Technicians	285	19	30	\$21.44
	29-2042	Emergency Medical Technicians	172	(1)	13	\$17.18
	29-2072	Medical Records Specialists	117	9	10	\$21.46

Criteria Met	SOC	Occupation	2023 Jobs	5-Year Change	Annual Openings	Entry-Level Hourly Wage
Living Wage	29-2034	Radiologic Technologists and Technicians	109	10	8	\$38.15
	31-2021	Physical Therapist Assistants	41	7	7	\$35.31
	29-1126	Respiratory Therapists	78	7	6	\$41.15
	29-2043	Paramedics	74	4	4	\$24.35
	29-2055	Surgical Technologists	47	6	4	\$32.13
	31-2011	Occupational Therapy Assistants	20	3	4	\$36.33
	29-2032	Diagnostic Medical Sonographers	48	5	4	\$50.14
	29-2031	Cardiovascular Technologists and Technicians	29	2	2	\$27.80
	29-9021	Health Information Technologists and Medical Registrars	19	2	2	\$32.13
	29-2035	Magnetic Resonance Imaging Technologists	15	2	1	\$43.95

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 2,309 awards annually across 29 programs aligned with all Health occupations. At Woodland College, an average of 8 awards were conferred each year, compared to 1,406 in the Greater Sacramento subregion. The top-producing program at Woodland College was Alcohol and Controlled Substances, with an average of 4 awards annually. Approximately 1% of all awards in the Greater Sacramento subregion were conferred by Woodland College.

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

Program Name (TOP)	Woodland College 3-Yr Average (2021-24)	Greater Sacramento 3-Yr Average (2021-2024)	NFN 3-Yr Average (2021-2024)
Administrative Medical Assisting (1208.20)	-	18	18
Alcohol and Controlled Substances (2104.40)	4	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)	-	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)	-	698	719
Home Health Aide (1230.80)	-	4	4
Licensed Vocational Nursing (1230.20)	-	45	153
Medical Assisting (1208.00)	-	47	63
Medical Laboratory Technology (1205.00)	-	12	12
Medical Office Technology (0514.20)	2	3	58
Nutrition, Foods, and Culinary Arts (1306.00)	2	23	30
Occupational Therapy Technology (1218.00)	-	16	16
Optical Technology (1219.00)	-	1	1

Program Name (TOP)	Woodland College 3-Yr Average (2021-24)	Greater Sacramento 3-Yr Average (2021-2024)	NFN 3-Yr Average (2021-2024)
Other Health Occupations (1299.00)	-	15	15
Paramedic (1251.00)	-	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)	-	219	473
Respiratory Care/Therapy (1210.00)	-	13	29
Speech/Language Pathology and Audiology (1220.00)	-	33	33

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



ICT/ DIGITAL MEDIA

Community College Supply

Employment Demand

2,017

Jobs in 2023

156

Annual Openings

2

Awards

6 ICT/Digital Media Occupations

165
Focus
Occupations

2

met both criteria

0

met 2023 jobs criteria

4

met living wage criteria

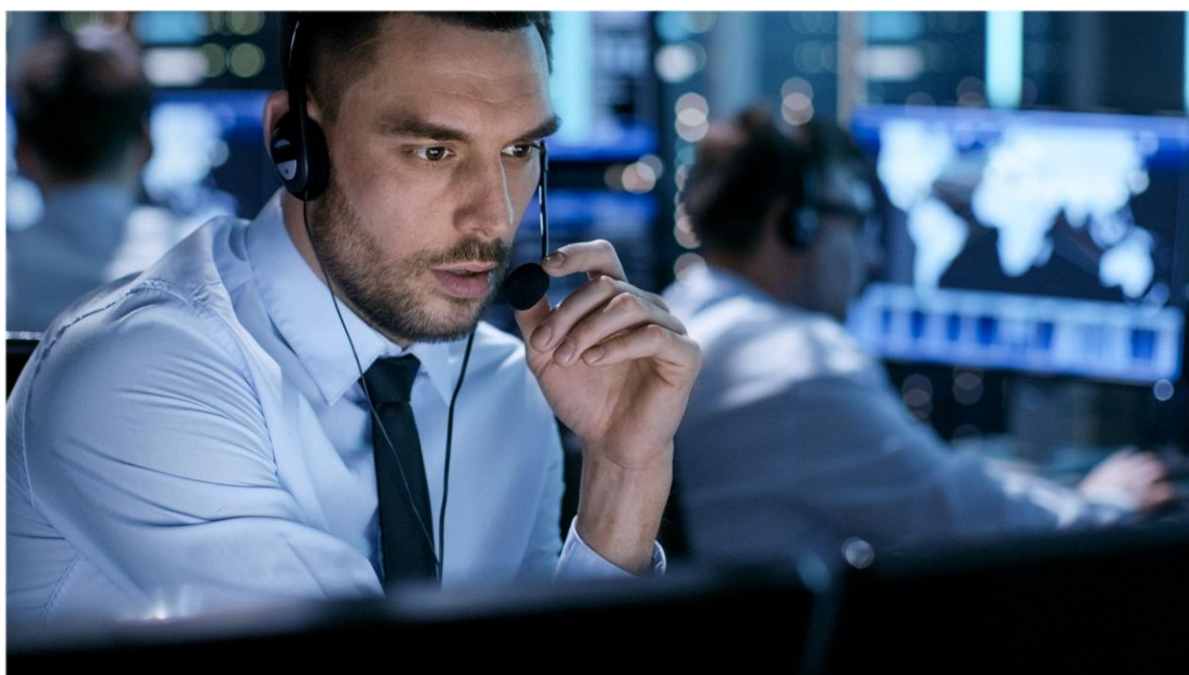
Demand

In 2023 in the college service area, there were 2,017 jobs in the 6 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	1,510	63	116	\$33.76
	15-1244	Network and Computer Systems Administrators	217	11	15	\$35.33
Living Wage	15-1231	Computer Network Support Specialists	98	7	9	\$30.80
	15-1255	Web and Digital Interface Designers	64	5	6	\$26.60
	15-1241	Computer Network Architects	75	5	5	\$44.23
	15-1254	Web Developers	53	6	5	\$29.54

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 Woodland College, an average of 2 awards were conferred each year, compared to 884 in the Greater Sacramento subregion. The only program at Woodland College that conferred awards was Office Technology/Office Computer Applications, with an average of 2 awards annually. Less than 1% of all awards in the Greater Sacramento subregion were conferred by Woodland College.

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

Program Name (TOP)	Woodland College 3-Yr Average (2021-24)	Greater Sacramento 3-Yr Average (2021-2024)	NFN 3-Yr Average (2021-2024)
Animation (0614.40)	-	11	11
Applied Photography (1012.00)	-	39	43
Broadcast Journalism (0604.30)	-	0	0
Commercial Art (1013.00)	-	0	0
Commercial Music (1005.00)	-	38	45
Computer Graphics and Digital Imagery (0614.60)	-	4	4
Computer Information Systems (0702.00)	-	31	56
Computer Infrastructure and Support (0708.00)	-	84	108
Computer Networking (0708.10)	-	95	140
Computer Programming (0707.10)	-	104	104
Computer Software Development (0707.00)	-	20	20
Computer Support (0708.20)	-	16	18
Computer Systems Analysis (0707.30)	-	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)	-	19	19
Geographic Information Systems (2206.10)	-	16	25

Program Name (TOP)	Woodland College 3-Yr Average (2021-24)	Greater Sacramento 3-Yr Average (2021-2024)	NFN 3-Yr Average (2021-2024)
Graphic Art and Design (1030.00)	-	71	92
Information Technology, General (0701.00)	-	41	42
Journalism (0602.00)	-	24	28
Multimedia (0614.10)	-	34	44
Office Technology/Office Computer Applications (0514.00)	2	54	121
Other Information Technology (0799.00)	-	0	0
Radio (0604.10)	-	1	1
Radio and Television (0604.00)	-	19	33
Software Applications (0702.10)	-	22	22
Telecommunications Technology (0934.30)	-	7	7
Television (including combined TV/Film/Video) (0604.20)	-	14	32
Website Design and Development (0614.30)	-	14	14
World Wide Web Administration (0709.00)	-	4	5

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



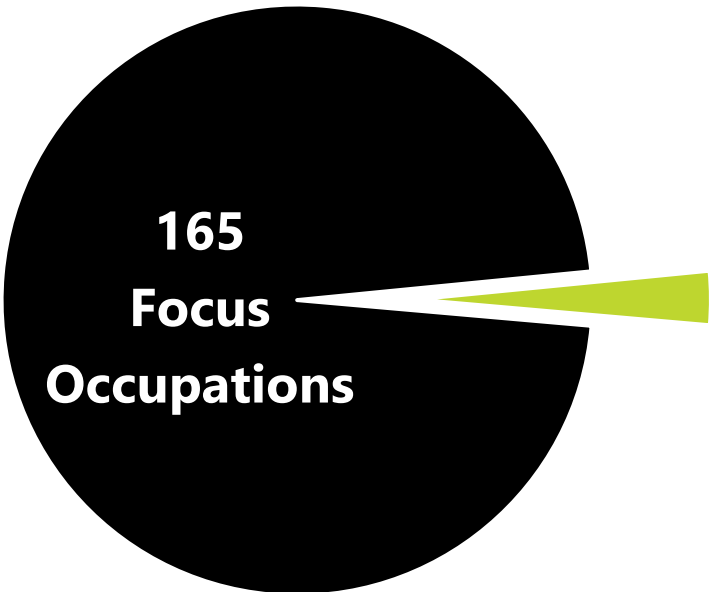
LIFE SCIENCES AND BIOTECHNOLOGY



Community College Supply



5 Life Sciences and Biotechnology Occupations



Demand

In 2023 in the college service area, there were 1,062 jobs in the 5 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	185	11	15	\$25.12
	51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	386	22	50	\$19.00
2023 Jobs	19-4099	Life, Physical, and Social Science Technicians, All Other	330	9	43	\$22.24
	19-4021	Biological Technicians	127	4	17	\$19.92
Living Wage	49-9062	Medical Equipment Repairers	34	5	4	\$28.19

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 Woodland College, 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)	Woodland College 3-Yr Average (2021-24)	Greater Sacramento 3-Yr Average (2021-2024)	NFN 3-Yr 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 Management Information Systems DataMart

OTHER/ UNASSIGNED

Community College Supply

Employment Demand

709

Jobs in 2023

116

Annual Openings

3

Awards

Jobs in 2023

Annual Openings

5 Other/Unassigned Occupations

1

met both criteria

2

met 2023 jobs criteria

2

met living wage criteria

165
Focus
Occupations

Demand

In 2023 in the college service area, there were 709 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	131	6	15	\$26.06
2023 Jobs	39-9031	Exercise Trainers and Group Fitness Instructors	289	33	63	\$15.82
	43-4031	Court, Municipal, and License Clerks	230	37	32	\$21.44
Living Wage	11-9131	Postmasters and Mail Superintendents	41	3	4	\$36.18
	27-3092	Court Reporters and Simultaneous Captioners	18	2	2	\$26.58

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. The only program at Woodland College that conferred awards was Human Services, with an average of 3 awards annually. Approximately 2% of all awards in the Greater Sacramento subregion were conferred by Woodland College.

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

Program Name (TOP)	Woodland College 3-Yr Average (2021-24)	Greater Sacramento 3-Yr Average (2021-2024)	NFN 3-Yr Average (2021-2024)
Fitness Trainer (0835.20)	-	2	4
Human Services (2104.00)	3	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)	-	6	6

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

PUBLIC SAFETY

Community College Supply

Employment Demand

3,413

Jobs in 2023

436

Annual Openings

32

Awards

11 Public Safety Occupations

4

met both criteria

1

met 2023 jobs criteria

6

met living wage criteria

165
Focus
Occupations

Demand

In 2023 in the college service area, there were 3,413 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	848	102	90	\$36.17
	33-2011	Firefighters	474	50	47	\$26.26
	33-3012	Correctional Officers and Jailers	300	47	37	\$29.04
	33-3021	Detectives and Criminal Investigators	127	19	14	\$37.90
2023 Jobs	33-9032	Security Guards	1,205	138	197	\$16.88
Living Wage	43-5031	Public Safety Telecommunicators	126	13	16	\$26.07
	33-1012	First-Line Supervisors of Police and Detectives	122	19	12	\$54.36
	33-1021	First-Line Supervisors of Firefighting and Prevention Workers	112	12	10	\$39.03
	33-1011	First-Line Supervisors of Correctional Officers	57	11	7	\$50.76
	33-3011	Bailiffs	22	4	4	\$34.43
	33-1099	First-Line Supervisors of Protective Service Workers, All Other	20	2	2	\$24.57

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

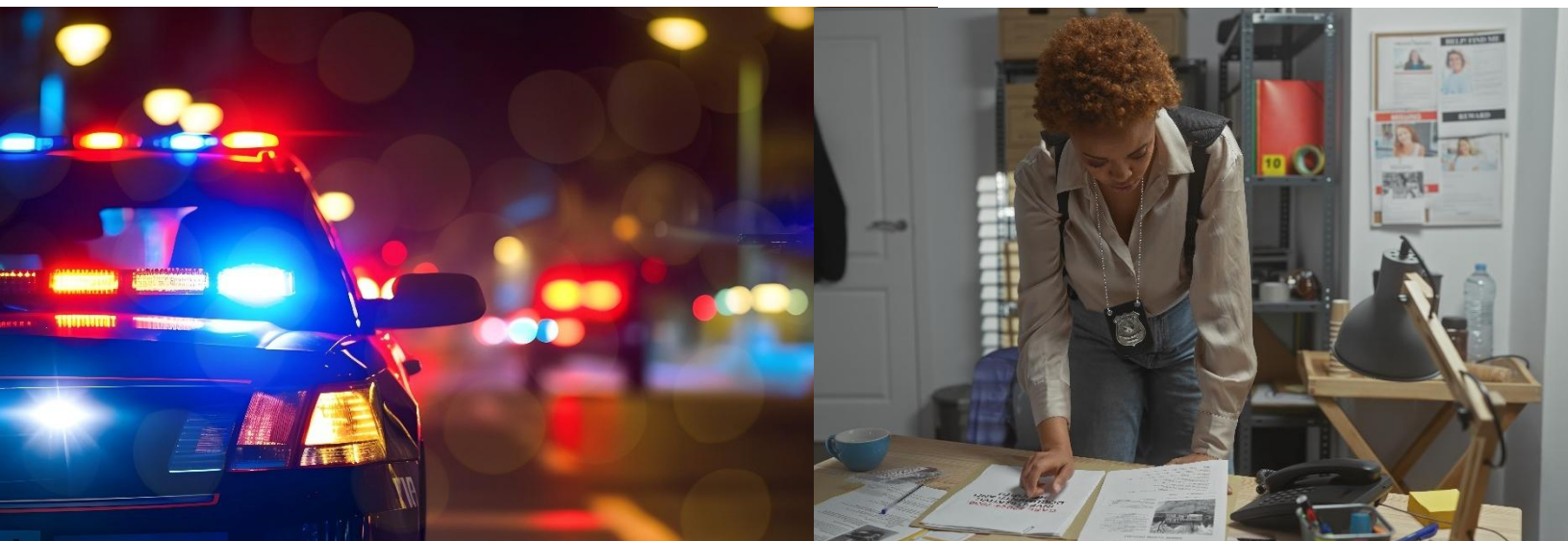
Supply

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 Woodland College, an average of 32 awards were conferred each year, compared to 736 in the Greater Sacramento subregion. The only program at Woodland College that conferred awards was Administration of Justice, with an average of 32 awards annually. Approximately 4% of all awards in the Greater Sacramento subregion were conferred by Woodland College.

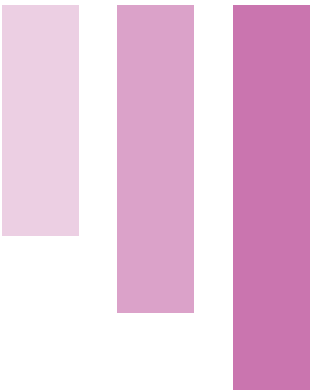
Exhibit 28: Awards (degrees and certificates) from community college programs aligned with the Public Safety occupations

Program Name (TOP)	Woodland College 3-Yr Average (2021-24)	Greater Sacramento 3-Yr Average (2021-2024)	NFN 3-Yr Average (2021-2024)
Administration of Justice (2105.00)	32	438	655
Corrections (2105.10)	-	5	5
Fire Academy (2133.50)	-	94	407
Fire Technology (2133.00)	-	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 Management Information Systems DataMart



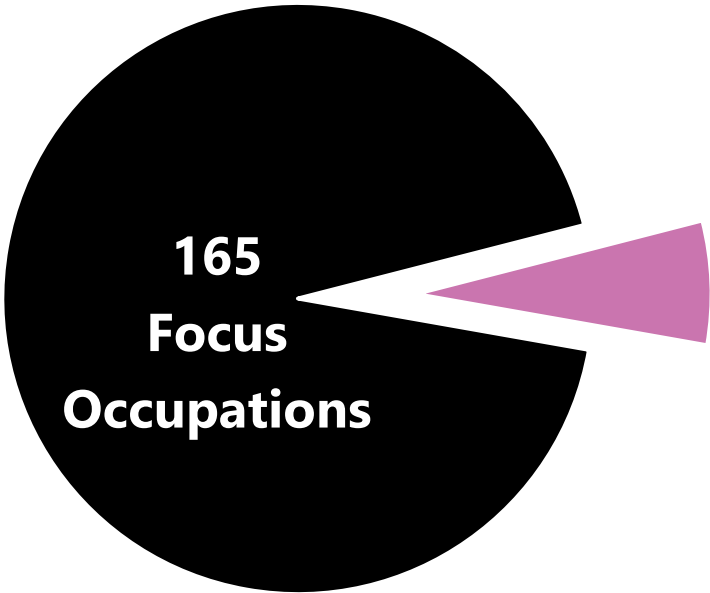
RETAIL, HOSPITALITY, AND TOURISM



Community College Supply



3 Retail, Hospitality, and Tourism Occupations



Demand

In 2023 in the college service area, there were 1,901 jobs in the 3 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	769	90	137	\$17.71
	41-1011	First-Line Supervisors of Retail Sales Workers	857	20	90	\$17.71
	11-9051	Food Service Managers	275	18	35	\$20.60

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 Woodland College, an average of 12 awards were conferred each year, compared to 119 in the Greater Sacramento subregion. The only program at Woodland College that conferred awards was Culinary Arts, with an average of 12 awards annually. Approximately 10% of all awards in the Greater Sacramento subregion were conferred by Woodland College.

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

Program Name (TOP)	Woodland College 3-Yr Average (2021-24)	Greater Sacramento 3-Yr Average (2021-2024)	NFN 3-Yr Average (2021-2024)
Culinary Arts (1306.30)	12	39	50
Family and Consumer Sciences, General (1301.00)	-	-	49
Fashion (1303.00)	-	11	11
Fashion Design (1303.10)	-	8	8
Fashion Merchandising (1303.20)	-	7	10

Program Name (TOP)	Woodland College 3-Yr Average (2021-24)	Greater Sacramento 3-Yr Average (2021-2024)	NFN 3-Yr Average (2021-2024)
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 Management Information Systems DataMart



STRONG WORKFORCE PROGRAM DATA

STUDENT COUNTS

2,167	69,504	92,358
Woodland College	Greater Sacramento	North Far North

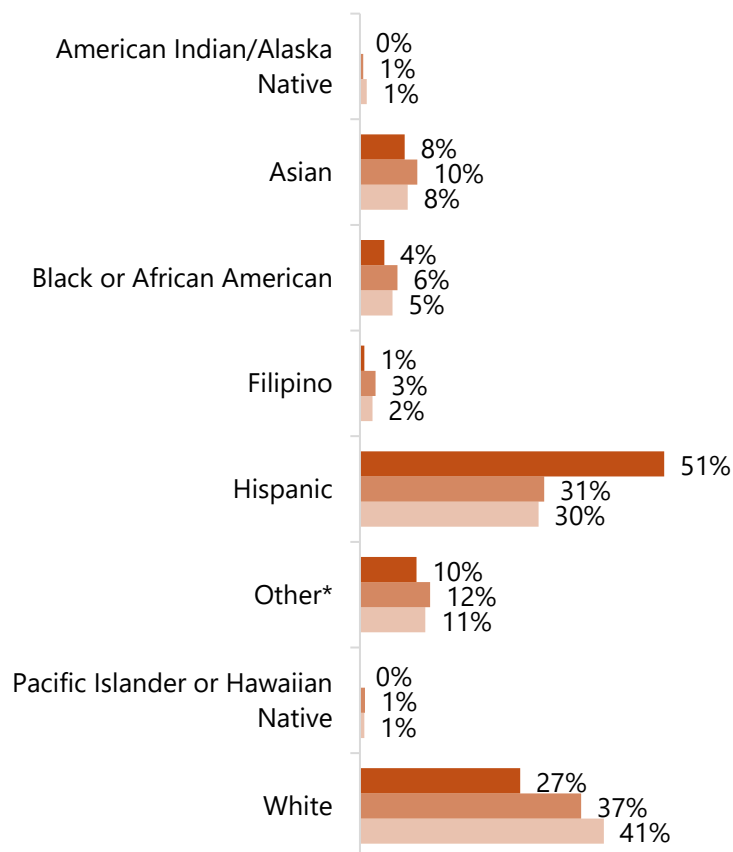
AWARDS (3-YEAR AVERAGE)

348	7,360	11,235
Woodland College	Greater Sacramento	North Far North

SWP OUTCOMES SUMMARY: TOP PERFORMING PROGRAM AREAS

MEDIAN ANNUAL EARNINGS AFTER EXIT	Agricultural Pest Control Adviser and Operator (Licensed) (0103.10)	\$71,260
	Water and Wastewater Technology (0958.00)	\$54,540
	Business Administration (0505.00)	\$53,542
	Accounting (0502.00)	\$48,392
	Infants and Toddlers (1305.90)	\$44,596
MEDIAN CHANGE IN EARNINGS	Alcohol and Controlled Substances (2104.40)	99%
	Business Management (0506.00)	76%
	Business Administration (0505.00)	46%
	Administration of Justice (2105.00)	45%
	Nutrition, Foods, and Culinary Arts (1306.00)	42%
ATTAINED A LIVING WAGE	Business Administration (0505.00)	81%
	Water and Wastewater Technology (0958.00)	77%
	Infants and Toddlers (1305.90)	67%
	Office Technology/Office Computer Applications (0514.00)	64%
	Accounting (0502.00)	64%

RACE/ETHNICITY

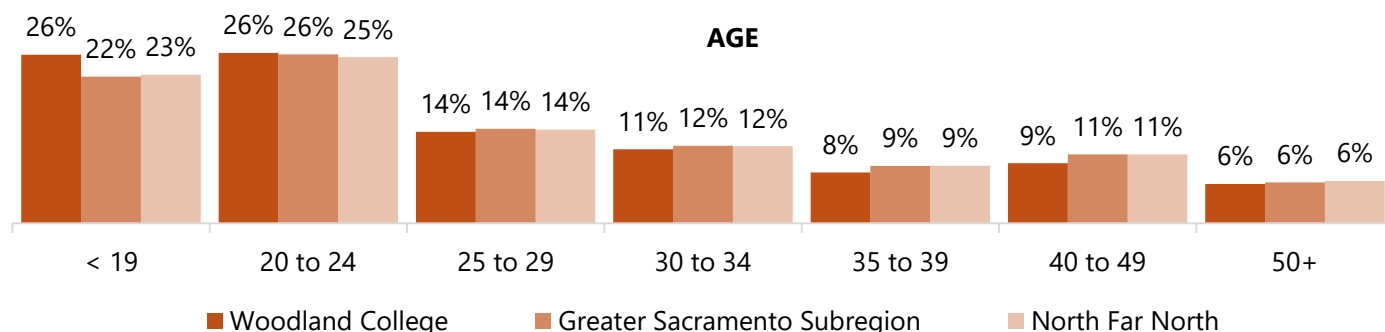


GENDER

	Female	Male	Non-Binary	Unknown/Masked
Woodland College	66%	34%	0%	0%
Greater Sacramento	47%	51%	1%	2%
North Far North	48%	50%	1%	2%

■ Woodland College
■ Greater Sacramento Subregion
■ North Far North

AGE



CONCLUSION

This report identifies key focus occupations across each sector in Colusa, Lake, and Yolo 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 Woodland College, 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 165 focus occupations, which accounted for 38% of all jobs in 2023 and are projected to generate 7,229 annual openings through 2028. These occupations span 12 CCCC sectors, with Energy, Construction, and Utilities representing the largest share (27 occupations). The Business and Entrepreneurship sector leads in job volume (17,133) and annual openings (1,973), while ICT/Digital Media offers the highest entry-level wage at \$33.84 per hour.

Among the 12 sectors, Health boasts the most substantial gap (1,930), closely trailed by Business and Entrepreneurship (1,916).

Notably, data shows no awards conferred in three sectors: Advanced Manufacturing, Advanced Transportation and Logistics, and Life Sciences and Biotechnology, 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 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, 165 met one of the three criteria identified for this report, representing 21% of the total number of occupations in the BLS SOC system that qualified.

The 165 occupations analyzed in this report comprise 38% of all Colusa, Lake, and Yolo Counties jobs in 2023 and 37% 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	23	22%
Advanced Transportation and Logistics	62	24	39%
Agriculture, Water, and Environmental Technologies	42	9	21%
Business and Entrepreneurship	101	26	26%
Education and Human Development	35	4	11%
Energy, Construction, and Utilities	113	27	24%
Health	101	22	22%
ICT/Digital Media	49	6	12%
Life Sciences and Biotechnology	8	5	63%
Other/Unassigned	102	5	5%
Public Safety	29	11	38%
Retail, Hospitality, and Tourism	50	3	6%
Grand Total	796	165	21%

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.

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

Ebony J. Benzing, Co-Director

ebony.benzing@losrios.edu

Supported by:

Juan Madrigal, Research Consultant

juan@coeccc.net



POWERED BY



California
Community
Colleges