



2025

REDWOODS 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 Redwoods Community College District (Redwoods CCD) serves as a key educational hub in Humboldt and Del Norte Counties, offering a broad range of programs to meet the diverse needs of students and the region's workforce. The district operates College of the Redwoods, with its main campus in Eureka and additional instructional sites including the Del Norte Education Center in Crescent City and the Klamath-Trinity Instructional Site.

"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 (Humboldt and Del Norte Counties) accounted for 66,273 out of nearly 1.7 million jobs in 2023, representing 4% of all jobs in the North Far North Region.¹ The number of jobs in the district service area is expected to grow by 6% through 2028, resulting in 8,942 projected annual openings.

District Service Area: Key Facts



66,273

Number of Jobs
in 2023



+4,297

5-Year Change
in Jobs through
2028



6%

5-Year Percent
Change in Jobs



8,942

Annual
Openings
(2023-2028)



6,997

Business
Establishments



240 of 796

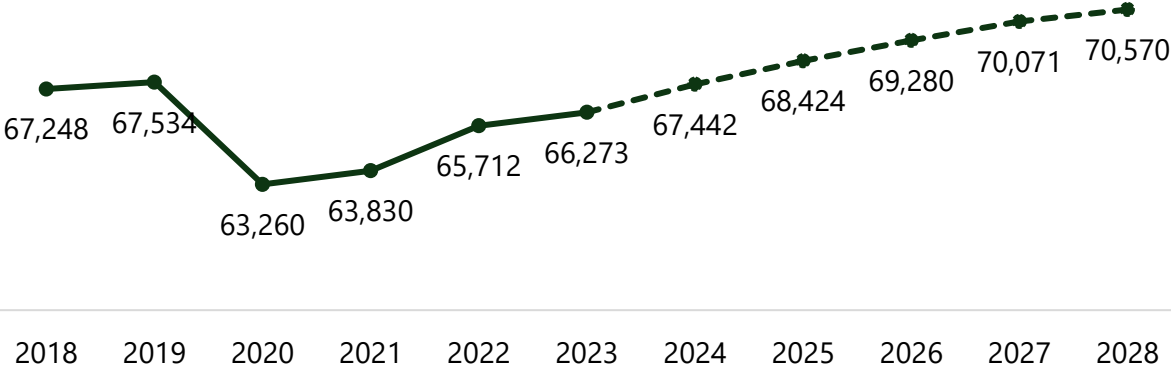
Occupations meet or
exceed the Living Wage
(\$21.48/hour)

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 (Humboldt and Del Norte Counties) declined from 67,248 jobs to 66,273, reflecting the impact and slow recovery from the Covid-19 pandemic (Exhibit 1). Employment is projected to increase to 70,570 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 29,329 out of 66,273 jobs, constituting 44% of the total workforce in the district service area (Humboldt and Del Norte Counties) (Exhibit 3).

Exhibit 2: Number of occupations by skill level

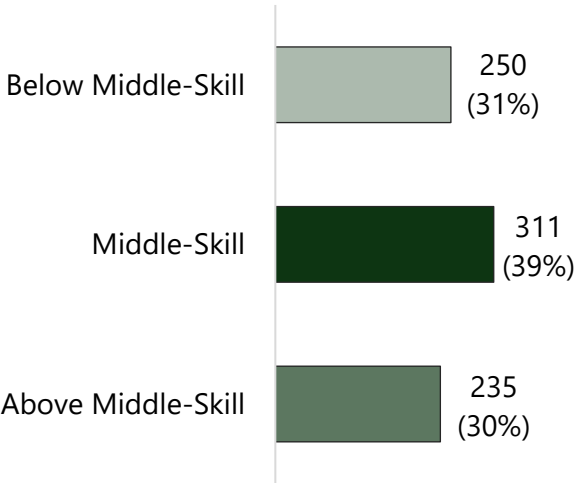
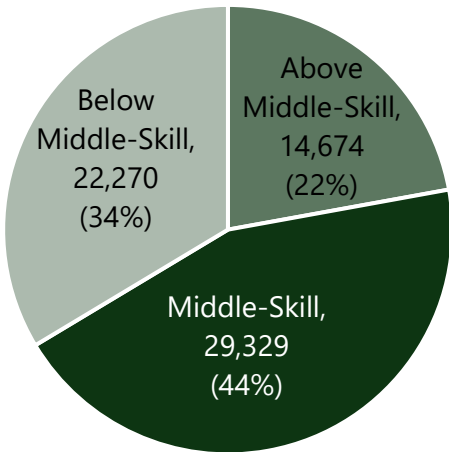


Exhibit 3: Share of 2023 jobs by skill level



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

Focus Occupations

This section of the report highlights 162 "focus occupations," representing 20% 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 \$21.48/hour in Humboldt County, or both. Collectively, these 162 jobs accounted for 28,351 jobs in 2023, making them a critical component of the district service area (Humboldt and Del Norte Counties) workforce.

28,351

Number of
2023 Jobs in Focus
Occupations

3,655

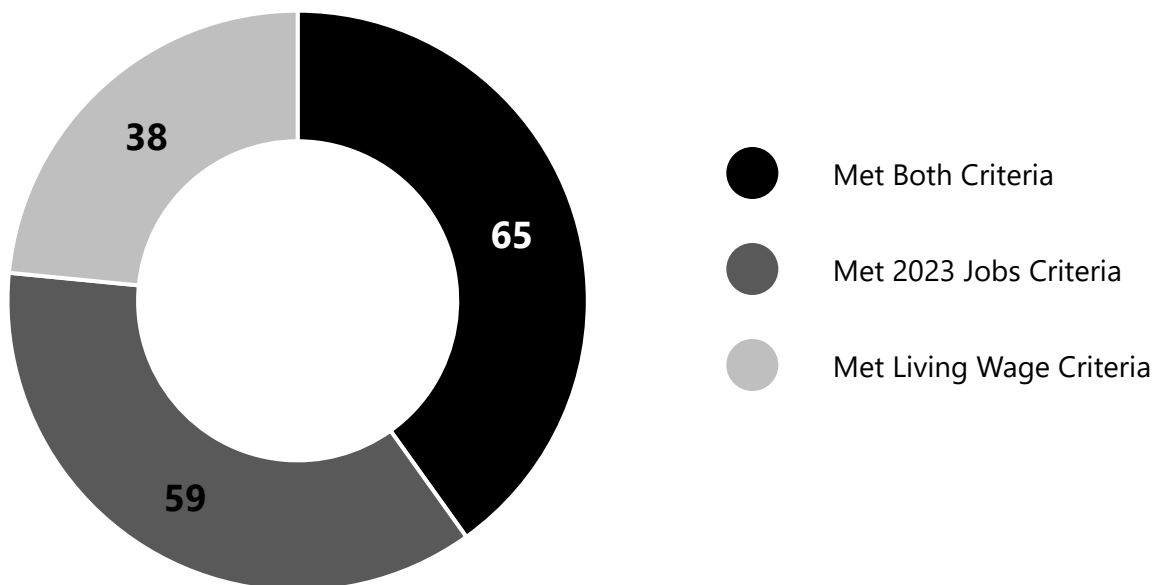
Annual Openings in Focus
Occupations
(2023-2028)

43%

Share of Total Jobs in 2023

These focus occupations underscore their importance by comprising 43% of all jobs in 2023 and demonstrating strong growth potential, with 3,655 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.

162
Occupations



Focus Occupations by CCCCCO Sector

The 162 focus occupations identified in this report span the 12 CCCCCO sectors, with the Business and Entrepreneurship and Health sectors accounting for 29 occupations (each), the most of any sector. The Health sector had the highest number of jobs in 2023 (8,217), projected change in jobs (14%), and annual job openings (1,291). The Public Safety sector had the highest weighted entry-level hourly wage (\$30.00) of all sectors. Exhibit 4 shows the sectors represented by these 162 occupations, sorted alphabetically by sector.

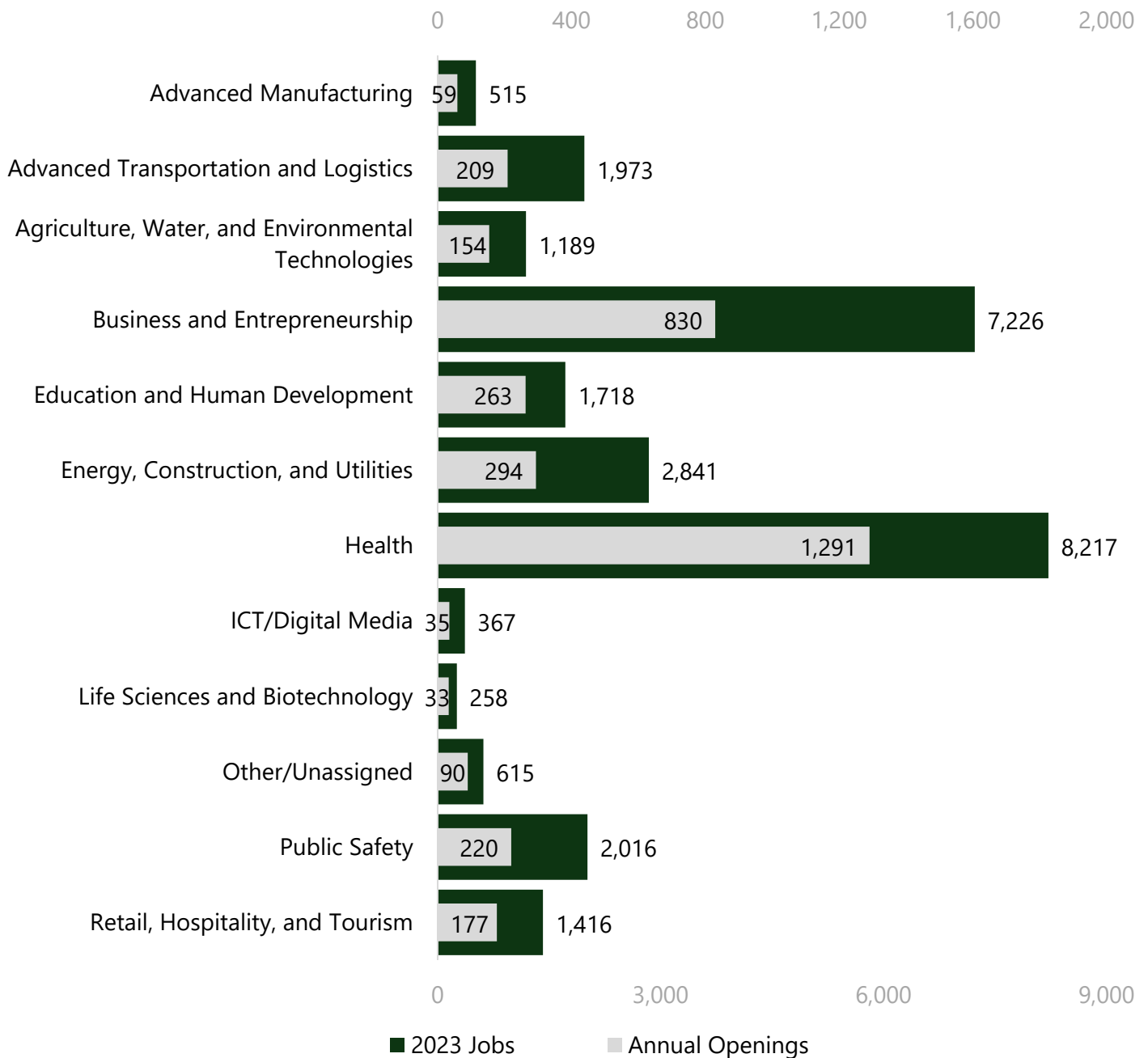
Exhibit 4: Current employment, projected occupational demand, and entry-level wages of focus occupations by CCCCCO sector

Sector	Number of Focus Occupations	2023 Jobs	5-Year Change	5-Year % Change	Annual Openings	Entry-Level Hourly Wage
Advanced Manufacturing	13	515	41	8%	59	\$22.81
Advanced Transportation and Logistics	14	1,973	76	4%	209	\$23.39
Agriculture, Water, and Environmental Technologies	7	1,189	(26)	(2%)	154	\$17.15
Business and Entrepreneurship	29	7,226	239	3%	830	\$22.28
Education and Human Development	4	1,718	125	7%	263	\$16.49
Energy, Construction, and Utilities	28	2,841	108	4%	294	\$24.84
Health	29	8,217	1,139	14%	1,291	\$23.12
ICT/Digital Media	8	367	32	9%	35	\$25.59
Life Sciences and Biotechnology	4	258	19	7%	33	\$20.90
Other/Unassigned	10	615	24	4%	90	\$20.35
Public Safety	11	2,016	177	9%	220	\$30.00
Retail, Hospitality, and Tourism	5	1,416	22	2%	177	\$18.53
Total	162	28,351	1,976	7%	3,655	\$22.65

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 (8,217) and openings (1,291), 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 Redwoods Community College District is compared to the annual openings (demand) of the 162 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 (1,169), followed by Business and Entrepreneurship (742), then Energy, Construction, and Utilities (251). In contrast, ICT/Digital Media shows an oversupply (-21).

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	Redwoods CCD 3-Yr Average Awards
Advanced Manufacturing	59	26
Advanced Transportation and Logistics	209	10
Agriculture, Water, and Environmental Technologies	154	14
Business and Entrepreneurship	830	88
Education and Human Development	263	50
Energy, Construction, and Utilities	294	43
Health	1,291	122
ICT/Digital Media	35	56
Life Sciences and Biotechnology	33	0
Other/Unassigned	90	19
Public Safety	220	26
Retail, Hospitality, and Tourism	177	0

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

515

Jobs in 2023

59

Annual Openings

26

Awards

**13 Advanced
Manufacturing
Occupations**

6

met both criteria

5

met 2023 jobs criteria

2

met living wage criteria

162
Focus
Occupations

Demand

In 2023 in the district service area, there were 515 jobs in the 13 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	151	14	18	\$23.18
	49-9041	Industrial Machinery Mechanics	72	8	8	\$25.03
	49-9044	Millwrights	40	1	3	\$25.14
	17-3023	Electrical and Electronic Engineering Technologists and Technicians	22	1	2	\$28.93
	49-9043	Maintenance Workers, Machinery	14	2	2	\$22.33
	49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	14	1	1	\$32.17
2023 Jobs	51-4121	Welders, Cutters, Solderers, and Brazers	93	8	12	\$20.83
	51-5112	Printing Press Operators	25	4	4	\$16.04
	51-4041	Machinists	19	4	3	\$18.17
	51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	21	(4)	2	\$12.94
	51-9011	Chemical Equipment Operators and Tenders	20	1	2	\$20.61
Living Wage	49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	13	0	1	\$29.37
	17-3029	Engineering Technologists and Technicians, Except Drafters, All Other	11	0	1	\$26.27

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 Redwoods Community College District (CCD), an average of 26 awards were conferred each year, compared to 274 in the Far North subregion. The top-producing program at Redwoods CCD was Welding Technology, with an average of 22 awards annually. Approximately 9% of all awards in the Far North subregion were conferred by Redwoods CCD.

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

Program Name (TOP)	Redwoods CCD 3-Year Average (2021-2024)	Far North 3-Year Average (2021-2024)	NFN 3-Year Average (2021-2024)
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	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)	2	7	11
Manufacturing and Industrial Technology (0956.00)	2	48	64
Mechanical Drafting (0953.40)	-	9	13
Ocean Technology (1920.00)	0	0	0
Welding Technology (0956.50)	22	198	282

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

ADVANCED TRANSPORTATION AND LOGISTICS

Community College Supply

Employment Demand

1,973

Jobs in 2023

209

Annual Openings

10

Awards

14 Advanced Transportation and Logistics Occupations

7

met both criteria

3

met 2023 jobs criteria

4

met living wage criteria

162
Focus
Occupations

Demand

In 2023 in the district service area, there were 1,973 jobs in the 14 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	674	(8)	71	\$22.35
	49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	219	15	21	\$29.12
	53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	170	11	20	\$22.17
	43-5061	Production, Planning, and Expediting Clerks	80	9	10	\$23.09
	49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	110	5	10	\$22.47
	49-3042	Mobile Heavy Equipment Mechanics, Except Engines	87	6	9	\$27.84
	11-3071	Transportation, Storage, and Distribution Managers	68	3	6	\$33.68
	2023 Jobs	49-3023	Automotive Service Technicians and Mechanics	318	6	29
53-3052		Bus Drivers, Transit and Intercity	101	16	17	\$20.01
49-3021		Automotive Body and Related Repairers	57	4	6	\$20.55
Living Wage	13-1081	Logisticians	36	4	4	\$27.82
	49-3043	Rail Car Repairers	18	4	2	\$30.01
	49-3011	Aircraft Mechanics and Service Technicians	21	2	2	\$26.86
	53-6051	Transportation Inspectors	14	2	2	\$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 318 awards annually across 14 programs aligned with all Advanced Transportation and Logistics occupations. At Redwoods Community College District (CCD), an average of 10 awards were conferred each year, compared to 120 in the Far North subregion. The only program at Redwoods CCD that conferred awards was Automotive Technology, with an average of 10 awards annually. Approximately 8% of all awards in the Far North subregion were conferred by Redwoods CCD.

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

Program Name (TOP)	Redwoods CCD 3-Year Average (2021-2024)	Far North 3-Year Average (2021-2024)	NFN 3-Year Average (2021-2024)
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)	10	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)	-	13	33
Heavy Equipment Operation (0947.30)	-	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

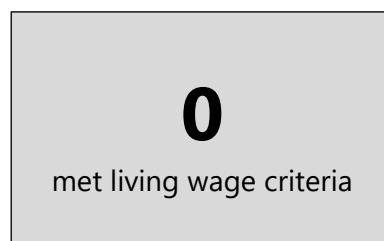
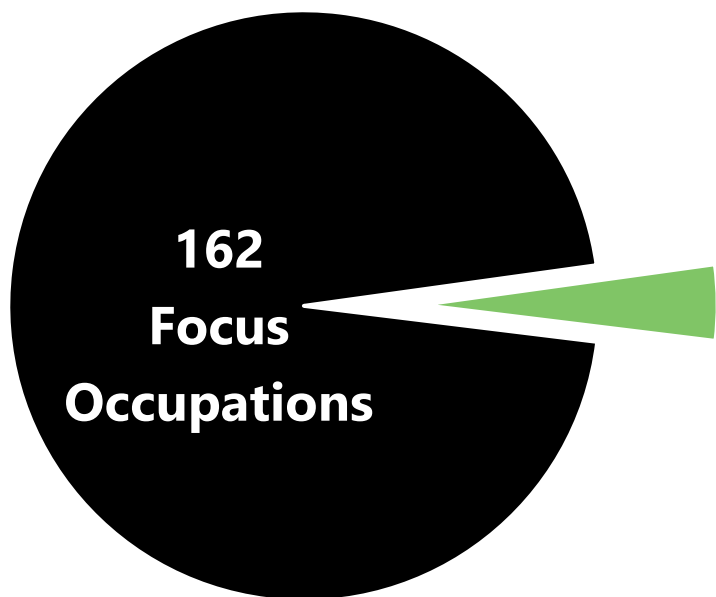
AGRICULTURE, WATER, AND ENVIRONMENTAL TECHNOLOGIES



Community College Supply



7 Agriculture, Water, and Environmental Technologies Occupations



Demand

In 2023 in the district service area, there were 1,189 jobs in the 7 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	29-2056	Veterinary Technologists and Technicians	48	3	5	\$22.92
2023 Jobs	19-4071	Forest and Conservation Technicians	296	13	39	\$19.05
	11-9013	Farmers, Ranchers, and Other Agricultural Managers	358	(44)	35	\$15.50
	45-4011	Forest and Conservation Workers	189	(4)	33	\$15.52
	31-9096	Veterinary Assistants and Laboratory Animal Caretakers	74	3	15	\$19.15
	37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	123	7	14	\$15.67
	45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	101	(4)	13	\$18.06

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 Redwoods Community College District (CCD), an average of 14 awards were conferred each year, compared to 210 in the Far North subregion. The top-producing programs at Redwoods CCD were Agriculture Technology and Sciences, General and Forestry, with an average of 5 awards annually, each. Approximately 7% of all awards in the Far North subregion were conferred by Redwoods CCD.

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

Program Name (TOP)	Redwoods CCD 3-Year Average (2021-2024)	Far North 3-Year Average (2021-2024)	NFN 3-Year Average (2021-2024)
Agricultural Pest Control Adviser and Operator (Licensed) (0103.10)	-	1	2
Agricultural Power Equipment Technology (0116.00)	-	41	41
Agriculture Business, Sales and Service (0112.00)	-	30	38
Agriculture Technology and Sciences, General (0101.00)	5	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
Forestry (0114.00)	5	11	28
Horticulture (0109.00)	1	9	17
Landscape Design and Maintenance (0109.10)	-	1	9
Natural Resources (0115.00)	-	15	47
Nursery Technology (0109.30)	-	0	1
Parks and Outdoor Recreation (0115.10)	-	1	2

Program Name (TOP)	Redwoods CCD 3-Year Average (2021-2024)	Far North 3-Year Average (2021-2024)	NFN 3-Year Average (2021-2024)
Plant Science (0103.00)	3	10	10
Veterinary Technician (Licensed) (0102.10)	-	-	29
Viticulture, Enology, and Wine Business (0104.00)	-	-	1
Wildlife and Fisheries (0115.20)	-	4	4

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



BUSINESS AND ENTREPRENEURSHIP

Community College Supply

Employment Demand

7,226

Jobs in 2023

830

Annual Openings

88

Awards

29 Business and Entrepreneurship Occupations

9

met both criteria

11

met 2023 jobs criteria

9

met living wage criteria

162
Focus
Occupations

Demand

In 2023 in the district service area, there were 7,226 jobs in the 29 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	948	76	93	\$35.51
	43-1011	First-Line Supervisors of Office and Administrative Support Workers	552	10	55	\$25.04
	41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	318	40	38	\$22.95
	43-6011	Executive Secretaries and Executive Administrative Assistants	190	(5)	20	\$23.65
	41-3021	Insurance Sales Agents	145	(1)	12	\$23.24
	11-9141	Property, Real Estate, and Community Association Managers	139	2	12	\$22.68
	11-3012	Administrative Services Managers	118	10	11	\$33.21
	13-1028	Buyers and Purchasing Agents	111	4	11	\$22.89
	43-3051	Payroll and Timekeeping Clerks	87	(4)	9	\$22.98
	2023 Jobs	43-9061	Office Clerks, General	1,125	36	144
43-6014		Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	795	21	95	\$19.76
43-3031		Bookkeeping, Accounting, and Auditing Clerks	728	7	87	\$20.21
43-4051		Customer Service Representatives	522	11	73	\$18.14

Criteria Met	SOC	Occupation	2023 Jobs	5-Year Change	Annual Openings	Entry-Level Hourly Wage
2023 Jobs	43-4171	Receptionists and Information Clerks	300	11	43	\$17.72
	39-5012	Hairdressers, Hairstylists, and Cosmetologists	223	(19)	30	\$11.43
	43-3071	Tellers	142	(1)	15	\$18.31
	41-9022	Real Estate Sales Agents	151	7	14	\$16.95
	41-9099	Sales and Related Workers, All Other	85	2	12	\$17.53
	39-5092	Manicurists and Pedicurists	90	2	11	\$11.24
	41-1012	First-Line Supervisors of Non-Retail Sales Workers	87	6	9	\$16.30
Living Wage	13-1051	Cost Estimators	58	4	6	\$31.67
	11-3013	Facilities Managers	54	6	5	\$29.72
	41-9021	Real Estate Brokers	55	3	5	\$22.60
	13-1031	Claims Adjusters, Examiners, and Investigators	58	4	5	\$32.47
	13-2028	Property Appraisers and Assessors	44	2	5	\$22.46
	43-4131	Loan Interviewers and Clerks	42	1	4	\$22.86
	43-9041	Insurance Claims and Policy Processing Clerks	36	0	3	\$22.51
	39-4031	Morticians, Undertakers, and Funeral Arrangers	12	3	2	\$24.25
	43-4011	Brokerage Clerks	11	0	1	\$31.30

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 Redwoods Community College District (CCD), an average of 88 awards were conferred each year, compared to 753 in the Far North subregion. The top-producing program at Redwoods CCD was Business and Commerce, General, with an average of 49 awards annually. Approximately 12% of all awards in the Far North subregion were conferred by Redwoods CCD.

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

Program Name (TOP)	Redwoods CCD 3-Year Average (2021-2024)	Far North 3-Year Average (2021-2024)	NFN 3-Year Average (2021-2024)
Accounting (0502.00)	13	132	476
Advertising (0509.10)	-	-	0
Business Administration (0505.00)	25	252	1,406
Business and Commerce, General (0501.00)	49	153	329
Business Management (0506.00)	-	62	175
Cosmetology and Barbering (3007.00)	-	81	139
Customer Service (0518.00)	-	6	6
E-Commerce (Business emphasis) (0509.70)	-	1	1
Legal Office Technology (0514.10)	-	8	11
Management Development and Supervision (0506.30)	1	1	4
Marketing and Distribution (0509.00)	-	14	50
Mortuary Science (1255.00)	-	-	24
Real Estate (0511.00)	-	12	81
Small Business and Entrepreneurship (0506.40)	-	23	80
Tax Studies (0502.10)	-	8	17

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

EDUCATION AND HUMAN DEVELOPMENT

Community College Supply

Employment Demand

1,718

Jobs in 2023

263

Annual Openings

50

Awards

4 Education and Human Development Occupations

162
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 1,718 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	858	124	131	\$16.73
	39-9011	Childcare Workers	557	(20)	94	\$15.52
	25-2011	Preschool Teachers, Except Special Education	251	11	30	\$16.56
Living Wage	25-2012	Kindergarten Teachers, Except Special Education	52	10	8	\$22.61

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 Redwoods Community College District (CCD), an average of 50 awards were conferred each year, compared to 362 in the Far North subregion. The only program at Redwoods CCD that conferred awards was Child Development/Early Care and Education, with an average of 50 awards annually. Approximately 14% of all awards in the Far North subregion were conferred by Redwoods CCD.

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

Program Name (TOP)	Redwoods CCD 3-Year Average (2021-2024)	Far North 3-Year Average (2021-2024)	NFN 3-Year Average (2021-2024)
Child and Adolescent Development (1305.10)	-	24	52
Child Development Administration and Management (1305.80)	-	-	21
Child Development/Early Care and Education (1305.00)	50	314	1,030
Children with Special Needs (1305.20)	-	-	3

Program Name (TOP)	Redwoods CCD 3-Year Average (2021-2024)	Far North 3-Year Average (2021-2024)	NFN 3-Year Average (2021-2024)
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
Recreation (0836.00)	-	4	15
Recreation Assistant (0836.10)	-	-	1
Sign Language Interpreting (0850.10)	-	-	29
Special Education (0809.00)	-	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

2,841

Jobs in 2023

294

Annual Openings

43

Awards

28 Energy,

Construction, and Utilities

Occupations

162
Focus
Occupations

15

met both criteria

9

met 2023 jobs criteria

4

met living wage criteria

Demand

In 2023 in the district service area, there were 2,841 jobs in the 28 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	47-2073	Operating Engineers and Other Construction Equipment Operators	305	31	33	\$28.04
	47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	315	21	32	\$32.73
	47-2111	Electricians	222	14	24	\$25.54
	47-2152	Plumbers, Pipefitters, and Steamfitters	170	12	19	\$24.65
	51-8031	Water and Wastewater Treatment Plant and System Operators	148	11	17	\$27.04
	49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	129	12	14	\$22.31
	47-4011	Construction and Building Inspectors	60	5	8	\$25.85
	17-3022	Civil Engineering Technologists and Technicians	60	2	6	\$24.06
	49-9051	Electrical Power-Line Installers and Repairers	64	2	5	\$49.29
	49-9052	Telecommunications Line Installers and Repairers	49	2	5	\$36.53
	51-8013	Power Plant Operators	53	2	5	\$30.63
	19-4042	Environmental Science and Protection Technicians, Including Health	39	1	4	\$22.43
	49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	34	2	4	\$23.82
	49-2098	Security and Fire Alarm Systems Installers	24	(1)	3	\$23.10
	17-3031	Surveying and Mapping Technicians	21	0	2	\$26.07

Criteria Met	SOC	Occupation	2023 Jobs	5-Year Change	Annual Openings	Entry-Level Hourly Wage
2023 Jobs	47-2031	Carpenters	640	(10)	58	\$20.09
	51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	103	(5)	11	\$19.22
	49-9099	Installation, Maintenance, and Repair Workers, All Other	98	2	10	\$18.93
	51-8021	Stationary Engineers and Boiler Operators	77	3	9	\$17.16
	51-7011	Cabinetmakers and Bench Carpenters	46	0	5	\$18.40
	51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	40	(2)	4	\$17.40
	51-7099	Woodworkers, All Other	26	(1)	3	\$10.89
	47-2211	Sheet Metal Workers	26	2	3	\$20.50
	17-3011	Architectural and Civil Drafters	30	(2)	3	\$20.95
	Living Wage	47-2231	Solar Photovoltaic Installers	19	3	2
47-2071		Paving, Surfacing, and Tamping Equipment Operators	18	2	2	\$28.43
49-2097		Audiovisual Equipment Installers and Repairers	14	0	2	\$22.53
49-2095		Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	11	1	1	\$33.01

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 Redwoods Community College District (CCD), an average of 43 awards were conferred each year, compared to 111 in the Far North subregion. The top-producing program at Redwoods CCD was Electrical, with an average of 17 awards annually. Approximately 39% of all awards in the Far North subregion were conferred by Redwoods CCD.

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

Program Name (TOP)	Redwoods CCD 3-Year Average (2021-2024)	Far North 3-Year Average (2021-2024)	NFN 3-Year Average (2021-2024)
Architectural Drafting (0953.10)	1	1	15
Architecture and Architectural Technology (0201.00)	-	-	24
Carpentry (0952.10)	13	13	182
Civil and Construction Management Technology (0957.00)	-	-	25
Construction Crafts Technology (0952.00)	-	11	20
Construction Inspection (0957.20)	-	0	4
Drafting Technology (0953.00)	-	20	36
Drywall and Insulation (0952.80)	-	-	79
Electrical (0952.20)	17	17	60
Energy Systems Technology (0946.10)	7	7	7
Environmental Control Technology (0946.00)	-	34	84
Mill and Cabinet Work (0952.50)	5	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

8,217

Jobs in 2023

1,291

Annual Openings

122

Awards

29 Health Occupations

Jobs in 2023

Annual Openings

162
Focus Occupations

10

met both criteria

10

met 2023 jobs criteria

9

met living wage criteria

Demand

In 2023 in the district service area, there were 8,217 jobs in the 29 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	965	107	76	\$52.08
	31-9092	Medical Assistants	400	29	58	\$21.71
	31-9091	Dental Assistants	203	8	30	\$23.64
	29-2061	Licensed Practical and Licensed Vocational Nurses	215	20	21	\$30.47
	29-2052	Pharmacy Technicians	153	(1)	14	\$22.33
	31-9097	Phlebotomists	67	2	9	\$22.75
	29-1292	Dental Hygienists	71	3	5	\$51.13
	29-2034	Radiologic Technologists and Technicians	55	9	5	\$41.84
	29-2043	Paramedics	50	3	3	\$25.39
	29-1126	Respiratory Therapists	52	1	3	\$39.84
2023 Jobs	31-1128	Home Health and Personal Care Aides	4,250	790	838	\$16.30
	21-1093	Social and Human Service Assistants	404	64	57	\$18.99
	31-1131	Nursing Assistants	357	22	57	\$19.22
	43-6013	Medical Secretaries and Administrative Assistants	338	13	38	\$19.65
	21-1094	Community Health Workers	93	14	13	\$19.06
	31-9099	Healthcare Support Workers, All Other	75	5	11	\$20.50
	31-9011	Massage Therapists	78	1	11	\$16.54
	29-2099	Health Technologists and Technicians, All Other	45	25	9	\$20.70
	29-2042	Emergency Medical Technicians	83	2	7	\$16.29
	29-2072	Medical Records Specialists	72	2	5	\$19.73

Criteria Met	SOC	Occupation	2023 Jobs	5-Year Change	Annual Openings	Entry-Level Hourly Wage
Living Wage	29-2053	Psychiatric Technicians	25	7	4	\$29.62
	31-2011	Occupational Therapy Assistants	24	0	3	\$35.95
	29-2055	Surgical Technologists	28	7	3	\$27.39
	31-2021	Physical Therapist Assistants	23	0	3	\$36.32
	51-9081	Dental Laboratory Technicians	19	3	3	\$21.91
	29-2032	Diagnostic Medical Sonographers	26	2	2	\$48.79
	29-9099	Healthcare Practitioners and Technical Workers, All Other	17	1	1	\$38.30
	29-2031	Cardiovascular Technologists and Technicians	17	1	1	\$49.40
	29-9021	Health Information Technologists and Medical Registrars	12	2	1	\$27.24

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 Redwoods Community College District (CCD), an average of 122 awards were conferred each year, compared to 904 in the Far North subregion. The top-producing program at Redwoods CCD was Registered Nursing, with an average of 58 awards annually. Approximately 13% of all awards in the Far North subregion were conferred by Redwoods CCD.

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

Program Name (TOP)	Redwoods CCD 3-Year Average (2021-2024)	Far North 3-Year Average (2021-2024)	NFN 3-Year Average (2021-2024)
Administrative Medical Assisting (1208.20)	-	-	18
Alcohol and Controlled Substances (2104.40)	12	16	54
Certified Nurse Assistant (1230.30)	-	115	126
Community Health Care Worker (1261.00)	-	-	12
Dental Assistant (1240.10)	17	17	37
Dental Hygienist (1240.20)	-	10	27
Diagnostic Medical Sonography (1227.00)	-	-	7
Emergency Medical Services (1250.00)	-	41	79
Gerontology (1309.00)	-	-	13
Health Information Coding (1223.10)	-	6	10
Health Information Technology (1223.00)	-	20	39
Health Occupations, General (1201.00)	-	21	719
Home Health Aide (1230.80)	-	1	4
Licensed Vocational Nursing (1230.20)	15	108	153
Medical Assisting (1208.00)	-	16	63
Medical Laboratory Technology (1205.00)	-	-	12

Program Name (TOP)	Redwoods CCD 3-Year Average (2021-2024)	Far North 3-Year Average (2021-2024)	NFN 3-Year Average (2021-2024)
Medical Office Technology (0514.20)	-	55	58
Nutrition, Foods, and Culinary Arts (1306.00)	-	7	30
Occupational Therapy Technology (1218.00)	-	-	16
Optical Technology (1219.00)	-	-	1
Other Health Occupations (1299.00)	-	-	15
Paramedic (1251.00)	20	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)	58	253	473
Respiratory Care/Therapy (1210.00)	-	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

367

Jobs in 2023

35

Annual Openings

56

Awards

8 ICT/Digital Media Occupations

162
Focus
Occupations

4

met both criteria

2

met 2023 jobs criteria

2

met living wage criteria

Demand

In 2023 in the district service area, there were 367 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	127	14	12	\$24.45
	15-1244	Network and Computer Systems Administrators	53	7	4	\$33.18
	15-1231	Computer Network Support Specialists	37	4	3	\$29.00
	27-4011	Audio and Video Technicians	24	1	2	\$27.88
2023 Jobs	27-4021	Photographers	57	(4)	5	\$15.50
	27-2011	Actors	29	6	5	\$17.20
Living Wage	15-1241	Computer Network Architects	21	3	2	\$36.80
	15-1255	Web and Digital Interface Designers	19	1	2	\$33.12

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 Redwoods Community College District (CCD), an average of 56 awards were conferred each year, compared to 255 in the Far North subregion. The top-producing program at Redwoods CCD was Computer Networking, with an average of 32 awards annually. Approximately 22% of all awards in the Far North subregion were conferred by Redwoods CCD.

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

Program Name (TOP)	Redwoods CCD 3-Year Average (2021-2024)	Far North 3-Year Average (2021-2024)	NFN 3-Year Average (2021-2024)
Animation (0614.40)	-	-	11
Applied Photography (1012.00)	-	4	43
Broadcast Journalism (0604.30)	-	-	0
Commercial Art (1013.00)	-	-	0
Commercial Music (1005.00)	-	7	45
Computer Graphics and Digital Imagery (0614.60)	-	-	4
Computer Information Systems (0702.00)	-	26	56
Computer Infrastructure and Support (0708.00)	18	25	108
Computer Networking (0708.10)	32	44	140
Computer Programming (0707.10)	-	-	104
Computer Software Development (0707.00)	-	-	20
Computer Support (0708.20)	-	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
Geographic Information Systems (2206.10)	-	9	25

Program Name (TOP)	Redwoods CCD 3-Year Average (2021-2024)	Far North 3-Year Average (2021-2024)	NFN 3-Year Average (2021-2024)
Graphic Art and Design (1030.00)	6	21	92
Information Technology, General (0701.00)	-	1	42
Journalism (0602.00)	-	4	28
Multimedia (0614.10)	0	9	44
Office Technology/Office Computer Applications (0514.00)	-	67	121
Other Information Technology (0799.00)	-	-	0
Radio (0604.10)	-	-	1
Radio and Television (0604.00)	-	13	33
Software Applications (0702.10)	-	-	22
Telecommunications Technology (0934.30)	-	-	7
Television (including combined TV/Film/Video) (0604.20)	-	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

258

Jobs in 2023

33

Annual Openings

0

Awards

4 Life Sciences and Biotechnology Occupations

162
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 258 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	63	6	6	\$25.15
	19-4099	Life, Physical, and Social Science Technicians, All Other	111	5	15	\$20.23
2023 Jobs	51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	72	5	10	\$17.81
Living Wage	49-9062	Medical Equipment Repairers	12	3	2	\$23.39

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 45 awards annually across 3 programs aligned with all Life Sciences and Biotechnology occupations. There were no awards conferred by Redwoods 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)	Redwoods 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

615

Jobs in 2023

90

Annual Openings

19

Awards

10 Other/Unassigned Occupations

162
Focus
Occupations

3

met both criteria

4

met 2023 jobs criteria

3

met living wage criteria

Demand

In 2023 in the district service area, there were 615 jobs in the 10 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	88	1	9	\$23.55
	43-6012	Legal Secretaries and Administrative Assistants	48	(5)	5	\$21.55
	27-3091	Interpreters and Translators	38	2	5	\$22.72
2023 Jobs	39-9031	Exercise Trainers and Group Fitness Instructors	158	3	31	\$17.02
	43-4031	Court, Municipal, and License Clerks	141	19	19	\$19.91
	25-4031	Library Technicians	58	6	11	\$18.60
	51-9071	Jewelers and Precious Stone and Metal Workers	31	(5)	4	\$12.77
Living Wage	11-9131	Postmasters and Mail Superintendents	25	0	2	\$35.82
	27-3092	Court Reporters and Simultaneous Captioners	15	0	2	\$26.14
	23-2099	Legal Support Workers, All Other	13	0	2	\$21.94

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



Supply

From 2021 to 2024, community colleges in the North Far North region awarded an average of 289 awards annually across 6 programs aligned with all Other/Unassigned occupations. At Redwoods Community College District (CCD), an average of 19 awards were conferred each year, compared to 94 in the Far North subregion. The top-producing program at Redwoods CCD was Human Services, with an average of 18 awards annually. Approximately 20% of all awards in the Far North subregion were conferred by Redwoods CCD.

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

Program Name (TOP)	Redwoods CCD 3-Yr Average (2021-24)	Far North 3-Yr Average (2021-24)	NFN 3-Yr Average (2021-24)
Fitness Trainer (0835.20)	1	2	4
Human Services (2104.00)	18	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

2,016

Jobs in 2023

220

Annual Openings

26

Awards

11 Public Safety Occupations

162
Focus
Occupations

7

met both criteria

1

met 2023 jobs criteria

3

met living wage criteria

Demand

In 2023 in the district service area, there were 2,016 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	33-3012	Correctional Officers and Jailers	655	23	65	\$30.94
	33-3051	Police and Sheriff's Patrol Officers	437	72	50	\$35.00
	33-2011	Firefighters	286	39	30	\$23.74
	43-5031	Public Safety Telecommunicators	70	10	9	\$24.20
	33-1011	First-Line Supervisors of Correctional Officers	91	5	9	\$48.69
	33-1012	First-Line Supervisors of Police and Detectives	67	13	7	\$47.54
	33-1021	First-Line Supervisors of Firefighting and Prevention Workers	62	10	6	\$35.97
2023 Jobs	33-9032	Security Guards	272	(3)	36	\$15.74
Living Wage	33-3021	Detectives and Criminal Investigators	30	6	4	\$37.61
	33-9021	Private Detectives and Investigators	26	0	2	\$23.61
	33-1099	First-Line Supervisors of Protective Service Workers, All Other	20	1	2	\$27.91

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 Redwoods Community College District (CCD), an average of 26 awards were conferred each year, compared to 709 in the Far North subregion. The top-producing program at Redwoods CCD was Police Academy, with an average of 18 awards annually. Approximately 4% of all awards in the Far North subregion were conferred by Redwoods CCD.

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

Program Name (TOP)	Redwoods CCD 3-Yr Average (2021-24)	Far North 3-Yr Average (2021-24)	NFN 3-Yr Average (2021-24)
Administration of Justice (2105.00)	8	217	655
Corrections (2105.10)	-	-	5
Fire Academy (2133.50)	-	313	407
Fire Technology (2133.00)	-	51	191
Forensics, Evidence, and Investigation (2105.40)	-	0	0
Other Public and Protective Services (2199.00)	-	-	0
Police Academy (2105.50)	18	128	186

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



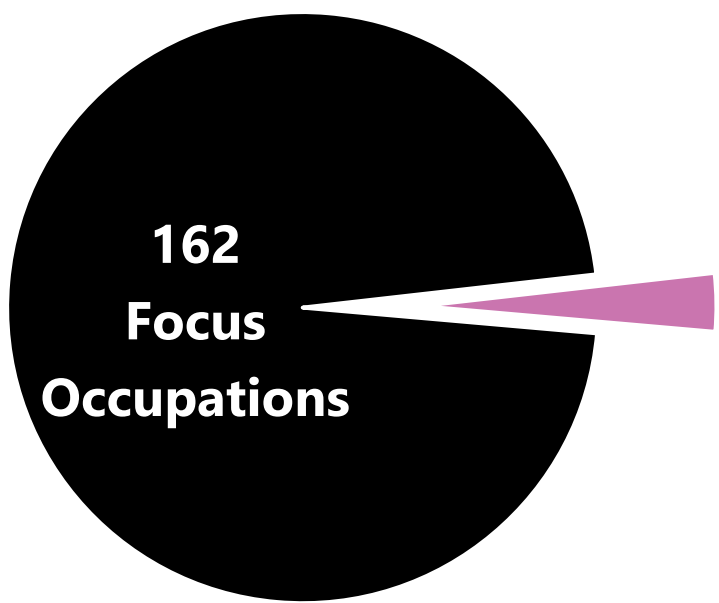
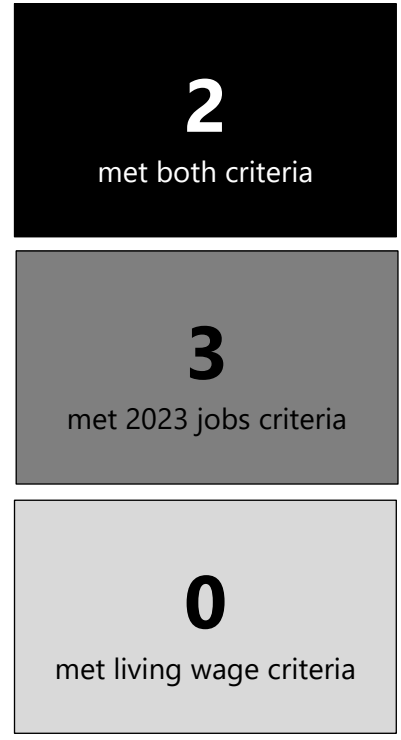
RETAIL, HOSPITALITY, AND TOURISM



Community College Supply



5 Retail, Hospitality, and Tourism Occupations



Demand

In 2023 in the district service area, there were 1,416 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	177	9	22	\$22.09
	35-1011	Chefs and Head Cooks	90	6	12	\$21.65
2023 Jobs	35-1012	First-Line Supervisors of Food Preparation and Serving Workers	395	22	64	\$17.58
	41-1011	First-Line Supervisors of Retail Sales Workers	633	(22)	63	\$18.16
	37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	121	7	16	\$16.01

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. While Redwoods Community College District (CCD) did not confer any awards in related programs, there was an average of 79 awards in the Far North subregion.

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

Program Name (TOP)	Redwoods 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
Fashion Design (1303.10)	-	-	8
Fashion Merchandising (1303.20)	-	3	10

Program Name (TOP)	Redwoods CCD 3-Yr Average (2021-24)	Far North 3-Yr Average (2021-24)	NFN 3-Yr Average (2021-24)
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)	-	12	14

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



STRONG WORKFORCE PROGRAM DATA

STUDENT COUNTS

2,951	23,055	92,358
Redwoods CCD	Far North	North Far North

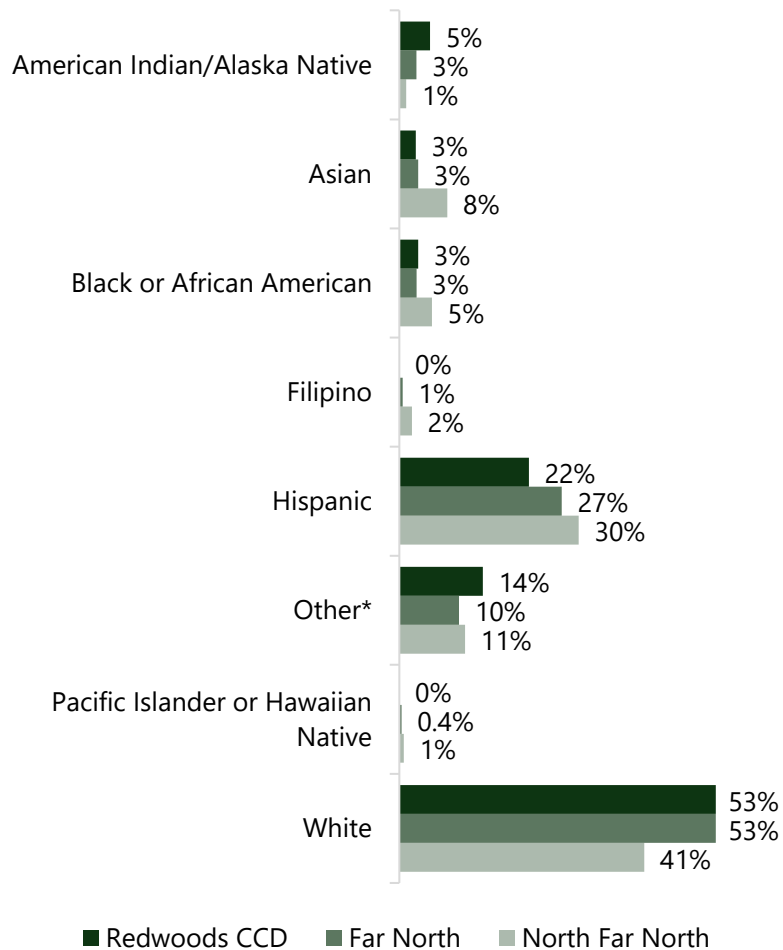
AWARDS (3-YEAR AVERAGE)

454	3,877	11,235
Redwoods CCD	Far North	North Far North

SWP OUTCOMES SUMMARY: TOP PERFORMING PROGRAM AREAS

MEDIAN ANNUAL EARNINGS AFTER EXIT	Paramedic (1251.00)	\$98,288
	Registered Nursing (1230.10)	\$94,656
	Police Academy (2105.50)	\$82,056
	Lic. Vocational Nursing (1230.20)	\$66,248
	Computer Networking (0708.10)	\$45,040
MEDIAN CHANGE IN EARNINGS	Registered Nursing (1230.10)	137%
	Welding Technology (0956.50)	106%
	Lic. Vocational Nursing (1230.20)	40%
	Police Academy (2105.50)	37%
	Alcohol and Controlled Substances (2104.40)	28%
ATTAINED A LIVING WAGE	Police Academy (2105.50)	97%
	Registered Nursing (1230.10)	95%
	Paramedic (1251.00)	91%
	Lic. Vocational Nursing (1230.20)	80%
	Electrical (0952.20)	71%

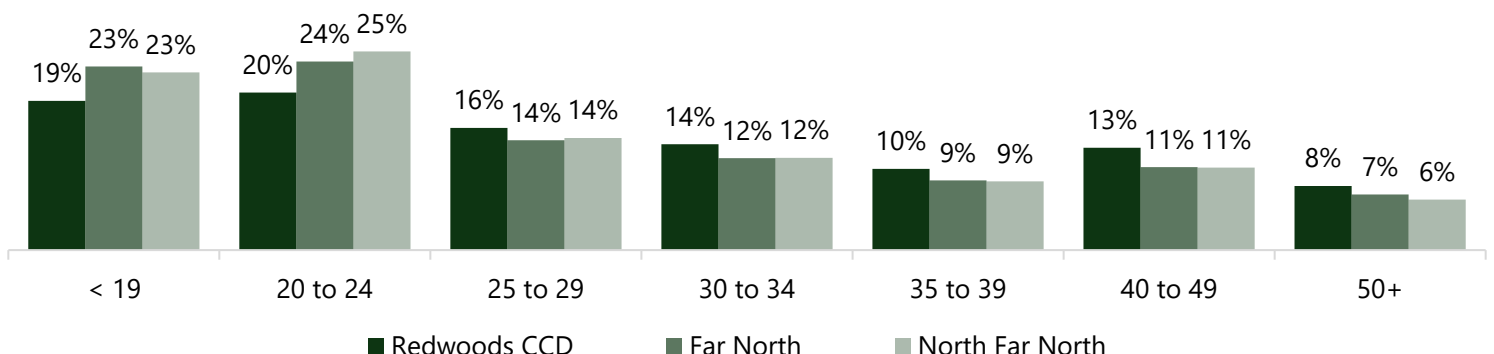
RACE/ETHNICITY



GENDER

	Female	Male	Non-Binary	Unknown/Masked
Redwoods CCD	51%	45%	2%	2%
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 Humboldt and Del Norte 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 Redwoods 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 162 focus occupations, which accounted for 43% of all jobs in 2023 and are projected to generate 3,655 annual openings through 2028. These occupations span 12 CCCCCO sectors, with Business and Entrepreneurship and Health representing the largest share (29 occupations, each). The Health sector leads in job volume (8,217), projected growth (14%), and annual openings (1,291), while Public Safety offers the highest entry-level wage at \$30.00 per hour.

Notably, one sector (as a whole)—ICT/Digital Media—shows a partial surplus of educational awards relative to job openings.

In contrast, sectors including Health; Business and Entrepreneurship; and Energy Construction, and Utilities; show the largest 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, 162 met one of the three criteria identified for this report, representing 20% of the total number of occupations in the BLS SOC system that qualified.

The 162 occupations analyzed in this report comprise 43% of all Humboldt and Del Norte 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	13	13%
Advanced Transportation and Logistics	62	14	23%
Agriculture, Water, and Environmental Technologies	42	7	17%
Business and Entrepreneurship	101	29	29%
Education and Human Development	35	4	11%
Energy, Construction, and Utilities	113	28	25%
Health	101	29	29%
ICT/Digital Media	49	8	16%
Life Sciences and Biotechnology	8	4	50%
Other/Unassigned	102	10	10%
Public Safety	29	11	38%
Retail, Hospitality, and Tourism	50	5	10%
Grand Total	796	162	20%

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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