

Labor Market Analysis for Program Review:

Hardwood Floor Layer in Greater
Sacramento

Prepared by the North Far North Center of Excellence
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Summary

The North Far North Center of Excellence for Labor Market Research (NFN COE) prepared this report to provide an analysis of occupational demand and educational supply for the studied occupations employed across the 22-county North Far North region. This report aims to determine if demand in the local labor market is unmet by the supply from existing community college programs and other postsecondary training providers, with a primary focus on training that leads to living wage jobs in middle-skilled occupations.¹

Key Findings

- **Annual job growth of hardwood floor laying occupations is faster in the Greater Sacramento subregion compared to the rest of California.** Jobs are projected to grow at a rate of 1.5% annually in the subregion, while growing at a rate of 0.24% in California as a whole.
- **Carpenters generally make good wages, with wages exceeding the living wage threshold for a single working adult in the community college's service district.** Carpenters' entry-level wages are estimated at \$25.61 per hour, and job postings show a median salary of \$35.08 per hour.
- **Most employers have no minimum education or experience requirement.** 92% of job postings did not list a minimum education level, and 81% did not list a minimum level of experience.
- **There is a significant supply gap for hardwood floor laying.** There are 1,108 annual job openings in the occupation group, and only one annual award is conferred on average.

Recommendation

Based on the findings, the North Far North COE recommends that community colleges **proceed with developing new programs** related to hardwood floor laying. The COE will defer to the community colleges for program recommendations to keep their programs in line with labor market demands. Key considerations include:

- Wages for carpenters, which make up the majority of annual job openings, exceed the living wage threshold.
- Apprenticeship is a part of the typical on-the-job training required for carpenters. Newly created programs should also focus on hands-on learning and apprenticeships.
- There is a significant supply gap for hardwood floor laying, with only one award conferred annually.

¹ Pursuant to California Education Code §78015, labor market information (LMI) is required for all new career education certificate and degree program proposals, and the North Far North Regional Consortium (NFNRC) requires LMI to come from the NFN COE. This report should serve to satisfy those requirements.

Introduction

The North Far North Center of Excellence (COE) was asked to provide labor market information for a newly proposed career education program at a regional community college. (See Appendix A for methodology and data sources.)

This report covered hardwood floor layers. American River's Hardwood Floor Laying apprenticeship is partnered with the Carpenters Drywall Lathers Union and is one of the carpentry-focused apprenticeships.

This report focuses on the following Standard Occupational Classification (SOC) occupations and codes:

- Carpenter (47-2031)
- Floor Sanders and Finishers (47-2043)

A review of related programs revealed the following Taxonomy of Programs (TOP) title(s) and code(s) are appropriate for inclusion in this report:

- Painting, Decorating and Flooring (0952.70)

The corresponding Classification of Instructional Program (CIP) title(s) and code(s) are:

- Carpet, Floor and Tile Worker (46.0413)

Occupational Demand

Exhibit 1 summarizes the five-year projected job growth for the targeted occupational groups in the Greater Sacramento subregion, the 22-county North Far North region, and California.² Not all carpenters work solely with hardwood floor laying, so annual job openings are likely overinflated.

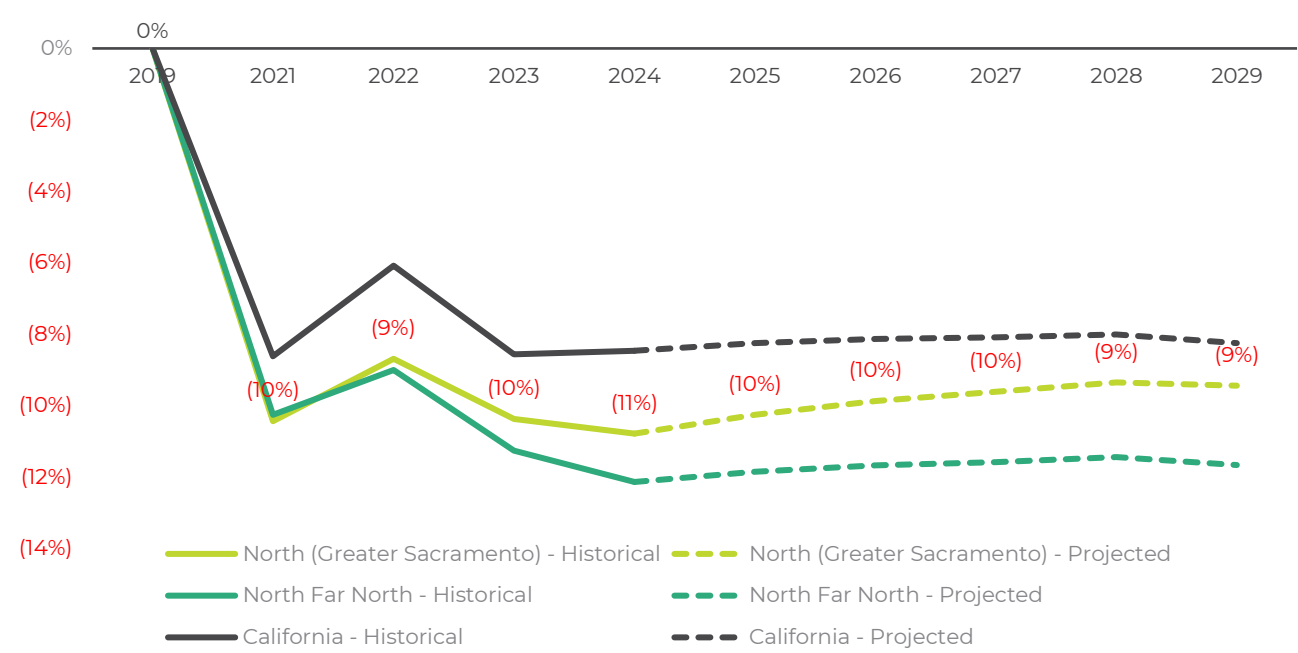
Exhibit 1. Current employment and projected occupational demand, 2024-2029

Occupational Group	2024 Jobs	2024-2029 Change	2024-2029 % Change	2024-2029 Annual Openings
Carpenters	13,294	201	2%	1,106
Floor Sanders and Finishers	26	(1)	(4%)	2
Greater Sacramento	13,320	200	1.50%	1,108
Carpenters	16,240	91	1%	1,343
Floor Sanders and Finishers	34	(3)	(9%)	2
North Far North	16,274	88	1%	1,345
Carpenters	144,238	366	0%	11,698
Floor Sanders and Finishers	339	(23)	(7%)	25
California	144,577	343	0.24%	11,723

Exhibit 2 compares historical and projected annual change in employment for the period 2019 to 2029 with the base number of jobs in 2019 for the selected subregion and in the 22-county North Far North region and California.

² The 22-county North Far North is a dual region. It is represented by the North (Greater Sacramento) subregion that covers seven counties, including El Dorado, Nevada, Placer, Sacramento, Sutter, Yolo, and Yuba, and the 15-county Far North subregion which includes Butte, Colusa, Del Norte, Glenn, Humboldt, Lake, Lassen, Mendocino, Modoc, Plumas, Shasta, Sierra, Siskiyou, Tehama, and Trinity.

Exhibit 2. Changes in employment, 2019-2029

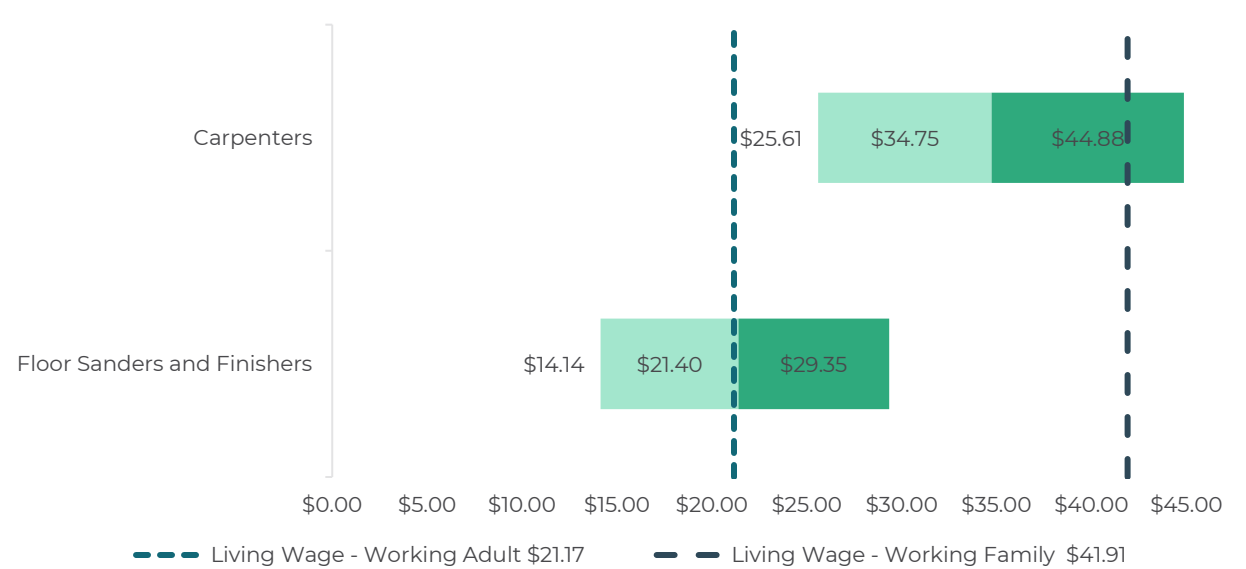


Earnings

Exhibit 3 compares the percentile hourly earnings for the selected occupations to the living wage for a single working adult and a working family residing in the county of the community college district that requested this report.^{3,4} Earnings data includes wages from employed and self-employed workers. Also, it's important to note that living wage thresholds vary by county, and in the Greater Sacramento subregion, range from \$17 to \$24 per hour for a single working adult.

Exhibit 3. Hourly earnings compared to the community college district's living wage

Requesting College	Living Wage – Working Adult	Living Wage – Working Family
American River College	\$21.17	\$41.91



³ A “living wage” is defined as the level of income one working adult with no children must earn to meet basic needs, including food, housing, transportation, healthcare, taxes, and other miscellaneous basic needs. Please note that the 25th-percentile and 75th-percentile hourly wages are used as proxies for entry-level and experienced-level wages.

⁴

A “working family” is defined as one working adult and one infant (between the ages of 0 and 2 years).

Job Postings

Analysis of online job postings can offer additional insights into recent labor market changes not reflected in historical trends. However, it is important to note that job postings do not equate to actual labor market demand, which is based on projected annual job openings.

There are several limitations to interpreting online job postings. Employers may repost the same position multiple times to attract more applicants, or job postings may remain active even if the position is no longer being filled. Additionally, a single job posting can be used to hire for multiple openings, and not all job opportunities are advertised online. Despite these limitations, job posting analyses can be valuable for guiding community college curriculum development and identifying potential employers for targeted experiential learning opportunities.

The North Far North COE identified online job postings for the selected occupations across the Greater Sacramento subregion. Only postings containing the keyword of “floor” OR “flooring” are shown below. These postings represented about 18% of all carpentry postings (there were no floor sander postings). Job posting data comes from and represents unique advertisements posted online during the last 12 months, from September 2025 to August 2025.

Exhibit 4. Job postings by occupation

Occupation	Number of Job Postings	Share of Postings	Median Advertised Salary
Carpenters	49	100%	\$35.08
Floor Sanders and Finishers	0	0%	-
Total	49	100%	\$35.08

Top employers

Exhibit 5 shows the employers with the most job postings for the selected occupations across the studied subregion.

Exhibit 5. Employers with the most job postings

Employer	Number of Job Postings
Bruce Olson Construction	6
Cutting Edge Modular	5
University of California	2

Top titles

Exhibit 6 shows the job titles with the most job postings for the selected occupations across the studied subregion.

Exhibit 6. Job titles with the most job postings

Job title	Number of Job Postings
Carpenters	16
Finish Carpenters	6
Journeyman Carpenters	4
Remodelers	3
General Construction Laborers	3
General Contractors/ Carpenters	3
Carpenters Apprentice	3
Lead Carpenters	2

Skills and qualifications

Exhibit 7 shows the most requested skills in job postings by occupation in the studied subregion.⁵ There were no software or technology skills requested.

Exhibit 7. Most requested in-demand skills in job postings

Specialized Skills	Common or Employability Skills
• Roofing • Construction • Renovation • Flooring • Plumbing • Cabinetry • Finish Carpentry • Hand Tools • Demolition • Balancing (Ledger/Billing)	• Detail Oriented • Communication • Lifting Ability • Teamwork • Problem Solving • Operations • Cleanliness • Customer Service • Good Driving Record • Leadership

⁵ Specialized skills are those primarily required to perform specific tasks in an occupation. Common skills are typically related to employability; these are skills that are prevalent across many occupations and usually include a mix of interpersonal attributes and soft skills. Software skills are specific to any software tool or programming component used to accomplish tasks in a job.

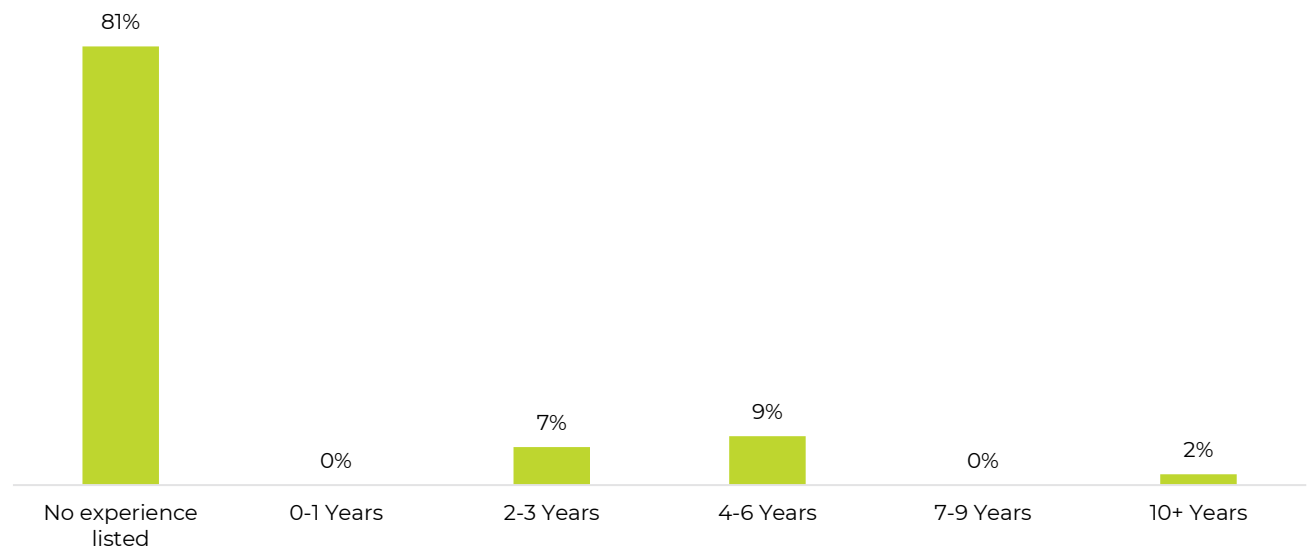
Exhibit 8 shows the employer-preferred minimum level of education in job postings related to the selected occupations in the subregion.

Exhibit 8. Employer-preferred education levels for the studied occupations



Exhibit 9 shows the employer-preferred minimum level of experience in job postings related to the selected occupations in the subregion.

Exhibit 9. Employer-preferred experience levels for the studied occupations



Education and Training Requirements

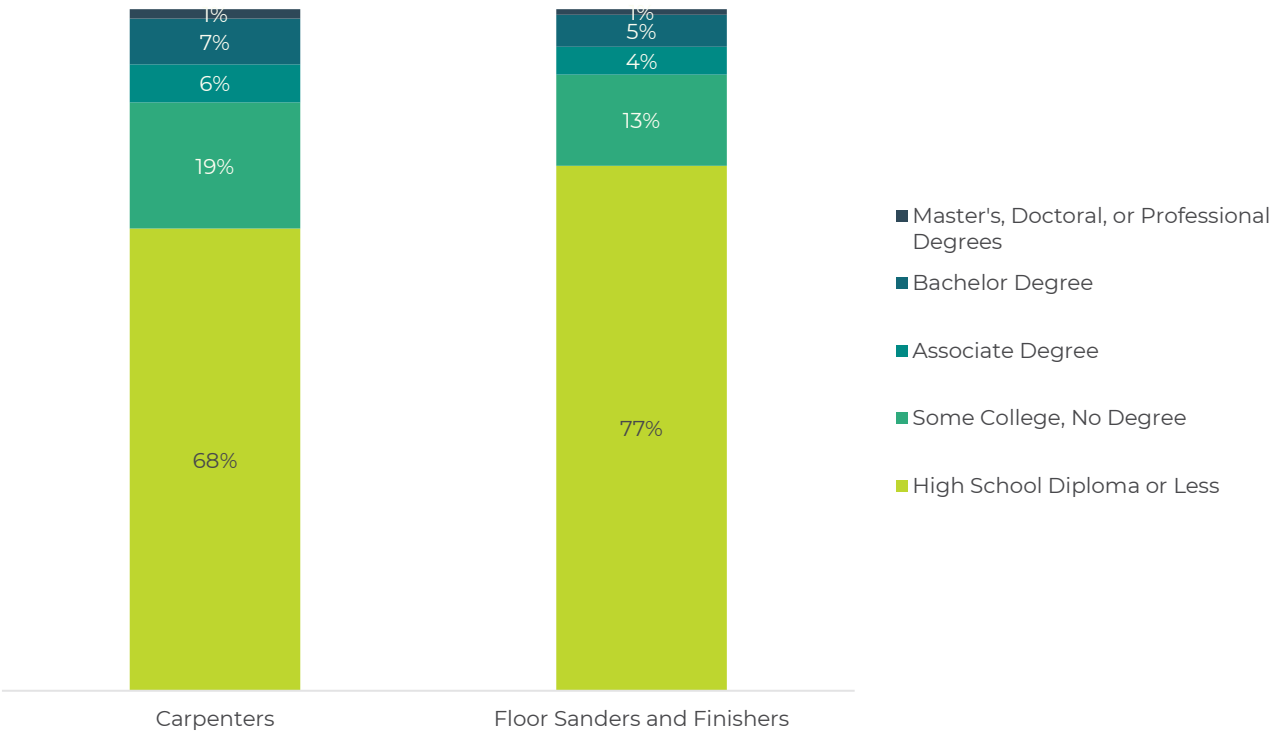
The U.S. Bureau of Labor Statistics (BLS) assigns each occupation a typical entry-level education, related work experience, and on-the-job training category in its projection data. Exhibit 10 summarizes these requirements by occupation.

Exhibit 10. Typical entry-level job requirements for the studied occupations

Occupation	Entry-Level Education	Work Experience	On-The-Job Training
Carpenters	High school diploma or equivalent	None	Apprenticeship
Floor Sanders and Finishers	No formal educational credential	None	Moderate-term on-the-job Training

The U.S. Census Bureau tracks the highest education level attained by workers in all occupations. Exhibit 11 presents this data for the current U.S. workforce in the studied occupations.

Exhibit 11. Educational attainment for workers 25 years and older by occupation, 2021-22



Educational Supply

Educational supply for an occupation can be estimated by analyzing the number of awards issued in related Taxonomy of Programs (TOP) or Classification of Instructional Programs (CIP) codes.

Community college supply

Exhibits 12 and 13 summarize the three-year average of awards (certificates and degrees) conferred by the subregion's community college programs relevant to the occupations studied. The only program in the subregion is a 19.5-unit apprenticeship certificate offered by American River college.

Exhibit 12. Average annual community college awards by TOP program

TOP Program and Code	College	2022-23 Annual Awards	2023-24 Annual Awards	2024-25 Annual Awards	Three-Year Average Awards
Painting, Decorating and Flooring (0952.70)	American River	0	1	1	1
Totals		0	1	1	1

Note: Values in the table are rounded to the nearest whole number. However, subtotals and totals are calculated using unrounded values.

Conclusion and Recommendations

Data insights

Demand— Annual job growth of hardwood floor laying occupations is faster in the Greater Sacramento subregion compared to the rest of California. Jobs are projected to grow at a rate of 1.5% annually in the subregion while growing at a rate of 0.24% in California as a whole.

Living Wage— Floor sanders and finishers have entry-level wages below the living wage threshold for a single living adult in American River’s community college district, but carpenters make significantly above that threshold. The entry-level wages for floor sanders and finishers are \$14.14, while for carpenters it is \$25.61.

Education— 17% to 25% of those in carpentry and floor sanders and finishers occupations have some college or an associate’s degree as their highest level of educational attainment. This is in line with job postings, where 92% of postings had no minimum education requirement. However, carpenter jobs usually require an apprenticeship for entry-level workers.

Supply Gap— There are 1,108 annual job openings in the occupation group, and only one annual award conferred in the form of a certificate. Although not all those annual openings will be focused on hardwood flooring, jobs posting data reveals that hardwood flooring knowledge is applicable to many carpentry jobs.

Recommendation

Based on the current analysis, the North Far North COE recommends that community colleges **proceed** in creating new programs related to Hardwood Floor Laying. The COE is also **in support of program modifications** to better align current programs to labor market needs.

New Program Recommendation		
Proceed	Use Caution	Do Not Proceed
☒	☐	☐

Support for Program Modification	
Yes	No
☒	☐

Appendix A. Methodology and Data Sources

Labor market and educational supply data compiled in this report derive from a variety of sources. Occupations were identified by using the Center of Excellence TOP-to-CIP-to-SOC Crosswalk: <http://coeccc.net/>. This report's findings were primarily determined with labor market and educational supply data from the Bureau of Labor Statistics (BLS), the economic modeling firm and job postings aggregator Lightcast, and the California Community Colleges Chancellor's Office.

Data Sources

The following table summarizes the data sources used in this study.

Data Type	Source
Labor Market Information and Job Postings	Traditional labor market information data is sourced from Lightcast, a labor market analytics firm. Lightcast's occupational employment data are based on final Lightcast industry data and final Lightcast staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and non-QCEW employee classes of worker) and the American Community Survey (self-employed and extended proprietors). For more information, see https://lightcast.io/ .
Living Wage	The living wage is derived from the Insight Center's California Family Needs Calculator, which measures the income necessary for an individual or family to afford basic expenses. The data assesses the cost of housing, food, childcare, health care, transportation, and taxes. The Chancellor's Office uses wage data to calculate the percentage of students who attained a regional living wage. For more information, visit https://selfsufficiencystandard.org/California/ .
Typical Education Level, On-the-job Training, and Educational Attainment	The Bureau of Labor Statistics (BLS) provides information about education and training requirements for hundreds of occupations. BLS uses a system to assign categories for entry-level education, work experience in a related occupation, and typical on-the-job training to each occupation for which BLS publishes projections data. For more information, visit https://www.bls.gov/emp/documentation/education/tech.htm .
Emerging Occupation Descriptions, Additional Education Requirements, and Employer Preferences	The O*NET database includes information on skills, abilities, knowledge areas, work activities, and interests associated with occupations. For more information, visit https://www.onetonline.org/help/online/ .
Labor Force, Employment and Unemployment Estimates	The California Employment Development Department's Labor Market Information Division is a source of labor market and workforce data. For more information, visit labormarketinfo.edd.ca.gov .
Educational Supply	The CCCC Management Information Systems (MIS) Data Mart provides information about students, courses, student services, outcomes, and faculty and staff. For more information, visit https://datamart.cccco.edu. The Chancellor's Office Curriculum Inventory System (COCI) collects data on courses and programs offered by the California Community Colleges. For more information, visit https://coci2.ccctechcenter.org/. The National Center for Education Statistics (NCES) Integrated Postsecondary Education Data System (IPEDS) collects data from providers of postsecondary education, including the number of postsecondary awards earned (completions). For more information, visit https://nces.ed.gov/ipeds/use-the-data/survey-components/7/completions.
Student Metrics and Demographics	DataVista, a statewide data system supported by the Chancellor's Office and hosted by Cal-PASS Plus, provides data on progress, success, employment, and earnings outcomes for California community college students. For more information, visit https://datavista.cccco.edu/ .

Living Wage

Beginning in October 2024, to determine if an occupation meets the living wage threshold, the NFN COE compared the 25th percentile hourly wage of an occupation in the subregion to the living wage for a single adult (no dependents) living in the county where the requesting community college district was located.

This change aligned with the Chancellor’s Office methodology for calculating the share of students earning a living wage after leaving the California Community College system, as reported in the Data Vista living wage metric (802S). For details, see the *DataVista Metric Definition Dictionary*.

The NFN COE updated this practice as needed to remain consistent with the Chancellor’s Office. The table below summarizes hourly living wages by community college district and county.

2024 Single Adult Living Wage			
Community College District	County	Hourly	Annual
Butte-Glenn	Butte	\$16.77	\$35,416
Feather River	Plumas	\$15.11	\$31,909
Lake Tahoe	El Dorado	\$22.11	\$46,703
Lassen	Lassen	\$14.81	\$31,274
Los Rios	Sacramento	\$21.17	\$44,709
Mendocino-Lake	Mendocino	\$17.06	\$36,039
Redwoods	Humboldt	\$16.59	\$35,046
Shasta-Tehama-Trinity Joint	Shasta	\$16.99	\$35,874
Sierra Joint	Placer	\$23.92	\$50,519
Siskiyou Joint	Siskiyou	\$14.51	\$30,639
Yuba	Sutter	\$17.08	\$36,074
California Minimum Wages			
All industries, except fast food and healthcare (Effective January 2025)		\$16.00	\$33,280
Fast food (Effective April 2024)		\$20.00	\$41,600
Healthcare (Effective October 2024)		\$18.00-\$23.00, depending on facility type	\$37,440-\$47,840

Sources: University of Washington Self Sufficiency Standard and State of California Department of Industrial Relations, “Minimum Wage,” https://www.dir.ca.gov/dlse/minimum_wage.htm

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