

Summary

Program LMI Endorsement	Endorsed: All LMI Criteria Met ☒	Endorsed: Some LMI Criteria Met ☐	Not LMI Endorsed ☐
Program LMI Endorsement Criteria			
	Yes ☒	No ☐	
Supply Gap:	<i>Comments:</i> there is projected to be 105 annual job openings in the South Central Coast (SCC) Region for these drafting technology occupations, which is less than the 108 awards conferred by educational institutions. However, the undersupply is within the COE's margin (supply is $\pm 25\%$ of demand) to be considered "supply met" rather than a "supply gap". Community colleges in the region should consider the small supply gap when developing new or expanding existing programs.		
	Yes ☒	No ☐	
Self-Sufficiency Standard Living Wage ¹ :	<i>Comments:</i> All (100%) of annual job openings for these drafting technology occupations have entry-level hourly wages above the Los Angeles County living wage of \$24.03.		
	Yes ☒	No ☐	
Education:	<i>Comments:</i> Though the typical entry-level education for these drafting technology occupations typically require an associate degree, between 53% and 57% of workers in the field have completed some college or an associate degree as their highest level of education.		
Additional Considerations			
Emerging Occupation(s):	Yes ☐	Some ☐	No ☒
<i>Comments:</i> N/A			

The South Central Coast Center of Excellence for Labor Market Research (SCC COE) prepared this report to determine whether there is a supply gap in the SCC regional labor market related to four middle-skill occupations:

- *Architectural and Civil Drafters (17-3011)*
- *Electrical and Electronic Drafters (17-3012)*
- *Mechanical Drafters (17-3013)*

¹ The living wage endorsement criteria in this report uses the University of Washington's Center for Women's Welfare Self-Sufficiency Standard, which the COE refers to as a living wage; the living wage for Los Angeles, San Luis Obispo, Santa Barbara, and Ventura counties, last updated in March 2024.

- *Drafters, All Other (17-3019)*

Based on the available data, supply is slightly greater than demand. However, the oversupply is within the COE's margin (supply is $\pm 25\%$ of demand) to be considered "supply met" rather than a "supply gap". Community colleges in the region should consider the small oversupply when developing new or expanding existing programs. Additionally, all annual job openings have entry-level wages above the Self-Sufficiency Standard living wage and typical education requirements for these occupations align with a community college education. **Therefore, due to all of the regional labor market criteria being met, the COE endorses this proposed program.**

Exhibit 1 lists the occupational demand, supply, typical entry-level education, and educational attainment for the occupations included in this report.

Exhibit 1: Labor Market Endorsement Summary

Occupation (SOC)	Demand (Annual Openings)	Supply (CC and Non-CC)	Entry-Level Hourly Earnings (25 th Percentile)	Typical Entry-Level Education	Community College Educational Attainment
Architectural and Civil Drafters (17-3011)	63	98	Northern LA: \$29.41	Associate degree	53%
Electrical and Electronics Drafters (17-3012)	15	1	Northern LA: \$26.62	Associate degree	57%
Mechanical Drafters (17-3013)	18	10	Northern LA: \$28.21	Associate degree	57%
Drafters, All Other (17-3019)	9	Accounted for Above	Northern LA: \$27.05	Associate degree	57%
Total	105	108	N/A	N/A	N/A

Demand:

- The number of jobs related to these drafting technology occupations is projected to decrease 2% through 2029 in the SCC region. There is projected to be 105 annual job openings due to job replacements.
- Hourly entry-level wages for these drafting technology occupations in Northern Los Angeles County range from \$26.62 to \$29.41; all (100%) annual job openings have entry-level wages above the Self-Sufficiency Standard living wage (\$24.03 for Los Angeles County).
- There were 294 online job postings for these drafting technology occupations over the past 12 months. The highest number of postings were for drafters, architectural designers, and designers.
The typical entry-level education for these drafting technology occupations is an associate's degree.
- Between 53% and 57% of workers in the field have completed some college or an associate degree as their highest level of education.

Supply:

- There was an average of 107 awards conferred by six community colleges in the SCC Region from 2021 to 2024.
- Non-community college institutions conferred 154 related awards from 2020 to 2023.
- SCC community college students that exited Drafting Technology (0953.00) programs in the 2022-23 academic year had a median annual wage of \$45,994 (\$22.11 per hour) after exiting the program and 43% attained the regional living wage (Self-Sufficiency Standard).
- Throughout California, 75% of Drafting Technology students that exited their program in 2021-22 reported that they are working in a job closely related to their field of study. This data was unavailable at the regional level.

Demand

Occupational Projections:

Exhibit 2 compares historical and projected changes in employment for these occupations compared to the number of jobs in 2019. Notably, employment for these drafting technology occupations in San Luis Obispo County grew 15% from 2019 to 2024, which is significantly higher when compared to employment for these occupations in California, the SCC Region, and all other counties in the SCC region. From 2024 to 2029, employment for these drafting technology occupations is projected to slightly decline in all areas except San Luis Obispo County, where employment is projected to remain relatively flat.

Exhibit 2: Historical and Projected Employment for Drafting Technology Occupations in the SCC Region, 2019-2029

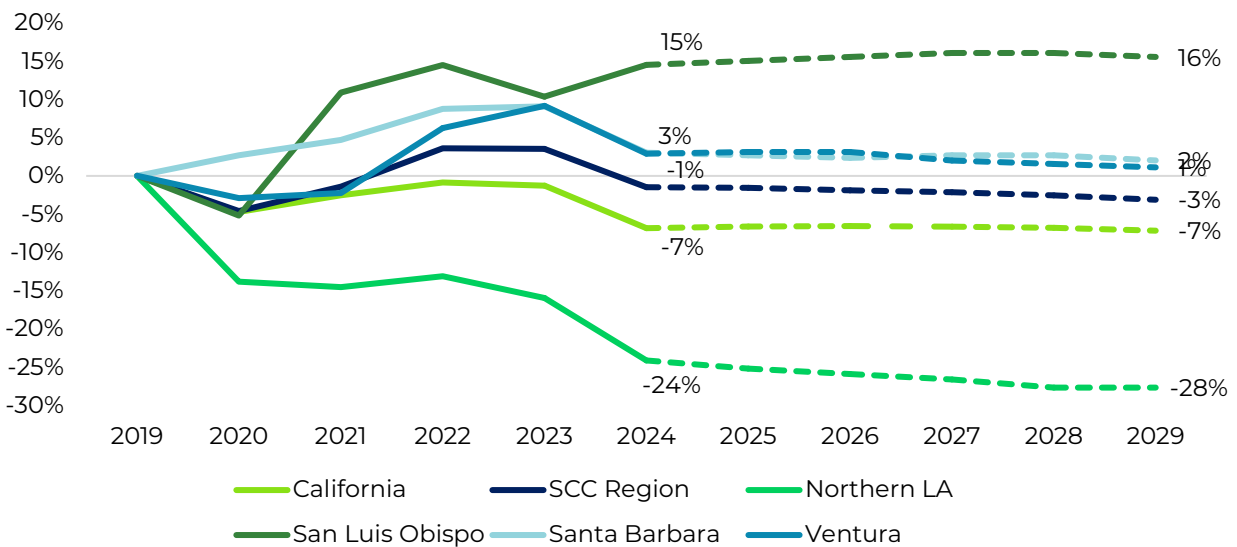


Exhibit 3 shows the five-year occupational demand projections for these drafting technology occupations. In the SCC Region, the number of jobs related to these occupations is projected to decrease 2% through 2029. There is projected to be 105 jobs available annually. Ventura County has the highest number of jobs and annual openings, but employment is projected to decrease through 2029.

Exhibit 3: Occupational Demand in the SCC Region²

Geography	2024 Jobs	2029 Jobs	2024-2029 Change	2024-2029 % Change	Annual Openings
Northern LA	214	203	(11)	(5%)	18
San Luis Obispo	221	223	2	1%	19
Santa Barbara	305	303	(2)	(1%)	26
Ventura	462	454	(8)	(2%)	39
SCC Region	1,202	1,182	(20)	(2%)	105

Wages:

The labor market endorsement in this report considers the entry-level hourly wages for these drafting technology occupations in relation to the living wage of the county where the requesting community college is located. This report was requested by Antelope Valley College, which is in Los Angeles County. Wages for other counties are included below to provide a complete analysis of the SCC Region.

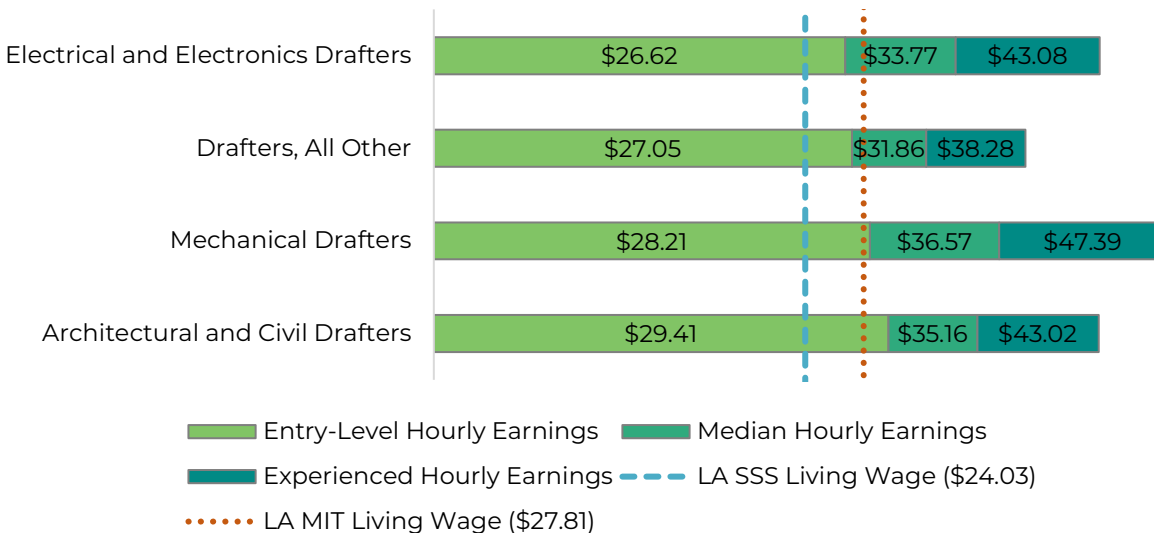
In addition to the Self Sufficiency Standard living wage, data for the MIT Living Wage, updated on February 10, 2025, is provided as a reference. Currently, the MIT Living Wage in Los Angeles County is \$26.63. Both figures account for geographic-specific costs of necessities such as housing, food, health care, and transportation to assess the cost of living, and are notated in the exhibits below.

² Five-year change represents new job additions to the workforce. Annual openings include new jobs and replacement jobs that result from retirements and separations.

Northern Los Angeles

All (100%) annual openings for these drafting technology occupations have entry-level wages above the Self-Sufficiency Standard living wage for one adult (\$24.03 in Los Angeles County). Typical entry-level hourly wages range between \$26.62 and \$29.41. Exhibit 4 shows the wage range for each of these drafting technology occupations in Northern Los Angeles and how they compare to the regional living wage, sorted from lowest to highest entry-level wage.

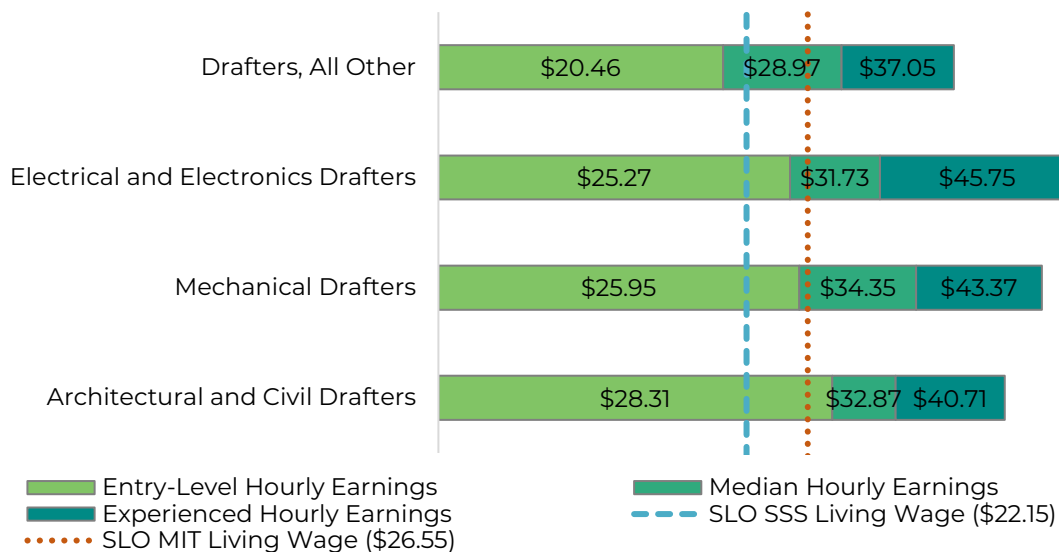
Exhibit 4: Wages by Occupation in Northern Los Angeles County



San Luis Obispo

The majority (98%) of annual openings for these drafting technology occupations have entry-level wages above the Self-Sufficiency Standard living wage for one adult (\$22.15 in San Luis Obispo County). Typical entry-level hourly wages range between \$20.46 and \$28.31. Exhibit 5 shows the wage range for each of these drafting technology occupations in San Luis Obispo County and how they compare to the regional living wage, sorted from lowest to highest entry-level wage.

Exhibit 5: Wages by Occupation in San Luis Obispo County

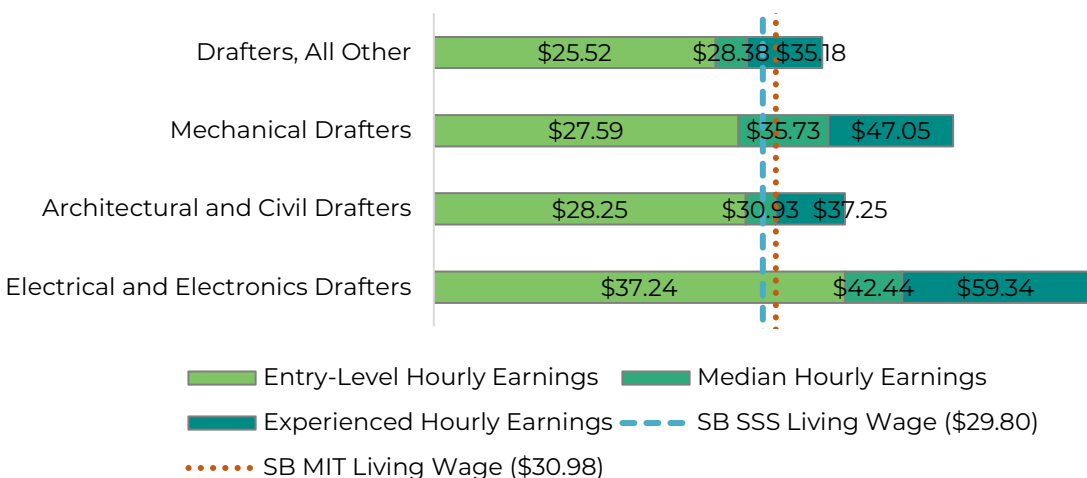


Santa Barbara

The majority (88%) of annual openings for these drafting technology occupations have entry-level wages below the Self-Sufficiency Standard living wage for one adult (\$29.80 in Santa Barbara County). Typical entry-level hourly wages range between \$25.52 and \$37.24.

Experienced level wages are above the living wage for all four occupations. Exhibit 6 shows the wage range for each of these drafting technology occupations in Santa Barbara County and how they compare to the regional living wage, sorted from lowest to highest entry-level wage.

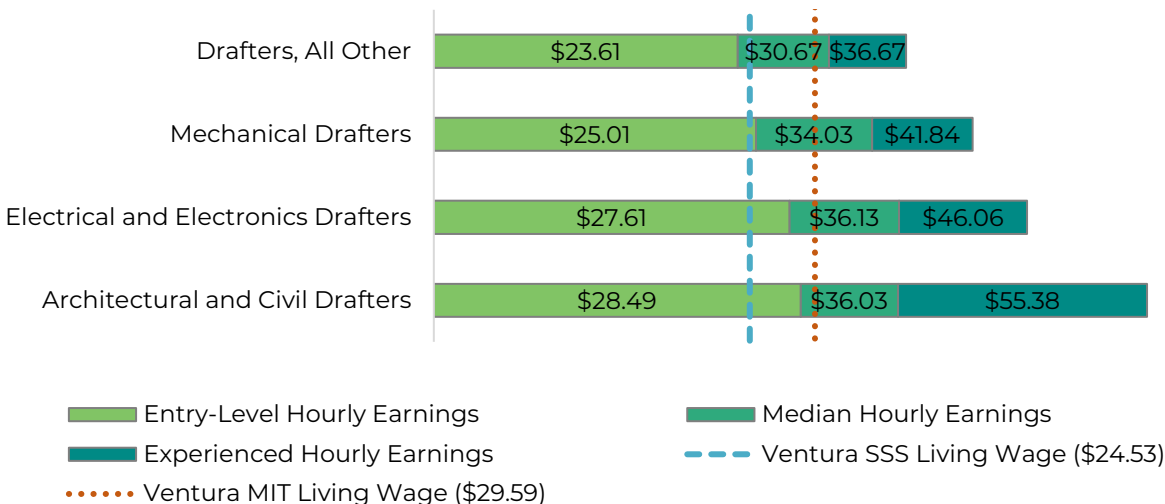
Exhibit 6: Wages by Occupation in Santa Barbara County



Ventura

The majority (90%) of annual openings for these drafting technology occupations have entry-level wages above the Self-Sufficiency Standard living wage for one adult (\$24.53 in Ventura County). Typical entry-level hourly wages range between \$23.61 and \$28.49. Median hourly earnings for these drafting technology occupations in Ventura County are above the living wage. Exhibit 7 shows the wage range for each of these drafting technology occupations in Ventura County and how they compare to the regional living wage, sorted from lowest to highest entry-level wage.

Exhibit 7: Wages by Occupation in Ventura County



Job Postings:

There were 294 online job postings related to these drafting technology occupations listed in the past 12 months in the SCC Region. Exhibit 8 shows the number of job postings by county. Approximately 34% of job postings were in Ventura County.

Exhibit 8: Number of Job Postings by County (n=294)

County	Job Postings	Percentage of Job Postings
Ventura	99	34%
Northern Los Angeles	97	33%
San Luis Obispo	50	17%
Santa Barbara	48	16%
Total Postings	294	100%

Of the 294 postings, almost half (40%) were for *Architectural and Civil Drafters (17-3011)*, followed by *Drafters, all Other (17-3019)*, as shown in Exhibit 9.

Exhibit 9: Number of Job Postings by Occupation (n=294)

Occupation	Job Postings	Percentage of Job Postings
Architectural and Civil Drafters	119	40%
Drafters, All Other	89	30%
Mechanical Drafters	56	19%
Electrical and Electronics Drafters	30	10%
Total Postings	294	100%

The top employers in the region, by number of job postings, are shown in Exhibit 10.

Exhibit 10: Top Employers by Number of Job Postings (n=294)

Employer	Job Postings	Percentage of Job Postings
GPAC	12	4%
Northrop Grumman	10	3%
Southern California Edison	7	2%
Actalent	5	2%
Stantec	5	2%
APR Consulting	5	2%
Bureau Veritas	5	2%
California State University-Chancellors Office	4	1%
Ab Design Studio	4	1%
Floor & Decor	4	1%

The top specialized, soft, and computer skills listed by those most frequently mentioned in job postings (denoted in parentheses) are shown in Exhibit 11.

Exhibit 11: Top Skills by Number of Job Postings (n=294)

Top Specialized Skills	Top Soft Skills	Top Computer Skills
AutoCAD (124)	Communication (159)	AutoCAD (124)
Computer-Aided Design (104)	Detail Oriented (89)	Autodesk Revit (66)
Autodesk Revit (66)	Problem Solving (44)	Computer Aided Three-Dimensional Interactive Application (CATIA) (54)
Project Management (64)	Microsoft Office (41)	SolidWorks (CAD) (45)
Computer Aided Three-Dimensional Interactive Application (CATIA) (54)	Coordinating (36)	Microsoft Office (41)
3D Modeling (50)	Organizational Skills (32)	SketchUp (3D Modeling Software) (27)
Construction (47)	Ability To Meet Deadlines (31)	Design Software (22)
SolidWorks (CAD) (45)	Mathematics (28)	Microsoft Excel (22)
Technical Drawing (44)	Planning (27)	AutoCAD Civil 3D (20)
Electronics (43)	Time Management (27)	Rhinoceros 3D (12)

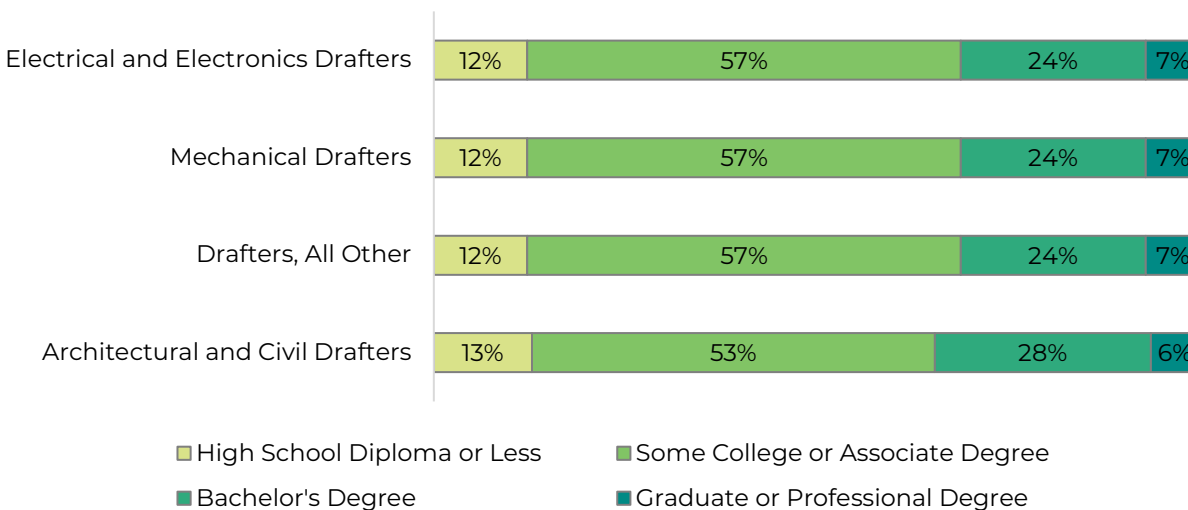
Educational Attainment:

The Bureau of Labor Statistics (BLS) lists the following as the typical entry-level education for these drafting technology occupations:

- Associate Degree
 - *Architectural and Civil Drafters (17-3011)*
 - *Electrical and Electronic Drafters (17-3012)*
 - *Mechanical Drafters (17-3013)*
 - *Drafters, All Other (17-3019)*

The national-level educational attainment data indicates between 53% and 57% of workers in the field have completed some college or an associate degree as their highest level of education. Exhibit 12 shows the educational attainment for each occupation, sorted by highest community college educational attainment to lowest.

Exhibit 12: National-level Educational Attainment for Occupations



Of the 58% of the cumulative job postings for these drafting technology occupations that listed a minimum education requirement in the SCC Region, 53% (90) requested a high school diploma or an associate degree, 46% (79) requested a bachelor's degree, and 1% (2) requested a graduate or professional degree.

Educational Supply

Community College Supply:

Exhibit 13 shows the three-year average number of awards conferred by community colleges in the related TOP codes:

- Architecture and Architectural Technology (0201.00)
- Drafting Technology (0953.00)
- Architectural Drafting (0953.10)
- Mechanical Drafting (0953.40)

No awards were conferred for the following TOP codes:

- Computer Electronics (0934.10)
- Civil Drafting (0953.20)

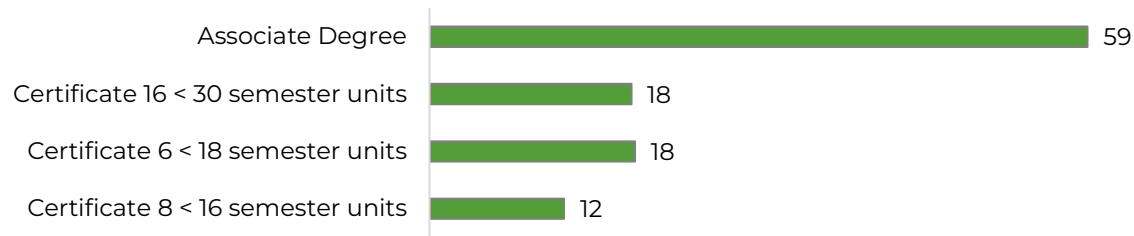
The college with the most completions in the region is Ventura College (50), followed by College of the Canyons (40), and Allan Hancock College (16).

Exhibit 13: Regional Community College Awards (Certificates and Degrees), 2021-2024

TOP Code	Program	College	2021- 2022 Awards	2022- 2023 Awards	2023- 2024 Awards	3-Year Award Average
0201.00	Architecture and Architectural Technology	Cuesta	15	17	11	14
		Ventura	0	0	34	11
Supply Subtotal/Average			15	17	45	26
0953.00	Drafting Technology	Allan Hancock	1	2	5	3
		Antelope Valley	1	13	6	7
		Santa Barbara	3	5	3	4
		Ventura	45	32	5	27
Supply Subtotal/Average			50	52	19	40
0953.10	Architectural Drafting	Allan Hancock	4	8	21	11
		Canyons	22	25	15	21
Supply Subtotal/Average			26	33	36	32
0953.40	Mechanical Drafting	Canyons	0	0	1	0
		Ventura	12	8	8	9
Supply Subtotal/Average			12	8	9	9
Supply Total/Average			103	110	109	107

Exhibit 14 shows the annual average community college awards by type from 2021-22 to 2023-24. The plurality of the awards are for associate degrees, followed by certificates between 16 and less than 30 semester units and certificates between 6 and less than 18 semester units.

Exhibit 14: Annual Average Community College Awards by Type, 2021-2024



Community College Student Outcomes:

Exhibit 15 shows the Strong Workforce Program (SWP) metrics for Drafting Technology (0953.00) programs at Antelope Valley College (AVC), the SCC Region, and California. The SCC COE analyzed program data in the Chancellor's Curriculum Inventory (COCI), which showed there are no active programs or courses under the Drafting Technology (0953.00) TOP code. Therefore, data is unavailable for AVC.

Throughout the SCC Region, students that exited Drafting Technology (0953.00) programs in the 2022-2023 academic year had lower median annual earnings (\$45,994 or \$22.11 per hour) compared to students statewide (\$47,688 or \$22.93 per hour). A lower percentage of SCC Region Drafting Technology (0953.00) students attained the living wage (43%) compared to all Drafting Technology (0953.00) students in the state (51%).

Exhibit 15: Drafting Technology (0953.00) Strong Workforce Program Metrics, 2023-24³⁴

SWP Metric	AVC	SCC Region	California
SWP Students	19	506	7,190
SWP Students Who Earned 9 or More Career Education Units in the District in a Single Year	Data Unavailable	38%	33%
SWP Students Who Completed a Noncredit CTE or Workforce Preparation Course	Data Unavailable	Data Unavailable	48%
SWP Students Who Earned a Degree or Certificate or Attained Apprenticeship Journey Status	Data Unavailable	Data Unavailable	4%
SWP Students Who Transferred to a Four-Year Postsecondary Institution (2022-23)	Data Unavailable	6%	5%
SWP Students with a Job Closely Related to Their Field of Study (2021-22)	Data Unavailable	Data Unavailable	75%
Median Annual Earnings for SWP Exiting Students (2022-23)	Data Unavailable	\$45,994 (\$22.11)	\$47,688 (\$22.93)
Median Change in Earnings for SWP Exiting Students (2022-23)	Data Unavailable	35%	35%
SWP Exiting Students Who Attained the Living Wage (2022-23)	Data Unavailable	43%	51%

³ All SWP metrics are for 2023-24 unless otherwise noted. Metrics data is sourced from DataVista.

⁴ Data that is not available in DataVista is denoted in Exhibit 15 as "data unavailable." Data may not be available for various reasons, including cases where data is masked to protect personally identifiable information.

Non-Community College Supply:

To comprehensively analyze the regional supply, it is crucial to include data from other institutions offering Drafting Technology training programs. Over the past three years (2020-2023), there were 154 awards conferred by non-community college institutions under the related Classification of Instructional Programs (CIP) codes:

- Electrical/Electronics Drafting and Electrical/Electronics CAD/CADD (15.1305)

Though 153 Architectural and Building Sciences/Technology (04.0902) awards were conferred by Cal Poly San Luis Obispo, all awards were for bachelor's degrees. Because this program typically trains for above middle-skill engineer and related roles, rather than middle-skill drafting technology occupations, the 153 awards were excluded from this analysis.

No awards conferred by non-community college institutions under the related Classification of Instructional Programs (CIP) codes:

- Architectural Technology/Technician (04.0901)
- Architectural Engineering Technologies/Technicians (15.0101)
- Integrated Circuit Design Technology/Technician (15.0306)
- Drafting and Design Technology/Technician, General (15.1301)
- CAD/CADD Drafting and/or Design Technology/Technician (15.1302)
- Architectural Drafting and Architectural CAD/CADD (15.1303)
- Civil Drafting and Civil Engineering CAD/CADD (15.1304)
- Mechanical Drafting and Mechanical Drafting CAD/CADD (15.1306)

Exhibit 16 shows the number of awards conferred by non-community college institutions.

Exhibit 16: Regional Non-Community College Awards, 2020-2023

CIP Code	Program	College	2020-2021 Awards	2021-2022 Awards	2022-2023 Awards	3-Year Award Average
15.1305	Electrical/Electronics Drafting and Electrical/Electronics CAD/CADD	Ventura Adult and Continuing Education	1	2	0	1
Supply Total/Average			1	2	0	1

Regional Demographics

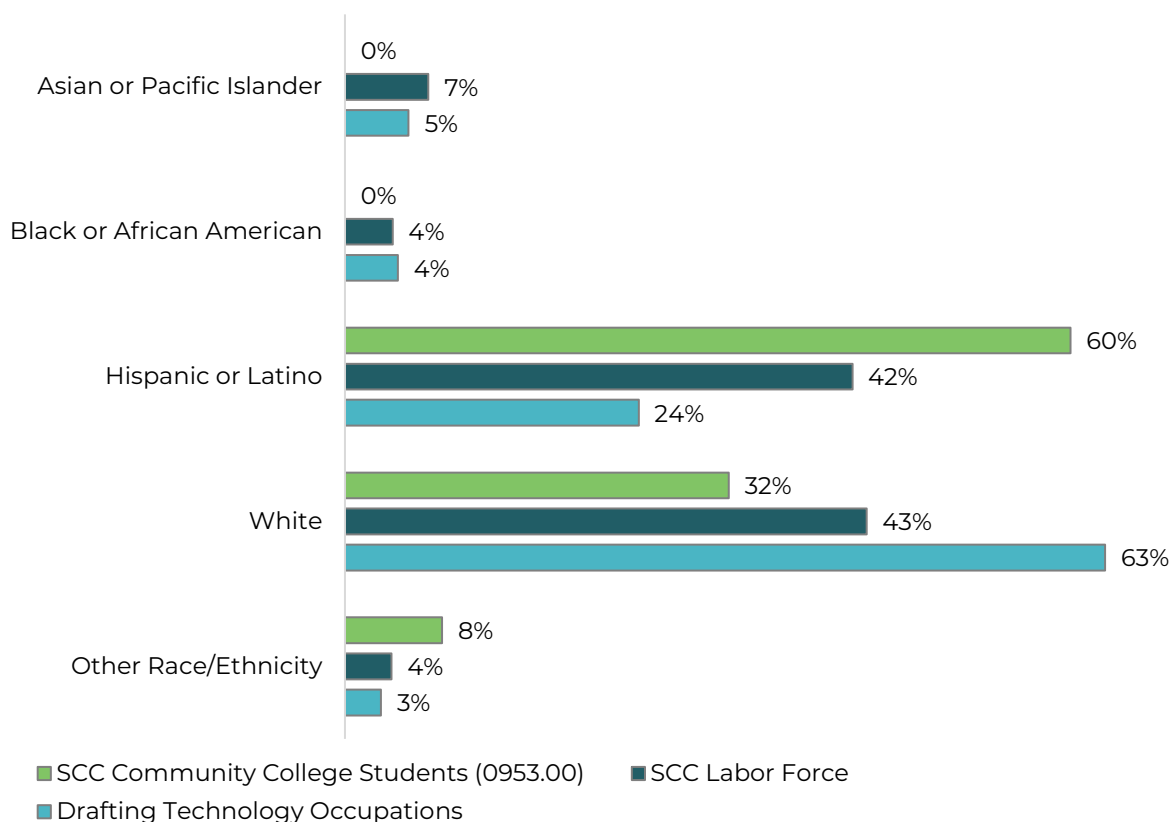
This section examines demographic data for SCC community college students in Drafting Technology (0953.00) programs compared to the SCC labor force, along with occupational data, to identify potential diversity and equity issues addressable by community college programs.

Ethnicity:

Exhibit 17 compares the ethnicity of SCC community college students enrolled in Drafting Technology (0953.00) programs, the overall SCC labor force, and occupation-specific data for the four drafting technology occupations included in this report.

Notably, 63% of workers employed in these drafting technology occupations are white, which is higher than the labor force (43%) and community college Drafting Technology (0953.00) students (32%). Conversely, 60% of community college Drafting Technology (0953.00) students are Hispanic or Latino, which is higher than both the labor force (42%) and workers employed in these drafting technology occupations (24%).

Exhibit 17: Program and County Demographics by Ethnicity

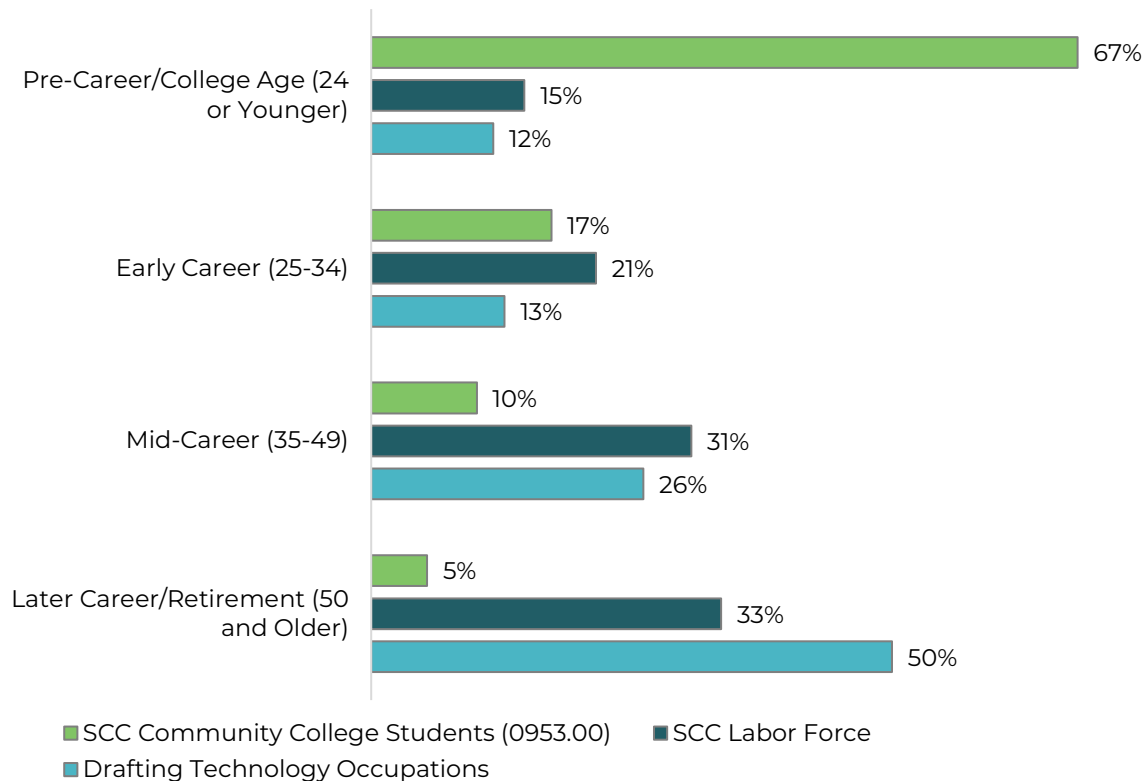


Age:

Exhibit 18 compares the age of SCC community college students enrolled in Drafting Technology (0953.00) programs, the overall SCC labor force, and occupation-specific data for the four drafting technology occupations included in this report.

The majority (50%) of workers in these drafting technology occupations are later career/retirement (50 and older), which is higher than the labor force (33%) and community college Drafting Technology (0953.00) students (5%). Conversely, 67% of Drafting Technology (0953.00) students are Pre-Career/College Age (24 or younger), which is higher than the labor force (15%) and workers in these drafting technology occupations (12%).

Exhibit 18: Program and County Demographics by Age

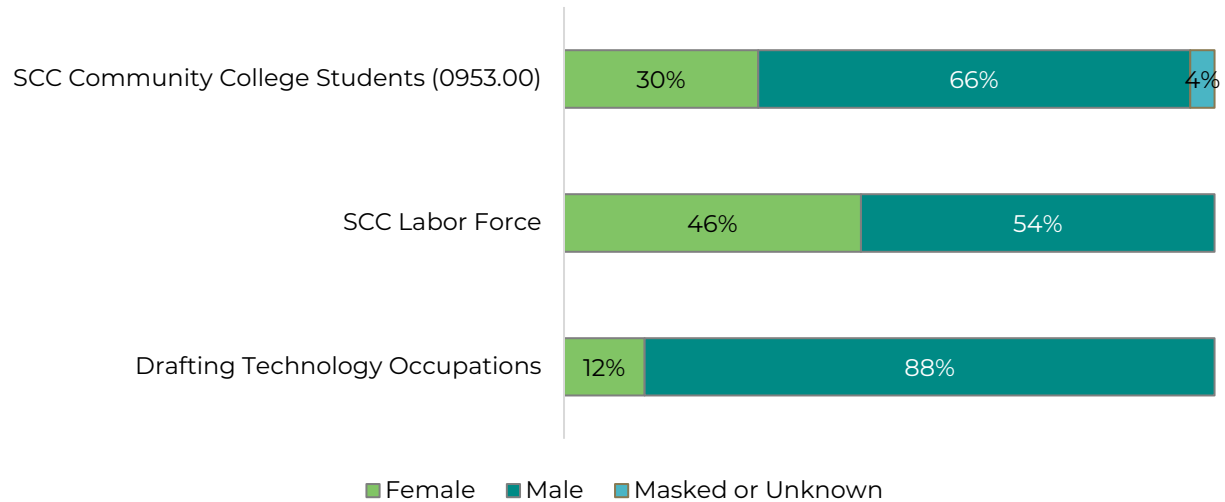


Sex:

Exhibit 19 compares the sex of SCC community college students enrolled in Drafting Technology (0953.00) programs, the overall SCC labor force, and occupation-specific data for these drafting technology occupations.

There is a majority of male students (66%) and workers in these drafting technology occupations (88%), which is slightly higher than the labor force (54% male).

Exhibit 19: Program and County Demographics by Sex



Appendix A: Methodology

Traditional Labor Market Data

The SCC COE prepared this report by analyzing data from occupations and education programs. Occupational data is derived from Lightcast, a labor market analytics firm that consolidates data from the California Employment Development Department (EDD), U.S. Bureau of Labor Statistics (BLS) and other government agencies.

Data included in this analysis represents the labor market demand for relevant positions most closely related to the proposed program as expressed by the requesting college in consultation with the SCC COE. Traditional labor market information was used to show current and projected employment based on data trends, as well as annual average awards granted by regional community colleges.

Program supply data is drawn from two systems: Taxonomy of Programs (TOP) and Classification of Instructional Programs (CIP).

Using a TOP-SOC crosswalk, the SCC COE identified middle-skill jobs for which programs within these TOP codes train. Middle-skill jobs include:

- 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; or
- 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.

The SCC COE determined labor market supply for an occupation or SOC code by analyzing the number of program completers or awards in a related TOP or CIP code. The COE developed a “supply table” with this information, which is the source of the program supply data for this report. TOP code data comes from the California Community Colleges Chancellor's Office MIS Data Mart (datamart.cccco.edu) and CIP code data comes from the Integrated Postsecondary Education Data System (nces.ed.gov/ipeds/use-the-data), also known as IPEDS.

TOP is a system of numerical codes used at the state level to collect and report information on California community college programs and courses throughout the state that have similar outcomes. CIP codes are a taxonomy of academic disciplines at institutions of higher education in the United States and Canada. Institutions outside of the California Community College system do not use TOP codes in their reporting systems.

Online Job Postings Data

Online job postings data, also known as real-time labor market information, captures job post advertisements for occupations relevant to the field of study which can signal demand and show what employers are looking for in potential employees but is not a perfect measure of the quantity of open positions. Online job postings data is sourced from Lightcast, a labor market analytics firm that scrapes, collects, and organizes data from online job boards such as LinkedIn, Indeed, Glassdoor, Monster, GovernmentJobs.com, and thousands more.

There are several limitations when analyzing job postings. A single job posting may not represent a single job opening, as employers may be creating a pool of candidates for future openings or hiring for multiple positions with a single posting. Additionally, not all jobs are posted online, and jobs may be filled through other methods such as internal promotion, word-of-mouth advertising, physical job boards, or a variety of other channels.

Additionally, Lightcast uses natural language processing (NLP) to determine the related company, industry, occupation, and other information for each job posting. However, NLP has limitations that include understanding contextual words of phrases; determining differences in words that can be used as nouns, verbs, and/or adjectives; and misspellings or grammatical errors.⁵ For these reasons, job postings could be assigned to the wrong employer, industry, or occupation within Lightcast's database.

Geography

The South Central Coast region encompasses San Luis Obispo, Santa Barbara, and Ventura counties, as well as parts of Northern Los Angeles County. Exhibit 19 shows the 34 ZIP codes used to define Northern Los Angeles County.

Exhibit 20: Northern Los Angeles ZIP Codes

ZIP Code	Primary City	ZIP Code	Primary City
91310	Castaic	93532	Lake Hughes
91321	Newhall	93534	Lancaster
91322	Newhall	93535	Lancaster
91350	Santa Clarita	93536	Lancaster
91351	Canyon Country	93539	Lancaster
91354	Valencia	93543	Littlerock
91355	Valencia	93544	Llano
91380	Santa Clarita	93550	Palmdale
91381	Stevenson Ranch	93551	Palmdale
91382	Santa Clarita	93552	Palmdale
91383	Santa Clarita	93553	Pearblossom
91384	Castaic	93563	Valyermo
91385	Valencia	93584	Lancaster
91386	Canyon Country	93586	Lancaster
91387	Canyon Country	93590	Palmdale
91390	Santa Clarita	93591	Palmdale
93510	Acton	93599	Palmdale

Though traditional labor market information is available at the ZIP code level, it does not always add up to data reported at the county level for multiple reasons:

- ZIP codes are not official geographically bounded areas, unlike states and counties.
- ZIP codes may cross county lines, such as ZIP code 93461, which is primarily in San Luis Obispo County, but also crosses into Kern County.

For these reasons, the number of jobs and average annual openings for each county may not add up to the total for the SCC Region. However, considering jobseekers may cross county lines for opportunities, the traditional labor market data is reflective of opportunities available to jobseekers in the SCC Region.

Additionally, job postings data is available only at the city or county level. To analyze job postings for the entire SCC region, the SCC COE developed a list of cities available in Lightcast for analysis. Additionally, demographic data is not available at the ZIP code level but is available at the Census Bureau's Public Use Microdata Area (PUMA) level. Demographic data was sourced via IPUMS and analyzed by the SCC COE.

⁵ K. R. Chowdhary, Fundamentals of Artificial Intelligence (Basingstoke: Springer Nature, 2020), <https://link.springer.com/book/10.1007/978-81-322-3972-7>.

Appendix B: Data Sources

Data Type	Source
Occupational Projections, Wages, and Job Postings	Traditional and real-time labor market information are captured using data from Lightcast , a labor market analytics firm.
Living Wage	Per the CCCCCO, this report's endorsement criteria uses the University of Washington's Center for Women's Welfare Self-Sufficiency Standard last updated in March 2024. The MIT Living Wage , updated on February 10, 2025, is a nationally recognized living wage metric and is provided for reference.
Typical Education and Training Requirements, and Educational Attainment	The Bureau of Labor Statistics (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.
Emerging Occupation Descriptions, Additional Education Requirements, and Employer Preferences	The O*NET database includes information on skills, abilities, knowledges, work activities, and interests associated with occupations.
Educational Supply	The CCCCCO Data Mart provides information about students, courses, student services, outcomes and faculty and staff. The National Center for Education Statistics (NCES) Integrated Postsecondary Integrated Data System (IPEDS) collects data on the number of postsecondary awards earned (completions).
Student Metrics and Demographics	Data Vista , a statewide data system supported by the California Community Colleges Chancellor's Office provides data on progress, success, employment, and earnings outcomes for California community college students.
Population and Occupation Demographics	The Census Bureau's American Community Survey (ACS) is the premier source for detailed population and housing information. Data is sourced from IPUMS USA , a database providing access to ACS and other Census Bureau data products.

All representations have been produced from primary research and/or secondary review of publicly and/or privately available data and/or research reports. The most recent data available at the time of the analysis was examined; 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 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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