

# Labor Market Analysis for Program Recommendation: 0103.00/Plant Science (Associate of Science)

CVML Center of Excellence, March 2026



FOR LABOR MARKET RESEARCH  
CENTRAL VALLEY/MOTHER LODE

## Summary

Program LMI Endorsement	Endorsed: All LMI Criteria Met <input type="checkbox"/>	Endorsed: Some LMI Criteria Met <input checked="" type="checkbox"/>	Not LMI Endorsed <input type="checkbox"/>
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### Program LMI Endorsement Criteria

	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Supply Gap:	<p><i>Comments:</i> There are projected to be <b>727 annual job openings</b> throughout the SCV/SML subregion for <i>life, physical, and social science</i> occupations-related middle-skill occupations, which <b>are more than the 262 awards conferred by educational institutions in the SCV/SML subregion.</b></p> <p><b>Note:</b> Only middle-skill jobs are considered when determining supply gap. Including the above middle-skill job increases the overall annual job openings by 23 to a total of 750.</p>	

	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Living Wage: (Entry-Level, 25th):	<p><i>Comments:</i> All three <i>life, physical, and social science</i> occupations-related middle-skill occupations included in this report have an entry-level hourly wage <b>above the SCV/SML living wage of \$16.08.</b></p> <p><b>Note:</b> Only middle-skill jobs are considered when determining living wage.</p>	

	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Education:	<p><i>Comments:</i> The typical entry-level education for <i>Animal Trainers</i> and <i>First-Line Supervisors of Farming, Fishing, and Forestry Workers</i> is a high school diploma or equivalent, and the typical entry-level education for <i>Agricultural Technicians</i> is an associate degree. Additionally, <b>between 24% and 41% have completed some college or an associate degree as their highest level of education.</b></p> <p><b>Note:</b> Only middle-skill jobs are considered when determining education.</p>	

### Emerging Occupations(s)

Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Comments: N/A	

The Central Valley/Mother Lode Center of Excellence for Labor Market Research (CVML COE) prepared this report to determine whether there is a supply gap in the South Central Valley/Southern Mother Lode regional labor market related to the following occupations:

- Middle-Skill
  - Agricultural Technicians (19-4012)
  - Animal Trainers (39-2011)
  - First-Line Supervisors of Farming, Fishing, and Forestry Workers (45-1011)
- Above Middle-Skill - denoted with a caret (^) throughout this report

- Soil and Plant Scientists (19-1013)∧

Middle-skill occupations typically require a community college education while above middle-skill occupations typically require at least a bachelor's degree.

Based on the available data, there appears to be a supply gap for *life, physical, and social science occupations*-related middle-skill occupations. In addition to the middle-skill occupations in this report having entry-level wages above the subregion's living wage, only between 24% and 41% of middle-skill workers in this field have completed some college or an associate degree as their highest level of education. **Therefore, due to most 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 *life, physical, and social science occupations*-related occupations.

**Exhibit 1: Labor Market Endorsement Summary**

Occupation (SOC)	Demand (Annual Openings)	Supply (CC and Non-CC)	Entry-Level Hourly Earnings (25th Percentile)	Typical Entry-Level Education	Community College Educational Attainment
Agricultural Technicians (19-4012)	NCV/NML: 41 SCV/SML: 72	NCV/NML: 78 SCV/SML: 262	NCV/NML: \$19.49 SCV/SML: \$18.92	Associate degree	41%
Animal Trainers (39-2011)	NCV/NML: 39 SCV/SML: 81		NCV/NML: \$16.04 SCV/SML: \$16.66	High school diploma or equivalent	34%
First-Line Supervisors of Farming, Fishing, and Forestry Workers (45-1011)	NCV/NML: 175 SCV/SML: 574		NCV/NML: \$19.20 SCV/SML: \$18.63	High school diploma or equivalent	24%
<b>Middle-Skill Total</b>	<b>983</b>	<b>340</b>	-	-	-
Soil and Plant Scientists (19-1013)∧	NCV/NML: 11 SCV/SML: 23	NCV/NML: 78 SCV/SML: 262	NCV/NML: \$30.41 SCV/SML: \$23.39	Bachelor's degree	0%
<b>Above Middle-Skill Total</b>	<b>34</b>	<b>340</b>	-	-	-
<b>Total</b>	<b>1,017</b>		-	-	-

## Demand:

- The number of jobs related to the three *life, physical, and social science occupations*-related middle-skill occupations in this report are projected to decrease 2% through 2029. There will be 727 annual job openings in the SCV/SML subregion.
- All three *life, physical, and social science occupations*-related middle-skill occupations have an entry-level hourly wage above the living wage of \$16.08 in the SCV/SML subregion.
- There were 244 online job postings for *life, physical, and social science occupations*-related middle-skill occupations over the past 12 months.
- The Bureau of Labor Statistics (BLS) lists a high school diploma or equivalent as the typical entry-level education for *Animal Trainers* and *First-Line Supervisors of Farming, Fishing, and Forestry Workers*, and lists an associate degree as the typical entry-level education for *Agricultural Technicians*.
- National-level educational attainment data indicates that between 24% and 41% of middle-skill workers in the field have completed some college or an associate degree as their highest level of education.

## Supply:

- Between 2022 and 2025, there was an average of 262 awards conferred by community colleges in the SCV/SML subregion.
- Between 2021 and 2024, there were no non-community college institutions in the SCV/SML subregion that conferred awards in relevant programs.

# Demand

## Occupational Projections

Exhibit 2a shows the annual percent change in middle-skill jobs for the three *life, physical, and social science occupation-related occupations* from 2019 through 2029. The SCV/SML subregion experienced the highest growth in 2021 at 12%, compared to the 2% growth across all CA occupations. The SCV/SML subregion experienced the second highest growth in 2024 at 4%, compared to the 1% growth across all CA occupations. From 2026 to 2029, growth is projected to remain steady at 0%.

**Exhibit 2a (Middle-Skill) Annual Percent Change in Jobs for Life, Physical, and Social Science Occupation-Related Occupations, 2019-2029**

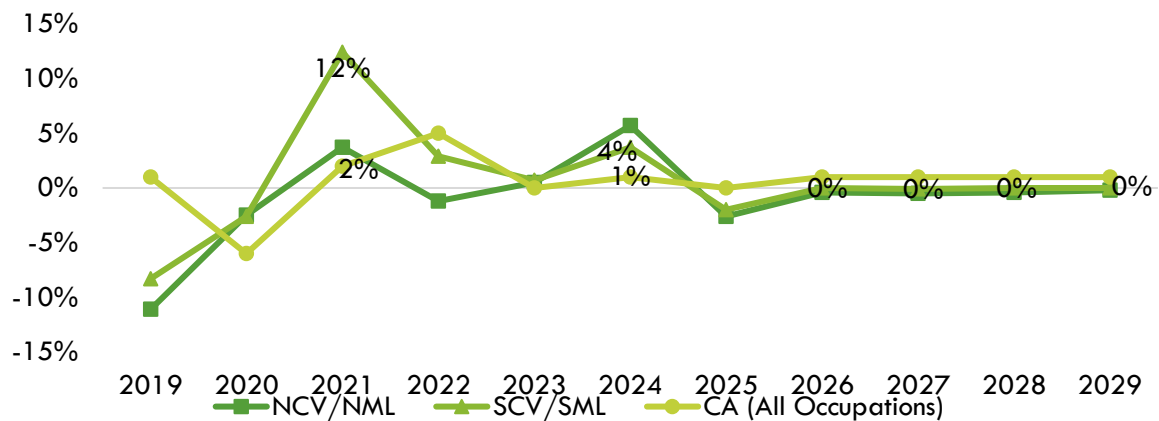


Exhibit 2b shows the annual percent change for *Soil and Plant Scientists* from 2019 through 2029. The SCV/SML subregion experienced the highest growth in 2021 at 35%, compared to the 2% growth across all CA occupations. The SCV/SML subregion experienced the second highest growth in 2024 at 21%, compared to the 1% growth across all CA occupations. From 2026 to 2029, growth is projected to remain steady at 0%.

**Exhibit 2b (Above Middle-Skill) Annual Percent Change in Jobs for Soil and Plant Scientists, 2019-2029**

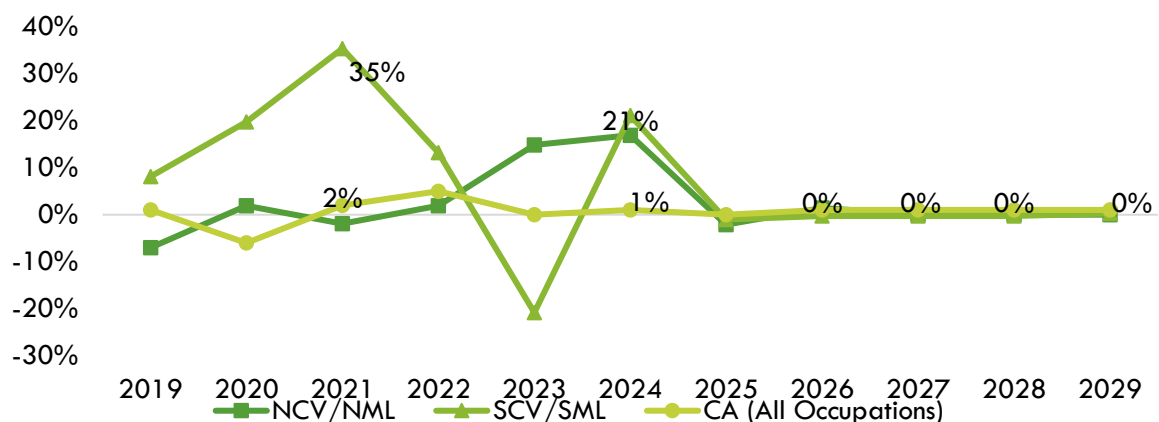


Exhibit 3a shows the five-year occupational demand projections for the three *life, physical, and social science occupations*-related middle-skill occupations. In the SCV/SML subregion, the number of jobs related to these occupations are projected to decrease by 2% through 2029. There are projected to be 727 jobs available annually in the SCV/SML subregion.

### Exhibit 3a (Middle-Skill): Occupational Demand in NCV/NML, SCV/SML, and CVML<sup>1</sup>

Geography	2024 Jobs	2029 Jobs	2024-2029 Change	2024-2029 % Change	Annual Openings
NCV/NML	1,960	1,880	(80)	(4%)	255
SCV/SML	5,604	5,485	(119)	(2%)	727
<b>CVML</b>	<b>7,564</b>	<b>7,365</b>	<b>(199)</b>	<b>(3%)</b>	<b>982</b>

Exhibit 3b shows the five-year occupational demand projections for the one *life, physical, and social science occupations*-related above middle-skill occupation. In the SCV/SML subregion, the number of jobs related to this occupation is projected to decrease by 2% through 2029. There are projected to be 23 jobs available annually in the SCV/SML subregion.

### Exhibit 3b (Above Middle-Skill): Occupational Demand in NCV/NML, SCV/SML, and CVML

Geography	2024 Jobs	2029 Jobs	2024-2029 Change	2024-2029 % Change	Annual Openings
NCV/NML	145	144	(1)	(1%)	11
SCV/SML	304	299	(5)	(2%)	23
<b>CVML</b>	<b>449</b>	<b>443</b>	<b>(6)</b>	<b>(1%)</b>	<b>34</b>

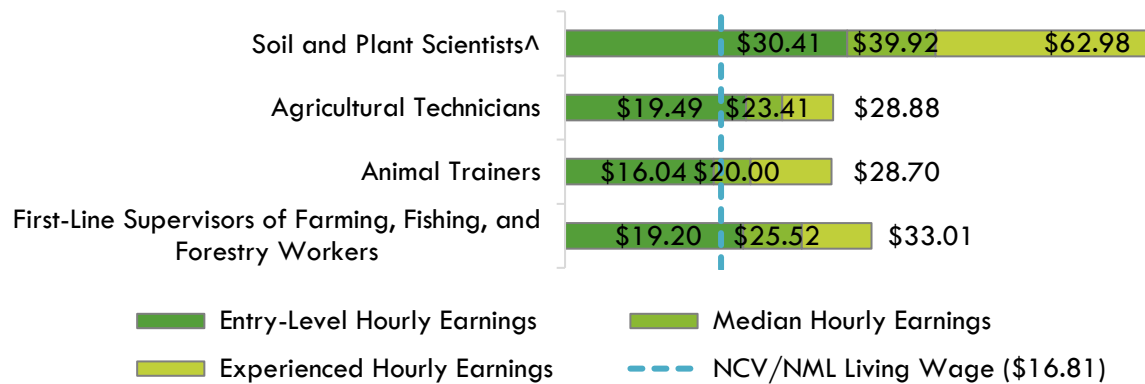
<sup>1</sup>Five-year change represents new job additions to the workforce. Annual openings include new jobs and replacement jobs that result from retirements and separations.

## Wages:

The labor market endorsement in this report considers the entry-level hourly wages for the four *life, physical, and social science occupations*-related occupations as they relate to the subregions and region's living wage. NCV/NML, SCV/SML, and CVML wages are included below to provide a complete analysis of the region.

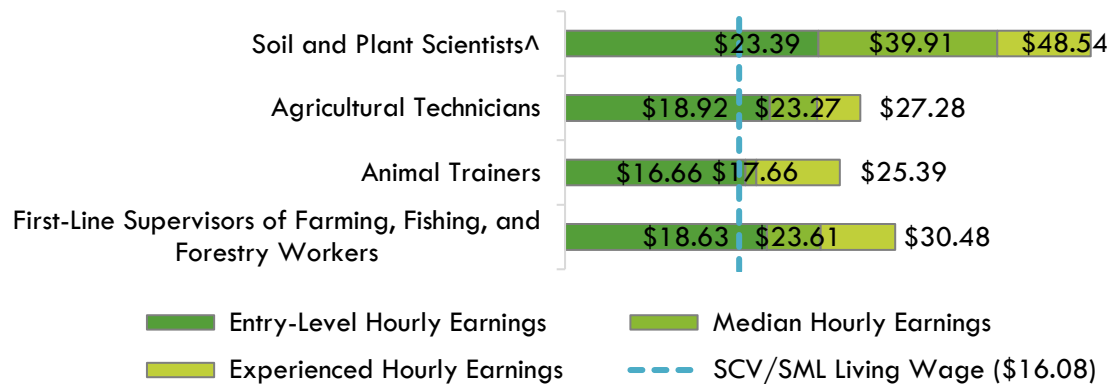
Three of the four *life, physical, and social science occupations*-related occupations have an entry-level hourly wage above the living wage for one adult in the NCV/NML subregion (\$16.81). The NCV/NML subregion average wage for these occupations is \$28.56, which is below the average statewide wage of \$28.71. Exhibit 4a shows the wage range for *life, physical, and social science occupations*-related occupations and how they compare to the NCV/NML subregion's living wage.

**Exhibit 4a: Wages by Occupation in NCV/NML**



All four *life, physical, and social science occupations*-related occupations have an entry-level hourly wage above the living wage for one adult in the SCV/SML subregion (\$16.08). The SCV/SML subregion average wage for these occupations is \$26.47, which is below the average statewide wage of \$28.71. Exhibit 4b shows the wage range for *life, physical, and social science occupations*-related occupations and how they compare to the SCV/SML subregion's living wage.

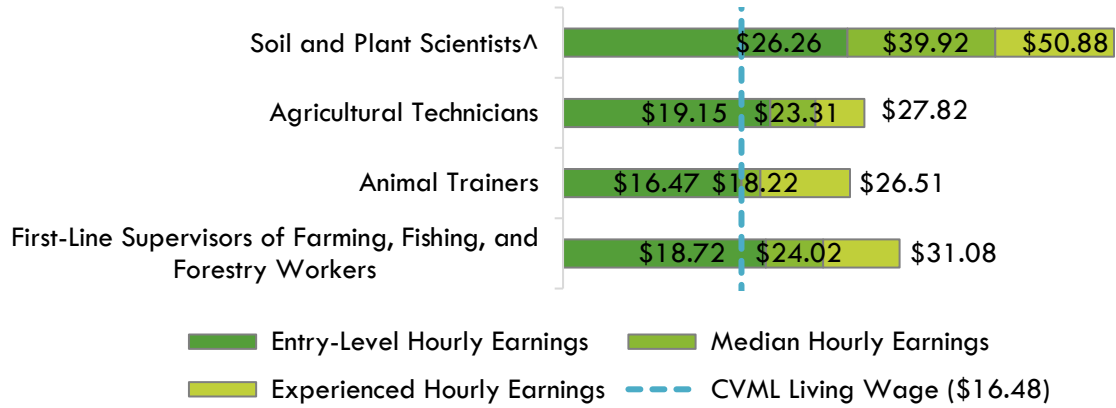
**Exhibit 4b: Wages by Occupation in SCV/SML**



Three of the four *life, physical, and social science occupations*-related occupations have an entry-level hourly wage above the living wage for one adult in the CVML region (\$16.48). The CVML region average wage for these occupations is \$27.02, which is below the average statewide wage of \$28.71. Exhibit 5 shows the

wage range for *life, physical, and social science occupations*-related occupations and how they compare to the CVML region's living wage.

### Exhibit 5: Wages by Occupation in CVML



## Job Postings:

**Important Online Job Postings Data Note:** 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. 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.<sup>2</sup> For these reasons, job postings could be assigned to the wrong employer, industry, or occupation within Lightcast's database.

Additionally, 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.

There were 244 online job postings related to *life, physical, and social science occupation-related* occupations listed in the past 12 months (Exhibit 6a).

### Exhibit 6a (Middle-Skill): Number of Job Postings (n=244)

Occupations	Job Postings	Percentage of Job Postings
Agricultural Technicians	204	84%
Animal Trainers	40	16%

There were 51 online job postings related to *Soil and Plant Scientists* listed in the past 12 months (Exhibit 6b).

### Exhibit 6b (Above Middle-Skill) : Number of Job Postings (n=51)

Occupations	Job Postings	Percentage of Job Postings
Soil and Plant Scientists	51	100%

The top employers in the region for *life, physical, and social science occupation-related* occupations, by number of job postings, are shown in Exhibit 7a.

### Exhibit 7a (Middle-Skill): Top Employers by Number of Job Postings (n=244)

Employer	Job Postings	Percentage of Job Postings
GPAC	51	21%
University of California	16	7%
State of California	15	6%

<sup>2</sup>K. R. Chowdhary, *Fundamentals of Artificial Intelligence* (Basingstoke: Springer Nature, 2020), <https://link.springer.com/book/10.1007/978-81-322-3972-7>

Employer	Job Postings	Percentage of Job Postings
PetSmart	14	6%
Wilbur-Ellis	8	3%
PetCo	7	3%
AgCall	7	3%
Fresno Unified School District	6	2%
J.R. Simplot Company	4	2%
Deerpoint Group	4	2%

The top employers in the region for *Soil and Plant Scientists*, by number of job postings, are shown in Exhibit 7b.

### Exhibit 7b (Above Middle-Skill): Top Employers by Number of Job Postings (n=51)

Employer	Job Postings	Percentage of Job Postings
GPAC	8	16%
The Wonderful Company	6	12%
Actalent	5	10%
Stantec	4	8%
Buttonwillow Warehouse Company	3	6%
California State University-Fresno	2	4%
lLocatum	2	4%
Carbon Friendly	1	2%
California State University-Chancellors Office	1	2%
Ofi	1	2%

The top specialized, common, and software skills for *life, physical, and social science occupation*-related occupations are listed by those most frequently mentioned in job postings (denoted in parentheses) are shown in Exhibit 8a.

### Exhibit 8a (Middle-Skill): Top Skills by Number of Job Postings (n=244)

Top Specialized Skills	Top Soft Skills	Top Computer Skills
Agriculture (98)	Customer Service (92)	Microsoft Excel (17)
Agronomy (77)	Sales (76)	Microsoft Outlook (17)
Fertilizers (37)	Communication (70)	Microsoft Office (14)

Top Specialized Skills	Top Soft Skills	Top Computer Skills
Irrigation (Landscaping and Agriculture) (29)	Operations (65)	Microsoft Access (10)
Marketing (27)	Organizational Skills (35)	Inventory Control Systems (9)
Soil Science (26)	Management (35)	Microsoft Word (8)
Pest Control (25)	Troubleshooting (Problem Solving) (34)	Geographic Information Systems (5)
Food Services (22)	Detail Oriented (31)	TikTok (4)
Farm Equipment (21)	Verbal Communication Skills (30)	Customer Relationship Management (CRM) Software (2)
Merchandising (21)	Professionalism (29)	Slack (Software) (2)

The top specialized, common, and software skills for *Soil and Plant Scientists* are listed by those most frequently mentioned in job postings (denoted in parentheses) are shown in Exhibit 8b.

### Exhibit 8b (Above Middle-Skill): Top Skills by Number of Job Postings (n=51)

Top Specialized Skills	Top Soft Skills	Top Computer Skills
Agronomy (35)	Communication (26)	Microsoft Office (18)
Irrigation (Landscaping and Agriculture) (20)	Research (20)	Microsoft Excel (4)
Plant Science (17)	Management (20)	Microsoft Teams (3)
Soil Science (17)	Microsoft Office (18)	Microsoft Word (3)
Biology (14)	Customer Service (13)	Microsoft Project (3)
Crop Production (12)	Leadership (13)	Proprietary Software (3)
Agriculture (11)	Planning (12)	ArcGIS (GIS Software) (2)
Data Analysis (9)	Organizational Skills (11)	R (Programming Language) (1)
Regulatory Compliance (9)	Sales (10)	Operational Databases (1)
Entomology (9)	Multilingualism (8)	Productivity Software (1)

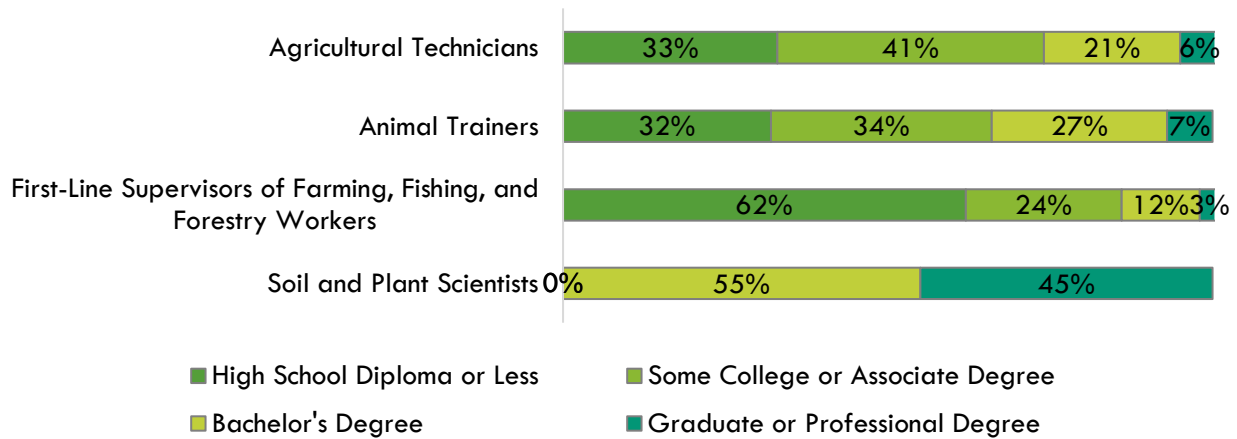
## Educational Attainment:

The Bureau of Labor Statistics (BLS) lists a high school diploma or equivalent as the typical entry-level education for *Animal Trainers* and *First-Line Supervisors of Farming, Fishing, and Forestry Workers* and lists an associate degree as the typical entry-level education for *Agricultural Technicians*. National-level educational attainment data indicates that between 24% and 41% of workers in the field have completed some college or an associate degree as their highest level of education. Exhibit 9 shows the educational attainment for the four *life, physical, and social science occupations*-related occupations.

Of the 244 online job postings for middle-skill occupations, 43% (equivalent to 104 postings) of cumulative job postings for the three *life, physical, and social science occupations* listed a minimum education requirement in the SCV/SML subregion. Of the 104 postings, 49% (51) requested a bachelor's degree.

Of the 51 online job postings for above middle-skill occupations, 82% (equivalent to 42 postings) of cumulative job postings for the one *life, physical, and social science occupations* listed a minimum education requirement in the SCV/SML subregion. Of the 42 postings, 69% (29) requested a bachelor's degree.

**Exhibit 9: National-level Educational Attainment for Life, Physical, and Social Science Occupations-Related Occupations**



# Educational Supply

## Community College Supply:

Exhibits 10a and 10b show the annual and three-year average number of awards conferred by community colleges in the programs that have historically trained for the occupations included in this report. The colleges with the most completions are Reedley College (South) and Sequoias (South).

**Exhibit 10a: NCV/NML Community College Awards (Certificates and Degrees)  
2022-23 through 2024-25**

TOP Code	Program	College	2022-2023 Awards	2023-2024 Awards	2024-2025 Awards	3-Year Award Average
0102.00	Animal Science	Merced	12	30	21	21
		Modesto	17	19	21	19
<b>Subtotal/Average</b>			<b>29</b>	<b>49</b>	<b>42</b>	<b>40</b>
0103.00	Plant Science	Merced	16	20	27	21
		Modesto	16	9	18	14
		San Joaquin Delta	1	4	2	2
<b>Subtotal/Average</b>			<b>33</b>	<b>33</b>	<b>47</b>	<b>38</b>
<b>NCV/NML Supply Grand Total</b>			<b>62</b>	<b>82</b>	<b>89</b>	<b>78</b>

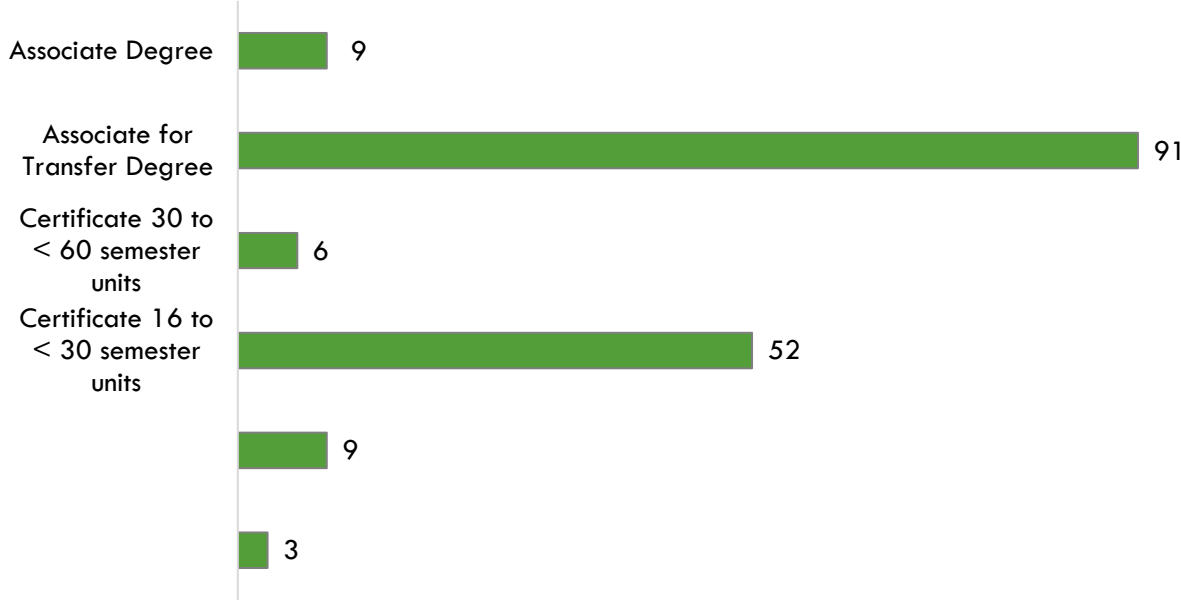
**Exhibit 10b: SCV/SML Community College Awards (Certificates and Degrees)  
2022-23 through 2024-25**

TOP Code	Program	College	2022-2023 Awards	2023-2024 Awards	2024-2025 Awards	3-Year Award Average
0102.00	Animal Science	Bakersfield	25	25	24	25
		Reedley	17	21	33	24
		Sequoias	40	33	54	42
<b>Subtotal/Average</b>			<b>82</b>	<b>79</b>	<b>111</b>	<b>91</b>
0103.00		Bakersfield	13	11	13	12

TOP Code	Program	College	2022-2023 Awards	2023-2024 Awards	2024-2025 Awards	3-Year Award Average
	Plant Science	Clovis	-	-	3	1
		Coalinga	-	40	40	27
		Madera	4	4	6	5
		Reedley	100	126	108	111
		Sequoias	17	13	15	15
<b>Subtotal/Average</b>			<b>134</b>	<b>194</b>	<b>185</b>	<b>171</b>
<b>SCV/SML Supply Grand Total</b>			<b>216</b>	<b>273</b>	<b>296</b>	<b>262</b>

Exhibit 11 shows the annual average community college awards by type from 2022-23 through 2024-25. Of the 261 awards conferred in the SCV/SML subregion, 64% (166) of these awards were for an associate degree.

**Exhibit 11: Annual Average Community College Awards (SCV/SML) by Type, 2022-2025**



## Community College Student Outcomes:

Exhibit 12 shows the Strong Workforce Program (SWP) metrics for Plant Science programs in Kern Community College District (KCCD), the SCV/SML subregion, the CVML region, and California.

Of the 6,784 plant science program students statewide in the 2023-2024 academic year, 58% (3,918) attended a CVML institution. KCCD students that exited plant science programs in the 2022-2023 academic year had less median annual earnings (\$34,664) compared to all plant science students in SCV/SML subregion (\$35,796). Notably, 48% of CVML region plant science students attained a living wage, which is greater than the percentage of students who attained a living wage statewide (43%).

**Exhibit 12: Plant Science (0103.00) Strong Workforce Program Metrics**

SWP Metric	KCCD	SCV/SML Subregion	CVML Region	California
SWP Students	1,933	2,547	3,918	6,784
SWP Students Who Earned 9 or More Career Education Units in the District in a Single Year	38%	39%	39%	36%
SWP Students Who Completed a Noncredit CTE or Workforce Preparation Course	92%	92%	90%	85%
SWP Students Who Earned a Degree or Certificate or Attained Apprenticeship Journey Status	1%	6%	4%	4%
SWP Students Who Transferred to a Four-Year Postsecondary Institution	12%	13%	13%	11%
SWP Students with a Job Closely Related to Their Field of Study	60%	62%	59%	64%
Median Annual Earnings for SWP Exiting Students	\$34,664 (\$16.67)	\$35,796 (\$17.21)	\$35,812 (\$17.22)	\$35,272 (\$16.96)
Median Change in Earnings for SWP Exiting Students	37%	40%	39%	37%
SWP Exiting Students Who Attained the Living Wage	54%	49%	48%	43%



2023-2024



2022-2023



2021-2022



N/A

## Non-Community College Supply:

For a comprehensive regional supply analysis, it is also important to consider the supply from other institutions in the region that provide training programs for the occupations studied in this report. Exhibits 13a and 13b show the annual and three-year average number of awards conferred by non-community college institutions in programs that have historically trained for the occupations of interest.

Between 2021 and 2024, there were no non-community college institutions in the SCV/SML subregion that conferred awards annually in related training programs.

## Appendix A: Methodology

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

Using a TOP-SOC crosswalk, the CVML 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 CVML 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](http://datamart.cccco.edu)) and CIP code data comes from the Integrated Postsecondary Education Data System ([nces.ed.gov/ipeds/use-the-data](http://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.

Data included in this analysis represent the labor market demand for relevant positions most closely related to the proposed program as expressed by the requesting college in consultation with the CVML 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. 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.

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.

## Appendix B: Data Sources

Data Type	Source
Occupational Projections, Wages, and Job Postings	<p>Traditional labor market information data is sourced from Lightcast, a labor market analytics firm. Lightcast occupational employment data are based on final Lightcast industry data and final Lightcast staffing patterns. Wage estimates are based on Occupational Employment Statistics and the American Community Survey. For more information, see <a href="https://lightcast.io/">https://lightcast.io/</a></p>
Living Wage	<p>The living wage is derived from the Insight Center's California Family Needs Calculator, which measures the income necessary for an individual of family to afford basic expenses. The data assesses the cost of housing, food, childcare, health care, transportation, and taxes. For more information, see: <a href="https://selfsufficiencystandard.org/California/">https://selfsufficiencystandard.org/California/</a></p> <p>Wage figures are used by the CCCCCO to calculate the percentage of students that attained the regional living wage.</p>
Typical Education and Training Requirements, and Educational Attainment	<p>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, see <a href="https://www.bls.gov/emp/documentation/education/tech.htm">https://www.bls.gov/emp/documentation/education/tech.htm</a></p>
Emerging Occupation Descriptions, Additional Education Requirements, and Employer Preferences	<p>The O*NET database includes information on skills, abilities, knowledges, work activities, and interests associated with occupations. For more information, see <a href="https://www.onetonline.org/help/online/">https://www.onetonline.org/help/online/</a></p>
Educational Supply	<p>The CCCCCO Data Mart provides information about students, courses, student services, outcomes and faculty and staff. For more information, see: <a href="https://datamart.cccco.edu">https://datamart.cccco.edu</a></p> <p>The National Center for Education Statistics (NCES) Integrated Postsecondary Integrated Data System (IPEDS) collects data on the number of postsecondary awards earned (completions). For more information, see <a href="https://nces.ed.gov/ipeds/use-the-data/survey-components/7/completions">https://nces.ed.gov/ipeds/use-the-data/survey-components/7/completions</a></p>
Student Metrics and Demographics	<p>DataVista, a statewide data system supported by the California Community Colleges 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, see: <a href="https://datavista.cccco.edu/">https://datavista.cccco.edu/</a></p>
Population and Occupation Demographics	<p>The Census Bureau's American Community Survey (ACS) is the premier source for detailed population and housing information. For more information, see: <a href="https://www.census.gov/programs-surveys/acs">https://www.census.gov/programs-surveys/acs</a></p> <p>Data is sourced from IPUMS USA, a database providing access to ACS and other Census Bureau data products. For more information, see: <a href="https://usa.ipums.org/usa/about.shtml">https://usa.ipums.org/usa/about.shtml</a></p>

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