

November 2023

Labor Market Analysis

Industrial Electronics



Prepared by Central Valley/Mother Lode Center of Excellence



POWERED BY



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Summary

The Central Valley/Mother Lode Center of Excellence developed this report for Modesto Junior College to determine whether there is demand in the local labor market that is not being met by the supply from postsecondary programs. This report summarizes labor market demand, wages, skills, and postsecondary supply for *Industrial Electronics*, which includes:

- Helpers—Electricians (SOC 47-3013)
- First-Line Supervisors of Mechanics, Installers, and Repairers (SOC 49-1011)
- Electrical and Electronics Repairers, Commercial and Industrial Equipment (SOC 49-2094)
- Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers (SOC 51-1011)

Key Findings

- **Occupational Demand** — Occupations related to *Industrial Electronics* have a labor market demand of 373 annual job openings in the North Central Valley/Northern Mother Lode (NCV/NML) subregion. Between 2022 and 2027, first-line supervisors of mechanics, installers, and repairers are projected to have the most demand with 258 annual job openings and jobs with a growth projection of 9%.
- **Wages** — Average entry-level earnings of \$22.58/hour for *Industrial Electronics* occupations are higher than the living wage in the NCV/NML subregion, which is \$12.65/hour for a single adult.¹ First-line supervisors of mechanics, installers, and repairers earn the highest entry-level wage, \$29.94/hour.
- **Employers and Occupational Titles** — Employers in the NCV/NML subregion include Penske Automotive Group, SunOpta, and Foster Farms. The most common job title is maintenance supervisors.
- **Skills and Certifications** — The top baseline skill is management, the top specialized skill is preventive maintenance, and the top software skill is Microsoft software. The most in-demand certification is a commercial driver's license.
- **Education** — A high school diploma or equivalent is typically required for three of the occupation. A postsecondary nondegree award is typically required for electrical and electronics repairers, commercial and industrial equipment.
- **Supply and Demand Analysis** — An analysis of supply and demand reveals that there are 373 annual openings (i.e., demand) and 20 average annual postsecondary degrees awarded (i.e., supply) in the NCV/NML subregion. This suggests an undersupply of 353 workers. In the CVML region, there are 938 annual openings and seven awards were conferred suggesting an undersupply of 805 workers.

Recommendation

Based on a comparison of demand and supply, there is an undersupply of trained workers in the NCV/NML subregion and the CVML region. The Center of Excellence recommends that Modesto Junior

¹ The term "living wage" in Center of Excellence reports is calculated by averaging the self-sufficiency wages from the Insight Center's California Family Needs Calculator for each county in the subregion: <https://insightcced.org/tools-metrics/self-sufficiency-standard-tool-for-california/>.

College work with the regional directors, the college's advisory board, and local industry in the development of programs to address the shortage of Industrial Electronics workers.

Introduction

The Central Valley/Mother Lode Center of Excellence developed this report to provide Modesto Junior College with labor market information for *Industrial Electronics*. The geographical focus for this report is the North Central Valley/Northern Mother Lode (NCV/NML) subregion, but regional demand and supply data has been included for broader applicability and use. Analysis of the program and occupational data related to *Industrial Electronics* is included in the report. The Standard Occupational Classification (SOC) System codes and occupational titles used in this report from the Bureau of Labor Statistics and O*NET OnLine are shown below. There is no O*Net Online data available for Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers (SOC 51-2028).

Helpers--Electricians (SOC 47-3013)

- **Job Description:** Help electricians by performing duties requiring less skill. Duties include using, supplying, or holding materials or tools, and cleaning work area and equipment.
- **Knowledge:** Building and Construction, Mechanical, Public Safety and Security, Customer and Personal Service, Design
- **Skills:** Active Listening, Critical Thinking, Speaking, Coordination, Judgement and Decision Making

First-Line Supervisors of Mechanics, Installers, and Repairers (SOC 49-1011)

- **Job Description:** Directly supervise and coordinate the activities of mechanics, installers, and repairers. May also advise customers on recommended services. Excludes team or work leaders.
- **Knowledge:** Administration and Management, Mechanical, Customer and Personal Service, Administrative, English Language
- **Skills:** Monitoring, Management of Personnel Resources, Coordination, Critical Thinking, Judgment and Decision Making

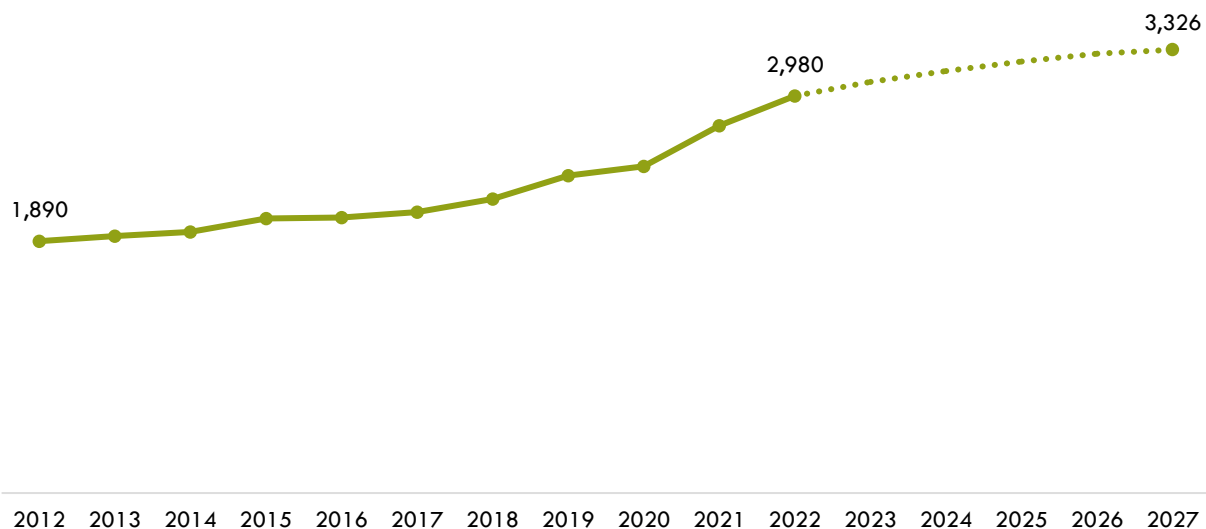
Electrical and Electronics Repairers, Commercial and Industrial Equipment (SOC 49-2094)

- **Job Description:** Repair, test, adjust, or install electronic equipment, such as industrial controls, transmitters, and antennas.
- **Knowledge:** Computers and Electronics, Mechanical, Production and Processing, Customer and Personal Service, Mathematics
- **Skills:** Operations Monitoring, Repairing, Critical Thinking, Equipment Maintenance, Quality Control Analysis

Employment

Exhibit 1a shows trends for *Industrial Electronics* in the NCV/NML subregion. Between 2022 to 2027, the number of jobs for occupations related to *Industrial Electronics* is projected to increase by 373, growing by 12%.

Exhibit 1a. Historical employment and projected occupational demand for occupations related to *Industrial Electronics* in the NCV/NML subregion, 2012-2027



Occupations related to *Industrial Electronics* in the NCV/NML subregion employed 2,980 workers in 2022 (Exhibit 1b). First-line supervisors of mechanics, installers, and repairers are projected to have 258 annual openings.

Exhibit 1b. Current employment and projected occupational demand for occupations related to *Industrial Electronics* in the NCV/NML subregion, 2022-2027

Occupation	2022 Jobs	2027 Jobs	5-Year Change	5-Year % Change	Annual Openings
First-Line Supervisors of Mechanics, Installers, and Repairers	2,219	2,428	209	9%	258
Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	265	348	83	31%	52
Electrical and Electronics Repairers, Commercial and Industrial Equipment	388	414	26	7%	43
Helpers--Electricians	107	136	28	27%	20
TOTAL	2,980	3,326	346	12%	373

Wages

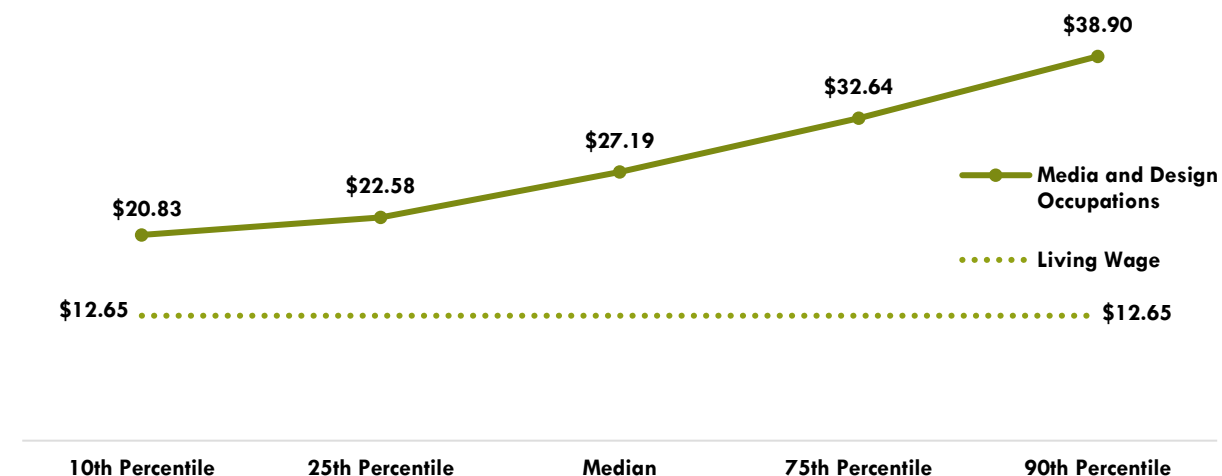
The average living wage for a single adult in the NCV/NML subregion is \$12.65/hour.² Exhibit 2a shows the highest entry-level hourly wages for first-line supervisors of mechanics, installers, and repairers, an *Industrial Electronics Occupation*, which has an entry-level wage of \$29.94/hour.³

Exhibit 2a. Hourly wages for occupations related to *Industrial Electronics* in the NCV/NML subregion

Occupation	25 th Percentile Hourly Earnings	Median Hourly Earnings	75 th Percentile Hourly Earnings
First-Line Supervisors of Mechanics, Installers, and Repairers	\$29.94	\$38.49	\$48.13
Electrical and Electronics Repairers, Commercial and Industrial Equipment	\$28.51	\$33.04	\$38.29
Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	\$16.37	\$18.81	\$22.74
Helpers--Electricians	\$15.51	\$18.43	\$21.39

Exhibit 2b shows the average hourly wages for *Industrial Electronics* occupations; the average entry-level wage is more than the living wage for the NCV/NML subregion.

Exhibit 2b. Average hourly wages for occupations related to *Industrial Electronics* in the NCV/NML subregion



² The term "living wage" in Center of Excellence reports is calculated by averaging the self-sufficiency wages from the Insight Center's California Family Needs Calculator for each county in the subregion: <https://insightccd.org/tools-metrics/self-sufficiency-standard-tool-for-california/>.

³ Note: 10th and 25th percentiles are considered entry-level wages while 75th and 90th are considered experienced wages, which may be obtained through long-term employment or extra training, etc.

Job Postings

There were 335 unique job postings for occupations related to *Industrial Electronics* in the NCV/NML subregion from April 2023 to September 2023.⁴

Top Employers

The top employers with the most job postings are listed in Exhibit 3. The top employers in online job postings were Penske Automotive Group, SunOpta, and Foster Farms.

Exhibit 3. Top employers of *Industrial Electronics* in job postings

Employer
Penske Automotive Group
SunOpta
Foster Farms
Texas Roadhouse
The Michaels Organization
Constellation Brands
Randstad
Leprino Foods Company
E&J Gallo Winery
Clean Harbors

Top Job Titles

Exhibit 4 shows the most common job titles for *Industrial Electronics* in the NCV/NML subregion.

Exhibit 4. Top job titles in job postings for *Industrial Electronics*

Job Title
Maintenance Supervisors
Maintenance Managers
Bottling Supervisors

⁴ Other than occupational titles and job titles, the categories below can be counted one or multiple times per job posting, and across several areas in a single posting. For example, a skill can be counted in two different skill types, and an employer can indicate more than one education level.

Salaries

Exhibit 5 shows the “Market Salaries” for *Industrial Electronics*. These are calculated by Lightcast using a machine learning model built from millions of job postings every year. This accounts for adjustments based on location, industry, skills, experience, education, among other variables.

Exhibit 5. Market salaries for *Industrial Electronics*

Market Salary	Job Postings
\$72,000-\$79,999	40
\$40,000-\$47,999	39
\$80,000-\$87,999	38
\$88,000-\$95,999	38
\$120,000-\$193,000	35

Education

Of the 335 unique job postings, 285 listed a preferred or minimum educational requirement for the position being filled. Among those, 45% requested high school or GED, 39% requested a bachelor's degree, and 12% requested an associate degree (Exhibit 6).

Exhibit 6. Education levels requested in job postings for *Industrial Electronics*

Education Level	Job Postings	% of Job Postings
High school or GED	129	45%
Bachelor's degree	110	39%
Associate degree	34	12%
Master's degree	11	4%
Ph.D. or professional degree	1	0%

Baseline, Specialized, and Software Skills

Exhibit 7 depicts the top baseline, specialized, and software skills in job postings. The most commonly requested baseline skill is management. The most commonly requested specialized skill is preventive maintenance. The most commonly requested software skill is Microsoft Software.

Exhibit 7. In-demand baseline, specialized, and software skills for *Industrial Electronics* in job postings

Baseline Skills	Specialized Skills	Software Skills
Management	Preventive Maintenance	Microsoft Software
Operations	Plumbing	SAP Applications
Communication	HVAC	Inventory Control Systems
Leadership	Housekeeping	Spreadsheets
Customer Service	Equipment Repair	IBM Maximo

Certifications

Of the 335 job postings, there were six certifications listed. Among those, 4% indicated a need for a commercial driver's license (CDL). The next top certification is a forklift certification (Exhibit 8).

Exhibit 8. Top Industrial Electronics certifications requested in job postings

Certifications	% of Job Postings
Commercial Driver's License (CDL)	4%
Forklift Certification	3%
Automotive Service Excellence (ASE) Certification	2%
Certified Apartment Service Technician	2%

Education, Work Experience, & Training

A high school diploma or equivalent is typically required for three of the occupation. A postsecondary nondegree award is typically required for electrical and electronics repairers, commercial and industrial equipment (Exhibit 9).

Exhibit 9. Education, work experience, training, and Current Population Survey results for occupations related to Industrial Electronics⁵

Occupation	Typical Entry-level Education	Work Experience Required	Typical On-The-Job Training	CPS
First-Line Supervisors of Mechanics, Installers, and Repairers	High school diploma or equivalent	Less than 5 years	None	41.7%
Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	High school diploma or equivalent	None	Moderate-term	29.5%
Helpers--Electricians	High school diploma or equivalent	None	Short-term	17.6%
Electrical and Electronics Repairers, Commercial and Industrial Equipment	Postsecondary nondegree award	None	Long-term	44.4%

⁵ "Labor Force Statistics from the Current Population Survey," Bureau of Labor Statistics, <https://www.bls.gov/cps/>.

Supply

An analysis of program data from the Integrated Postsecondary Education Data System (IPEDS) for the last three program years shows that, on average, 20 awards were conferred in the NCV/NML subregion (Exhibits 10 and 11).

Exhibit 10. TOP and CIP codes for *Industrial Electronics*

TOP Titles	CIP Titles
	15.0303 - Electrical, Electronic and Communications Engineering Technology/Technician.
0934.00 - Electronics and Electric Technology	15.0399 - Electrical and Electronic Engineering Technologies/Technicians, Other.
	47.0101 - Electrical/Electronics Equipment Installation and Repair, General.
	15.0612 - Industrial Technology/Technician.
093420 - Industrial Electronics	47.0105 - Industrial Electronics Technology/Technician.
093440 - Electrical Systems and Power Transmission	46.0301 - Electrical and Power Transmission Installation/Installer, General

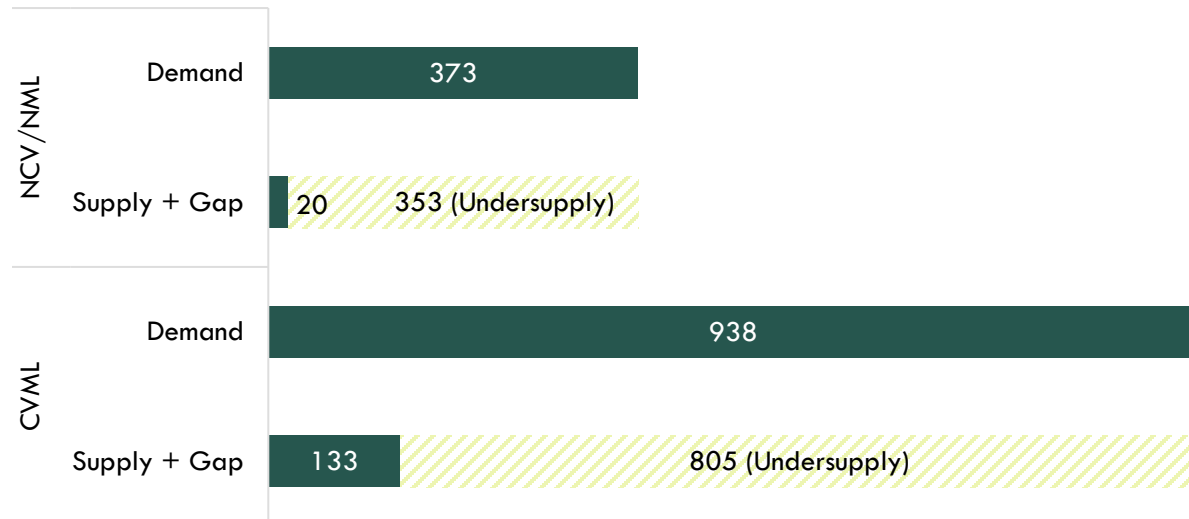
Exhibit 11. Postsecondary supply for *Industrial Electronics* for Program Years 2019-20 through 2021-22

TOP/CIP Code- Title	College	Associate Degree	Certificate 30 < 60 Semester Units	Certificate 16 < 30 Semester Units	Certificate 6 < 18 Semester Units	Total
0934.00 - Electronics and Electric Technology	Bakersfield	21	4		9	34
	Fresno City	18	10	43		71
	Merced	1				1*
	San Joaquin Delta		1			1*
0934.20 - Industrial Electronics	Fresno City			8		8
	Modesto Junior	7	6		5	18*
NCV/NML TOTAL		8	7	0	5	20
CVML TOTAL		47	21	51	14	133

*NCV/NML awards

There is an undersupply of 353 *Industrial Electronics* workers in the NCV/NML subregion and an undersupply of 805 workers in the region (Exhibit 12).

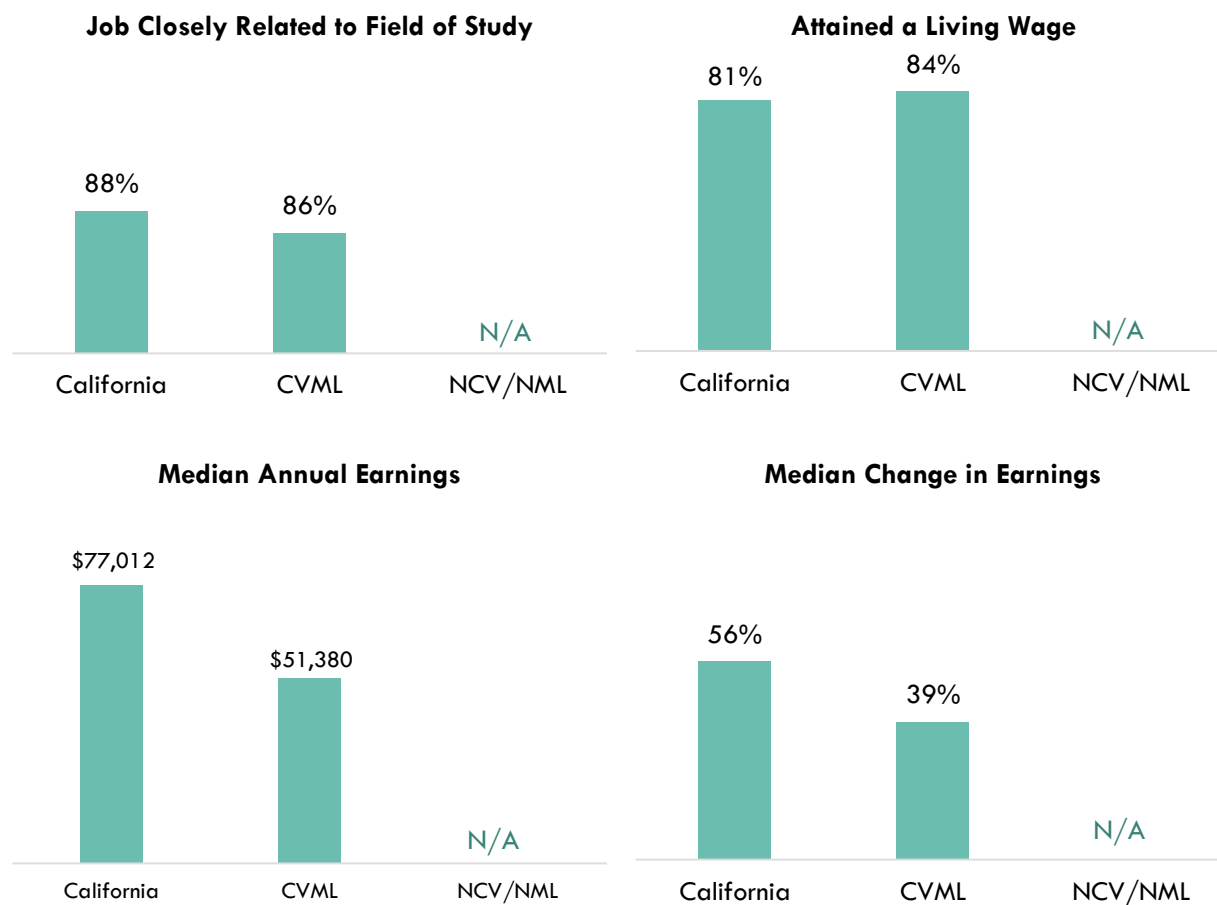
Exhibit 12. *Industrial Electronics* workforce demand (annual job openings), postsecondary awards (supply), and additional students needed to fill gap in the NCV/NML subregion and region



Student Outcomes

Exhibits 13 summarize outcomes from California Community College Chancellor's LaunchBoard for TOP codes related to *Industrial Electronics*. Notably, 60% of students obtained a job closely related to their field of study in the region and 58% of students attained a living wage in the subregion.

Exhibit 13. LaunchBoard Metrics for TOP 0934.40 - Electrical Systems and Power Transmission in California, CVML region, and NCV/NML subregion



Recommendation

This report suggests there is a shortage of 353 workers in the NCV/NML subregion and a shortage of 805 workers in the CVML region for *Industrial Electronics*. Based on these findings, it is recommended that Modesto Junior College work with the regional directors, the college's advisory board, and local industry in the development of programs to address the shortage of *Industrial Electronics* workers in the region.

Appendix: Methodology & Data Sources

Data Sources

Labor market and educational supply data compiled in this report derive from a variety of sources. Data were drawn from external sources, including the Economic Modeling Specialists, Inc., the California Community Colleges Chancellor's Office Management Information Systems Data Mart and the National Center for Educational Statistics (NCES) Integrated Postsecondary Education Data System (IPEDS). Below is the summary of the data sources found in this study.

Data Type	Source
Labor Market Information/Population Estimates and Projections/Educational Attainment	Economic Modeling Specialists, Intl. (Lightcast). Lightcast 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 Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level Lightcast earnings by industry: economicmodeling.com.
Typical Education Level and On-the-job Training	Bureau of Labor Statistics (BLS) uses a system to assign categories for entry-level education and typical on-the-job training to each occupation for which BLS publishes projections data: https://www.bls.gov/emp/tables/educational-attainment.htm .
LaunchBoard	Chancellor's LaunchBoard. https://www.calpassplus.org/LaunchBoard/SWP.aspx
Labor Force, Employment and Unemployment Estimates	California Employment Development Department, Labor Market Information Division: labormarketinfo.edd.ca.gov .
Job Posting and Skills Data	Lightcast: https://lightcast.io/ .
Additional Education Requirements/Employer Preferences	The O*NET Job Zone database includes over 900 as well as information on skills, abilities, knowledge, work activities and interests associated with specific occupations: onetonline.org .

Key Terms and Concepts

Annual Job Openings: Annual openings are calculated by dividing the number of years in the projection period by total job openings.

Education Attainment Level: The highest education attainment level of workers age 25 years or older.

Employment Estimate: The total number of workers currently employed.

Employment Projections: Projections of employment are calculated by a proprietary Economic Modeling Specialists, Intl. (LIGHTCAST) formula that includes historical employment and economic indicators along with national, state and local trends.

LaunchBoard (Attained the Living Wage): Among SWP students who exited college and did not transfer to any postsecondary institution, the proportion who attained the district county living wage for a single adult measured immediately following academic year of exit

LaunchBoard (Median Annual Earnings): Among SWP students who exited the community college system and who did not transfer to any postsecondary institution, median earnings following the academic year of exit.

LaunchBoard (Median Change in Earnings): Among SWP students who exited and who did not transfer to any postsecondary institution, median change in earnings between the second quarter prior to the beginning of the academic year of entry and the second quarter after the end of the academic year of exit from the last college attended.

LaunchBoard (Job Closely Related to Field of Study): Among SWP students who responded to the CTE Outcomes Survey and did not transfer to any postsecondary institution, the proportion who reported that they are working in a job very closely or closely related to their field of study.

Living Wage: The cost of living in a specific community or region for one adult and no children. The cost increases with the addition of children.

Occupation: An occupation is a grouping of job titles that have a similar set of activities or tasks that employees perform.

Percent Change: Rate of growth or decline in the occupation for the projected period; this does not factor in replacement openings.

Replacements: Estimate of job openings resulting from workers retiring or otherwise permanently leaving an occupation. Workers entering an occupation often need training. These replacement needs, added to job openings due to growth, may be used to assess the minimum number of workers who will need to be trained for an occupation.

Total Job Openings (New + Replacements): Sum of projected growth (new jobs) and replacement needs. When an occupation is expected to lose jobs, or retain the current employment level, number of openings will equal replacements.

Typical Education Requirement: represents the typical education level most workers need to enter an occupation.

Typical On-The-Job Training: indicates the typical on-the-job training needed to attain competency in the skills needed in the occupation.



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Select TOP Code

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PERKINS IV Core Indicators of Performance by Vocational TOP Code
Indicators for 2020-2021 Fiscal Year Planning
Summary by College for: MODESTO - YOSEMITE

To display 4 or 6 digit TOP codes, click on the plus sign to the left of the TOP code.

		Core 1 Skill Attainment	Core 2 Completion	Core 3 Persistence	Core 4 Employment	Core 5a NT Participation	Core 5b NT Completion
01	AGRICULTURE AND NATURAL RESOURCES	87.10	79.49	80.60	80.65	42.05	41.64
05	BUSINESS AND MANAGEMENT	85.57	88.22	79.29	79.43	37.27	42.12
06	MEDIA AND COMMUNICATIONS	83.49	92.75	77.14	74.36	70.00	61.11
07	INFORMATION TECHNOLOGY	94.29	87.97	85.02	71.79	18.18	21.48
09	ENGINEERING AND INDUSTRIAL TECHNOLOGIES	86.93	54.17	63.75	80.82	5.17	2.41
0934	ELECTRONICS AND ELECTRIC TECHNOLOGY	83.18	71.11	67.92	83.72	2.80	0.00
093400	ELECTRONICS AND ELECTRIC TECHNOLOGY	82.76	48.00	74.71	82.61	3.45	0.00
093410	COMPUTER ELECTRONICS	100.00	100.00	0.00	50.00	0.00	0.00
093420	INDUSTRIAL ELECTRONICS	83.33	100.00	41.18	88.89	0.00	0.00
0948	AUTOMOTIVE TECHNOLOGY	89.66	51.35	66.67	81.08	4.60	0.00
0949	AUTOMOTIVE COLLISION REPAIR	84.62	28.57	50.00	81.82	12.82	14.29
0952	CONSTRUCTION CRAFTS TECHNOLOGY	40.00	0.00	40.00	100.00	0.00	
095220	ELECTRICAL	40.00	0.00	40.00	100.00	0.00	
0956	MANUFACTURING AND INDUSTRIAL TECHNOLOGY	92.31	53.85	63.22	75.61	5.49	4.76
10	FINE AND APPLIED ARTS	0.00	100.00	100.00	50.00	0.00	0.00
12	HEALTH	70.31	99.21	86.80	89.42	17.19	16.95
13	FAMILY AND CONSUMER SCIENCES	90.69	90.43	85.90	77.78	4.95	4.25
20	PSYCHOLOGY	100.00	100.00	100.00			
21	PUBLIC AND PROTECTIVE SERVICES	89.22	75.00	78.96	80.56	42.47	51.36

Performance Rate Less Than Goal is Shaded

Total Count is 10 or Greater

Total Count is Less Than 10

Core 1 - Skill Attainment, GPA 2.0 & Above: 85.49% Performance Goal - (2017- 2018)

Core 2 - Completions, Certificates, Degrees and Transfer Ready: 82.31% Performance Goal - (2017- 2018)

Core 3 - Persistence in Higher Education: 86.63% Performance Goal - (2017- 2018)

Core 4 - Employment: 73.23% Performance Goal - (2017- 2018)

Core 5 - Training Leading to Non-traditional Employment: Greater than 26.00% Participation & 28.34% Completion - (2017- 2018)

 Source: CCCCO MIS Database, EDD Base Wage File, CSU Chancellor's Office,
UC Office of the President, 2000 Census, Student Loan Clearing House

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2020-2021

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093400 Electronics and Electric Technology

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Summary Core Indicators by TOP Code - Report



PERKINS IV Core Indicators of Performance by 6-digit Vocational TOP Code

Summary Detail Report for 2020-2021 Fiscal Year Planning

MODESTO COLLEGE

093400 Electronics and Electric Technology

	Core 1 Skill Attainment			Core 2 Completions			Core 3 Persistence		
	Percent	Count	Total	Percent	Count	Total	Percent	Count	Total
Program Area Total	82.76	72	87	48.00	12	25	74.71	65	87
Female	66.67	2	3		0	0	100.00	3	3
Male	82.72	67	81	45.83	11	24	72.84	59	81
Non-traditional	66.67	2	3		0	0	100.00	3	3
Displaced Homemaker	55.56	5	9	100.00	1	1	100.00	9	9
Economically Disadvantaged	78.85	41	52	45.45	5	11	78.85	41	52
Limited English Proficiency	66.67	2	3		0	0	100.00	3	3
Single Parent	57.14	4	7	0.00	0	1	85.71	6	7
Students with Disabilities	100.00	5	5	50.00	1	2	100.00	5	5
Technical Preparation		0	0		0	0		0	0
District	82.76	72	87	48.00	12	25	74.71	65	87
State	88.74	16,734	18,858	86.00	7,815	9,087	81.68	15,150	18,548

	Core 4 Employment			Core 5a NT Participation			Core 5b NT Completion		
	Percent	Count	Total	Percent	Count	Total	Percent	Count	Total
Program Area Total	82.61	19	23	3.45	3	87	0.00	0	16
Female		0	0	100.00	3	3		0	0
Male	82.61	19	23	0.00	0	81	0.00	0	14
Non-traditional		0	0	3.45	3	87	0.00	0	16
Displaced Homemaker		0	0	22.22	2	9	0.00	0	1
Economically Disadvantaged	81.82	9	11	5.77	3	52	0.00	0	8
Limited English Proficiency		0	0	0.00	0	3		0	0
Single Parent	100.00	1	1	14.29	1	7		0	0
Students with Disabilities	0.00	0	1	0.00	0	5	0.00	0	2
Technical Preparation		0	0		0	0		0	0
District	82.61	19	23	3.45	3	87	0.00	0	16
State	77.05	5,512	7,154	9.67	2,355	24,358	10.26	1,104	10,765

The DR notation indicates privacy requirements - EDD requires that counts less than six not be displayed.

Performance Rate Less Than Goal is Shaded

Core 1 - Skill Attainment, GPA 2.0 & Above: 85.49% Performance Goal - (2017- 2018)

Core 2 - Completions, Certificates, Degrees and Transfer Ready: 82.31% Performance Goal - (2017- 2018)

Core 3 - Persistence in Higher Education: 86.63% Performance Goal - (2017- 2018)

Core 4 - Employment: 73.23% Performance Goal - (2017- 2018)

Core 5 - Training Leading to Non-traditional Employment: Greater than 26.00% Participation & 28.34% Completion - (2017- 2018)

Source: CCCCO MIS Database, EDD Base Wage File, CSU Chancellor's Office,
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Select TOP Code

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PERKINS IV Core Indicators of Performance by 6-digit Vocational TOP Code

Summary Detail Report for 2020-2021 Fiscal Year Planning

MODESTO COLLEGE

093420 Industrial Electronics

	Core 1 Skill Attainment			Core 2 Completions			Core 3 Persistence		
	Percent	Count	Total	Percent	Count	Total	Percent	Count	Total
Program Area Total	83.33	15	18	100.00	18	18	41.18	7	17
Female		0	0		0	0		0	0
Male	88.24	15	17	100.00	17	17	41.18	7	17
Non-traditional		0	0		0	0		0	0
Displaced Homemaker	100.00	2	2	100.00	2	2	50.00	1	2
Economically Disadvantaged	100.00	10	10	100.00	10	10	50.00	5	10
Limited English Proficiency		0	0		0	0		0	0
Single Parent	100.00	3	3	100.00	3	3	33.33	1	3
Students with Disabilities	100.00	1	1	100.00	1	1	100.00	1	1
Technical Preparation		0	0		0	0		0	0
District	83.33	15	18	100.00	18	18	41.18	7	17
State	87.87	956	1,088	94.35	702	744	83.15	883	1,062

	Core 4 Employment			Core 5a NT Participation			Core 5b NT Completion		
	Percent	Count	Total	Percent	Count	Total	Percent	Count	Total
Program Area Total	88.89	16	18	0.00	0	18	0.00	0	18
Female		0	0		0	0		0	0
Male	88.24	15	17	0.00	0	17	0.00	0	17
Non-traditional		0	0	0.00	0	18	0.00	0	18
Displaced Homemaker	100.00	2	2	0.00	0	2	0.00	0	2
Economically Disadvantaged	80.00	8	10	0.00	0	10	0.00	0	10
Limited English Proficiency		0	0		0	0		0	0
Single Parent	100.00	3	3	0.00	0	3	0.00	0	3
Students with Disabilities	100.00	1	1	0.00	0	1	0.00	0	1
Technical Preparation		0	0		0	0		0	0
District	88.89	16	18	0.00	0	18	0.00	0	18
State	82.16	539	656	6.92	98	1,416	7.48	69	923

The DR notation indicates privacy requirements - EDD requires that counts less than six not be displayed.

Performance Rate Less Than Goal is Shaded

Core 1 - Skill Attainment, GPA 2.0 & Above: 85.49% Performance Goal - (2017- 2018)

Core 2 - Completions, Certificates, Degrees and Transfer Ready: 82.31% Performance Goal - (2017- 2018)

Core 3 - Persistence in Higher Education: 86.63% Performance Goal - (2017- 2018)

Core 4 - Employment: 73.23% Performance Goal - (2017- 2018)

Core 5 - Training Leading to Non-traditional Employment: Greater than 26.00% Participation & 28.34% Completion - (2017- 2018)

Source: CCCCO MIS Database, EDD Base Wage File, CSU Chancellor's Office,
UC Office of the President, 2000 Census, Student Loan Clearing House

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California Community Colleges Chancellor's Office
Management Information Systems Division
Career Technical Education (CTE) (Perkins IV)

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Summary Core Indicators by TOP Code - Parameter Selection Area

Select Report Type

6 Digit TOP Codes - Sum

Select District/College

Modesto Junior College

Select Fiscal Year

2020-2021

Select TOP Code

095220 Electrical

[View Report](#)

Summary Core Indicators by TOP Code - Report

1 of 1 Find | Next



PERKINS IV Core Indicators of Performance by 6-digit Vocational TOP Code

Summary Detail Report for 2020-2021 Fiscal Year Planning

MODESTO COLLEGE

095220 Electrical

	Core 1 Skill Attainment			Core 2 Completions			Core 3 Persistence		
	Percent	Count	Total	Percent	Count	Total	Percent	Count	Total
Program Area Total	40.00	2	5	0.00		2	40.00	2	5
Female									
Male	40.00	2	5	0.00		2	40.00	2	5
Non-traditional									
Displaced Homemaker	100.00	1	1				0.00		1
Economically Disadvantaged	66.67	2	3	0.00		1	33.33	1	3
Limited English Proficiency									
Single Parent									
Students with Disabilities									
Technical Preparation									
District	40.00	2	5	0.00		2	40.00	2	5
State	93.36	30,214	32,362	61.51	5,730	9,315	78.55	25,064	31,910

	Core 4 Employment			Core 5a NT Participation			Core 5b NT Completion		
	Percent	Count	Total	Percent	Count	Total	Percent	Count	Total
Program Area Total	100.00	3	3	0.00		5			
Female									
Male	100.00	3	3	0.00		5			
Non-traditional				0.00		5			
Displaced Homemaker	100.00	1	1	0.00		1			
Economically Disadvantaged	100.00	2	2	0.00		3			
Limited English Proficiency									
Single Parent									
Students with Disabilities									
Technical Preparation									
District	100.00	3	3	0.00		5			
State	93.79	9,017	9,614	3.20	1,400	43,795	3.03	255	8,421

The DR notation indicates privacy requirements - EDD requires that counts less than six not be displayed.

Performance Rate Less Than Goal is Shaded

Core 1 - Skill Attainment, GPA 2.0 & Above: 85.49% Performance Goal - (2017- 2018)

Core 2 - Completions, Certificates, Degrees and Transfer Ready: 82.31% Performance Goal - (2017- 2018)

Core 3 - Persistence in Higher Education: 86.63% Performance Goal - (2017- 2018)

Core 4 - Employment: 73.23% Performance Goal - (2017- 2018)

Core 5 - Training Leading to Non-traditional Employment: Greater than 26.00% Participation & 28.34% Completion - (2017- 2018)

Source: CCCCO MIS Database, EDD Base Wage File, CSU Chancellor's Office,
UC Office of the President, 2000 Census, Student Loan Clearing House

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Report Create Date: 02/01/2010

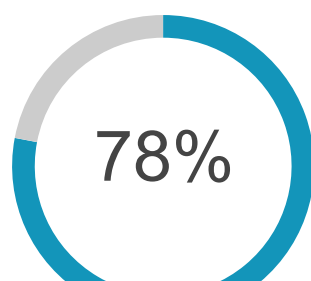
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Selection: Modesto Junior College, Electronics and Electric Technology (093400), 2020-2021

335

Students Enrolled

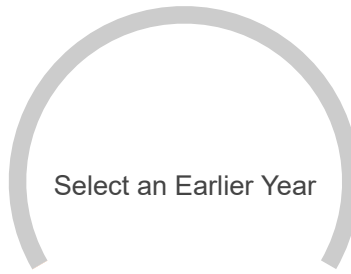
Economically Disadvantaged



Retained Fall to Spring at Any College: 72%



Data Unavailable for this Selection



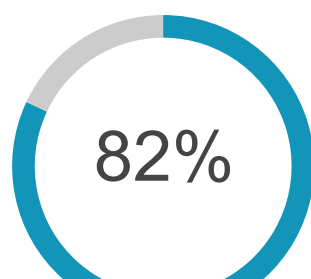
Select an Earlier Year

Selection: Modesto Junior College, Industrial Systems Technology and Maintenance (094500), 2020-2021

114

Students Enrolled

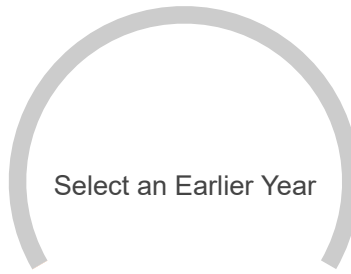
Economically Disadvantaged



Retained Fall to Spring at Any College: 78%



Data Unavailable for this Selection



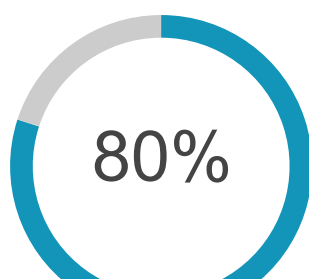
Select an Earlier Year

Selection: Modesto Junior College, Electrical (095220), 2020-2021

138

Students Enrolled

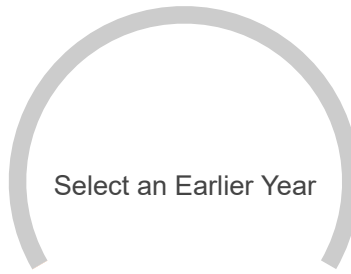
Economically Disadvantaged



Retained Fall to Spring at Any College: 69%



Data Unavailable for this Selection



Select an Earlier Year