Electrical and Electronic Engineering Technologists and Technicians
in 2 California Counties

Contents

What is Lightcast Data?

Lightcast data is a hybrid dataset derived from official government sources such as the US Census Bureau, Bureau of Economic Analysis, and Bureau of Labor Statistics. Leveraging the unique strengths of each source, our data modeling team creates an authoritative dataset that captures more than 99% of all workers in the United States. This core offering is then enriched with data from online social profiles, resumés, and job postings to give you a complete view of the workforce.

Lightcast data is frequently cited in major publications such as *The Atlantic*, *Forbes*, *Harvard Business Review*, *The New York Times*, *The Wall Street Journal*, and *USA Today*.

Report Parameters

1 Occupation

17-3023   Electrical and Electronic Engineering Technologists and Technicians

2 Counties

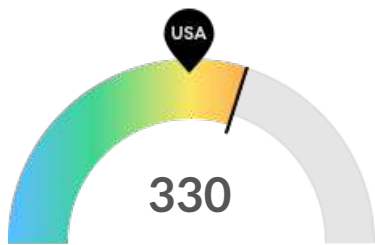6079   San Luis Obispo County, CA   6083   Santa Barbara County, CA

Class of Worker

QCEW Employees, Non-QCEW Employees, and Self-Employed

The information in this report pertains to the chosen occupation and geographical areas.
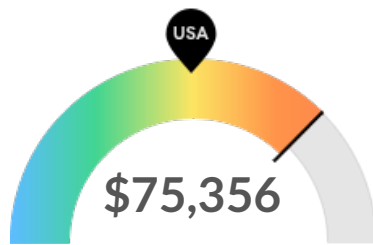
Executive Summary

## Aggressive Job Posting Demand Over a Deep Supply of Regional Jobs

330

Jobs (2023)

Your area is a hotspot for this kind of job. The national average for an area this size is 251* employees, while there are 330 here.

$75,356

Compensation

Earnings are high in your area. The national median salary for Electrical and Electronic Engineering Technologists and Technicians is $63,524, compared to $75,356 here.

14
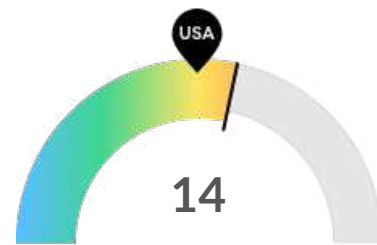
Job Posting Demand

Job posting activity is high in your area. The national average for an area this size is 11* job postings/mo, while there are 14 here.

*National average values are derived by taking the national value for Electrical and Electronic Engineering Technologists and Technicians and scaling it down to account for the difference in overall workforce size between the nation and your area. In other words, the values represent the national average adjusted for region size.

Jobs

## Regional Employment Is Higher Than the National Average

An average area of this size typically has 251* jobs, while there are 330 here. This higher than average supply of jobs may make it easier for workers in this field to find employment in your area.
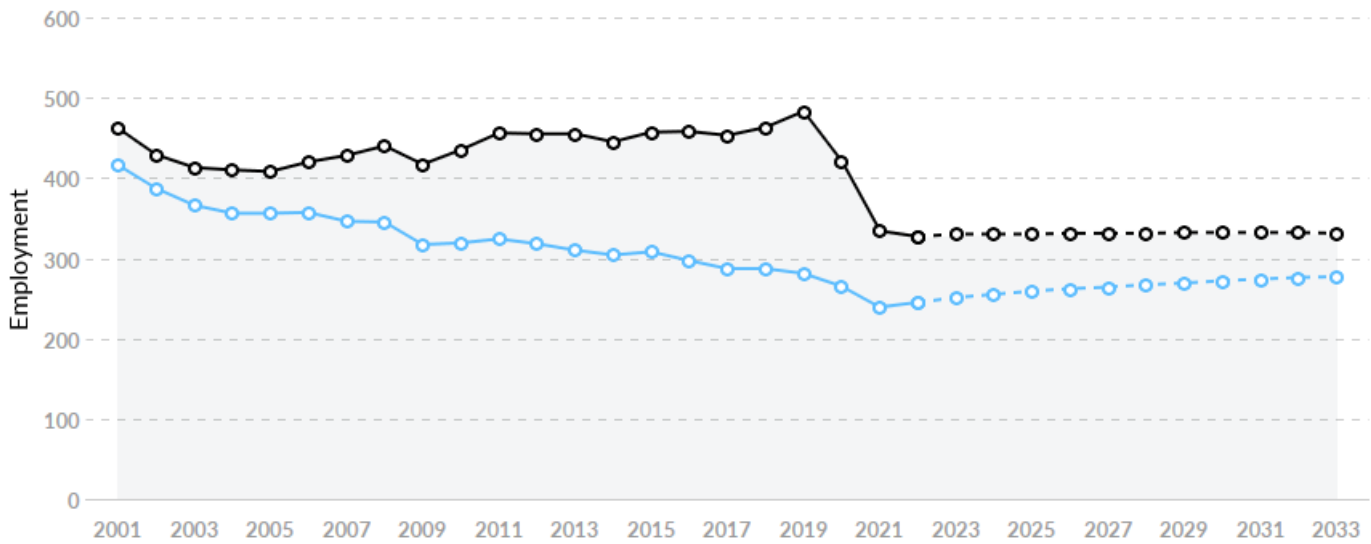
|	Region	2023 Jobs	2033 Jobs	Change	% Change
●	2 California Counties	330	331	1	0.4%
●	National Average	251	277	26	10.5%

*National average values are derived by taking the national value for Electrical and Electronic Engineering Technologists and Technicians and scaling it down to account for the difference in overall workforce size between the nation and your area. In other words, the values represent the national average adjusted for region size.

Regional Breakdown
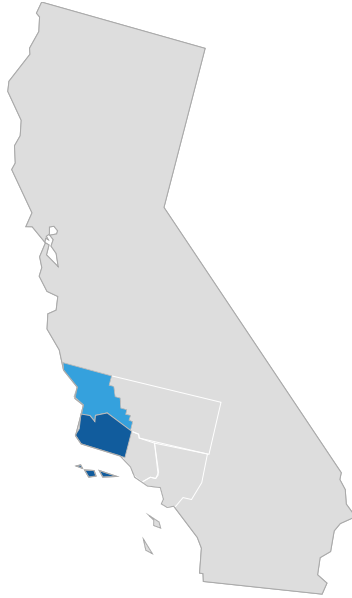
County	2023 Jobs
Santa Barbara County, CA	237
San Luis Obispo County, CA	93

Most Jobs are Found in the Navigational, Measuring, Electromedical, and Control Instruments Manufacturing Industry Sector
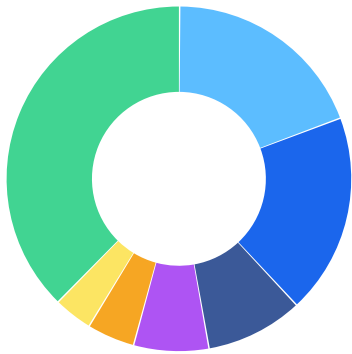
	Industry	% of Occupation in Industry (2023)
🔵	Navigational, Measuring, Electromedical, and Control Instruments Manufacturing	19.2%
🔵	Architectural, Engineering, and Related Services	18.8%
🔵	Semiconductor and Other Electronic Component Manufacturing	9.1%
🟣	Federal Government, Civilian	7.0%
🟠	Electric Power Generation, Transmission and Distribution	4.5%
🟡	Communications Equipment Manufacturing	3.6%
🟢	Other	37.7%

Compensation

Regional Compensation Is 19% Higher Than National Compensation

For Electrical and Electronic Engineering Technologists and Technicians, the 2021 median wage in your area is $75,356, while the national median wage is $63,524.
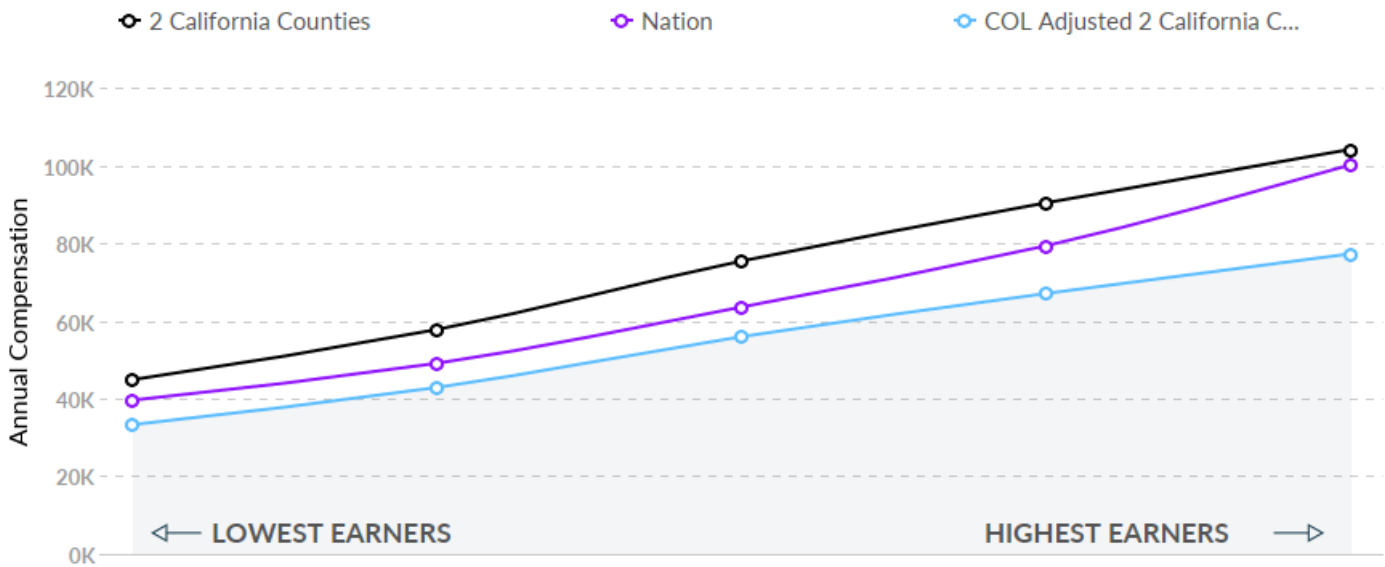
Job Posting Activity

81 Unique Job Postings

The number of unique postings for this job from Jan 2023 to Jun 2023.

42 Employers Competing
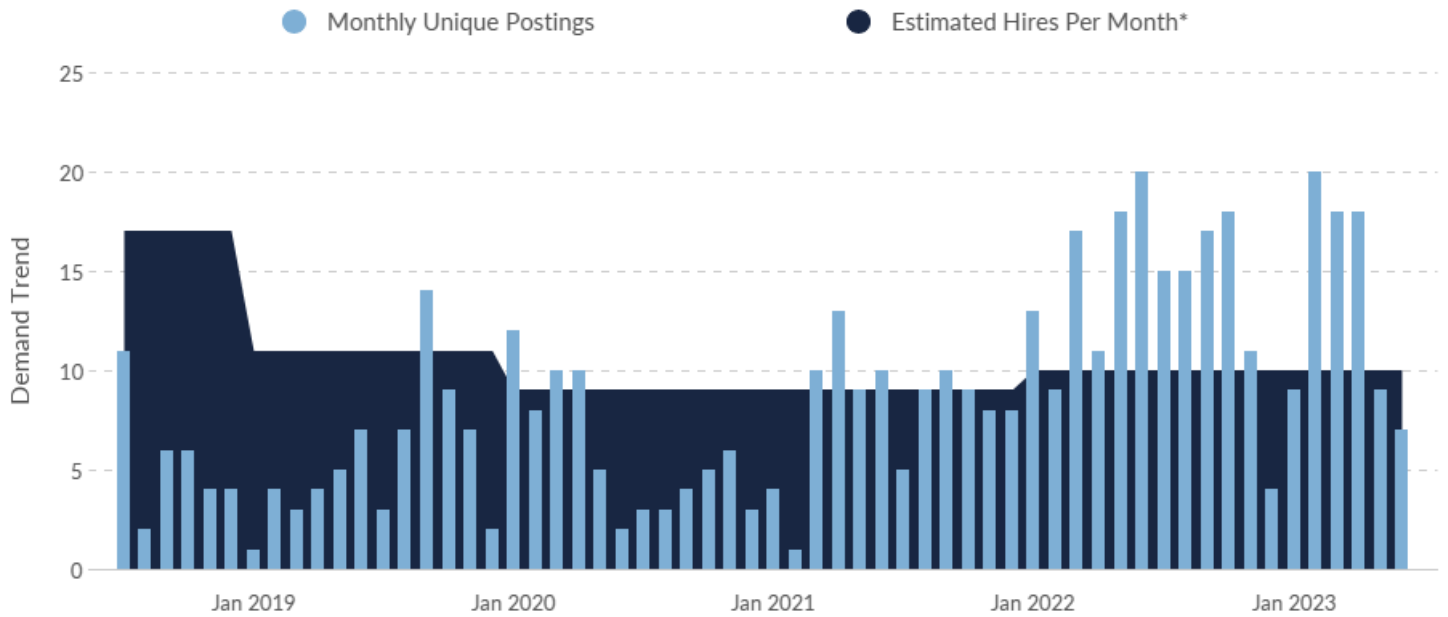
All employers in the region who posted for this job from Jan 2023 to Jun 2023.

30 Day Median Duration

Posting duration is 3 days shorter than what's typical in the region.

| Occupation	Avg Monthly Postings (Jan 2023 - Jun 2023)	Avg Monthly Hires (Jan 2023 - Jun 2023)
Electrical and Electronic Engineering Technologists and Technicians	14	10

*A hire is reported by the Quarterly Workforce Indicators when an individual's Social Security Number appears on a company's payroll and was not there the quarter before. Lightcast hires are calculated using a combination of Lightcast jobs data, information on separation rates from the Bureau of Labor Statistics (BLS), and industry-based hires data from the Census Bureau.

| Top Companies	Unique Postings		Top Job Titles	Unique Postings	
Range Generation Next	9		Electronics Technicians	14	
Aerotek	5		Test Technicians	14	
Bruker	5		Low Voltage Technicians	7	
Entegris	4		Electrical Technicians	4	
Internal Revenue Service	4		Office Automation Technicians	4	
Empirical Systems Aerospace	3		Contract Technicians	3	
Bell-Everman	2		Electromechanical Technicians	3	
Capital Cabaret	2		Electronic Test Technicians	3	
Essex Electronics	2		FMS Engineers	3	
KARL STORZ	2		Electrical Controls Technicians	2	

Top Distinguishing Skills by Demand

An occupation's Distinguishing Skills are the advanced skills that are called for occasionally. An employee with these skills is likely more specialized and able to differentiate themselves from others in the same role.
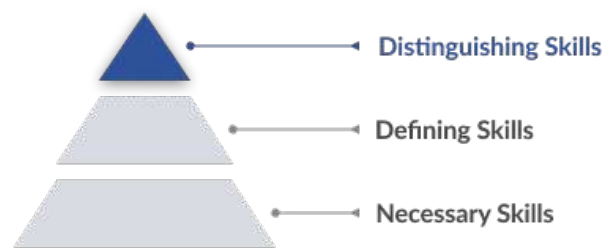
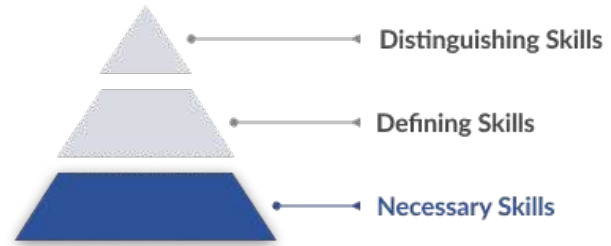| Skill	Salary Boosting	Job Postings Requesting
Multimeters	❌	7

Top Defining Skills by Demand

An occupation's Defining Skills represent the day-to-day tasks and responsibilities of the job. An employee needs these skills to qualify for and perform successfully in this occupation.
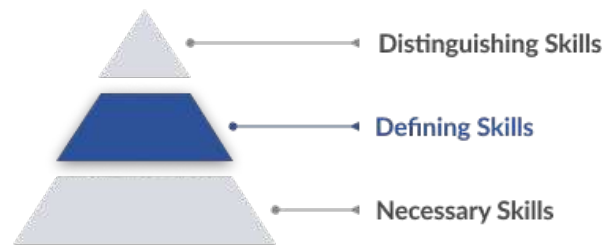
| Skill	Salary Boosting	Job Postings Requesting
Electronics	❌	19
Oscilloscope	❌	15

Top Necessary Skills by Demand

An occupation's Necessary Skills are the specialized skills required for that job and relevant across other similar jobs. An employee needs these skills as building blocks to perform the more complex Defining Skills.

Distinguishing Skills

Defining Skills

Necessary Skills

| Skill	Salary Boosting	Job Postings Requesting
Electromechanics	❌	19
Test Equipment	❌	18
Valid Driver's License	❌	17
Hand Tools	❌	15
Soldering	❌	15
Electrical Wiring	❌	14
Power Tool Operation	❌	10
Blueprinting	❌	8
Electronic Components	❌	8
Control Systems	❌	7

Demographics

Retirement Risk Is High, While Overall Diversity Is High
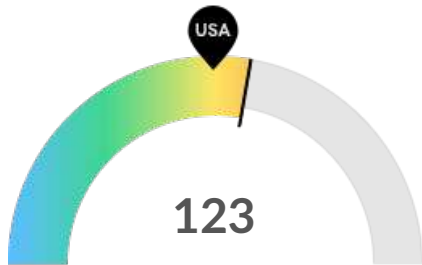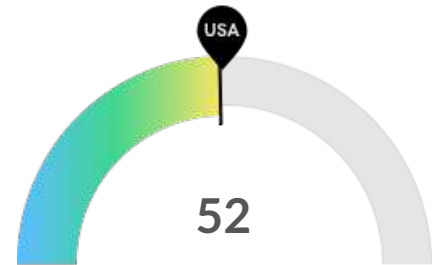
123
Retiring Soon

Retirement risk is high in your area. The national average for an area this size is 105* employees 55 or older, while there are 123 here.
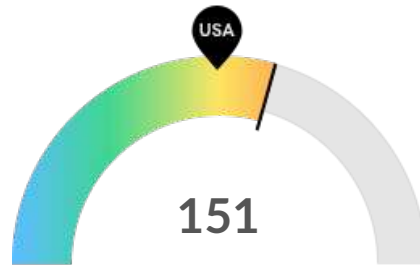
151
Racial Diversity

Racial diversity is high in your area. The national average for an area this size is 118* racially diverse employees, while there are 151 here.
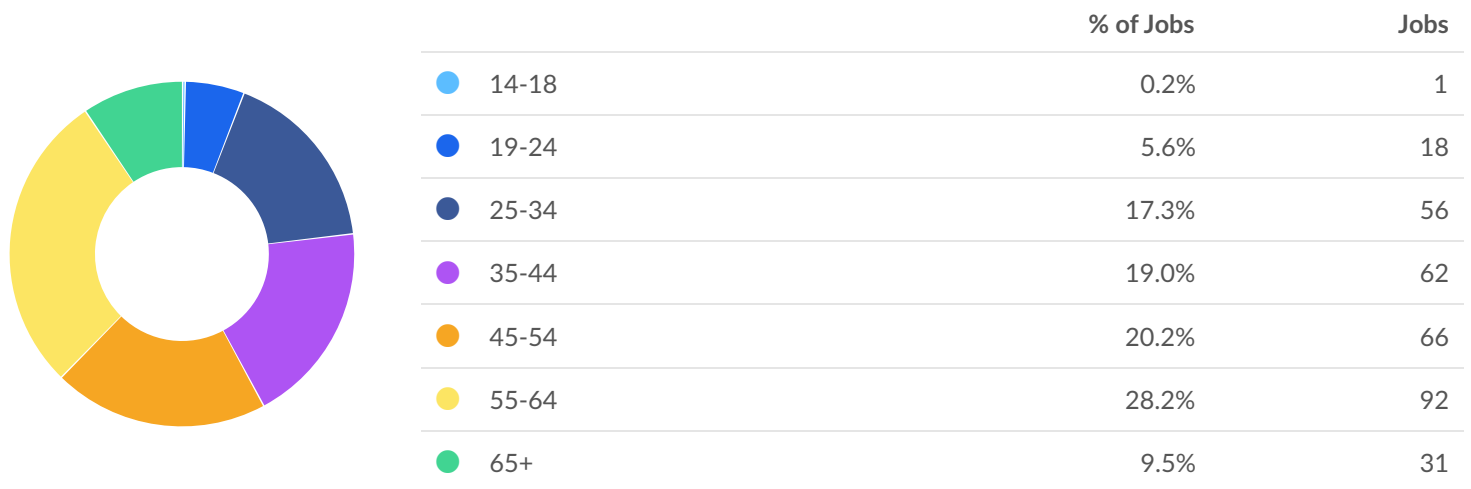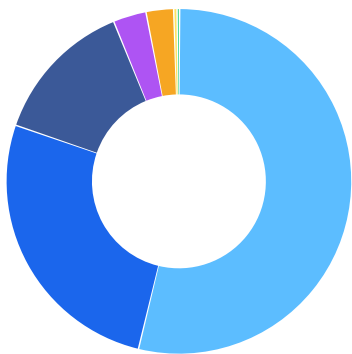
52
Gender Diversity

Gender diversity is about average in your area. The national average for an area this size is 53* female employees, while there are 52 here.

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Occupation Age Breakdown

	% of Jobs	Jobs
14-18	0.2%	1
19-24	5.6%	18
25-34	17.3%	56
35-44	19.0%	62
45-54	20.2%	66
55-64	28.2%	92
65+	9.5%	31

Occupation Race/Ethnicity Breakdown

	% of Jobs	Jobs
● White	53.7%	176
● Hispanic or Latino	26.5%	87
● Asian	13.6%	44
● Black or African American	3.1%	10
● Two or More Races	2.6%	8
● Native Hawaiian or Other Pacific Islander	0.3%	1
● American Indian or Alaska Native	0.2%	1

Occupation Gender Breakdown
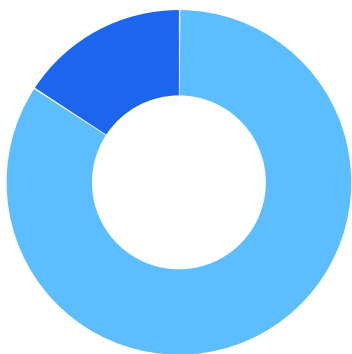
	% of Jobs	Jobs
● Males	84.1%	275
● Females	15.9%	52

National Educational Attainment
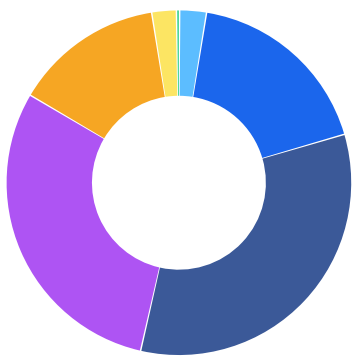
	% of Jobs
● Less than high school diploma	2.5%
● High school diploma or equivalent	17.9%
● Some college, no degree	33.1%
● Associate's degree	29.9%
● Bachelor's degree	14.0%
● Master's degree	2.3%
● Doctoral or professional degree	0.3%

Occupational Programs

1 Program

Of the programs that can train for this job, 1 has produced completions in the last 5 years.

2 Completions (2021)

The completions from all regional institutions for all degree types.

36 Openings (2021)

The average number of openings for an occupation in the region is 74.

CIP Code	Top Programs	Completions (2021)
15.0000	Engineering Technologies/Technicians, General	2

Top Schools	Completions (2021)
Allan Hancock College	2

Appendix A

Electrical and Electronic Engineering Technologists and Technicians (SOC 17-3023):
Apply electrical and electronic theory and related knowledge, usually under the direction of engineering staff, to design, build, repair, adjust, and modify electrical components, circuitry, controls, and machinery for subsequent evaluation and use by engineering staff in making engineering design decisions. Excludes Broadcast Technicians (27-4012).

Sample of Reported Job Titles:
Electrical Engineering Technician
Technologist
System Technologist
Engineering Technologist
Engineering Technician (Engineering Tech)
Electronics Technician
Electronics Engineering Technician
Electrical Technician
Communications Technologist
Semiconductor Development Technician

Related O*NET Occupation:
Electrical and Electronic Engineering Technologists and Technicians (17-3023.00)