



# Engineering Technologists and Technicians, Except Drafters, All Other

## in 2 California Counties

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## 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, resumé, 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

17-3029 Engineering Technologists and Technicians, Except Drafters, All Other

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### 2 Counties

6079 San Luis Obispo County, CA

6083 Santa Barbara County, CA

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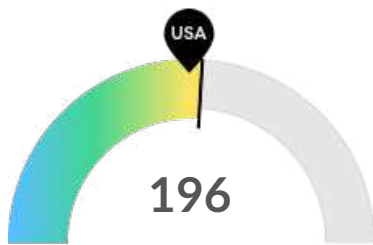
### Class of Worker

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

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

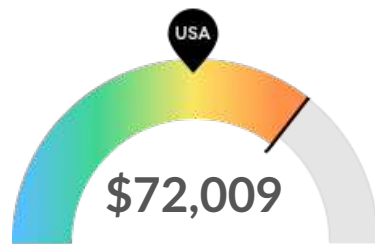
## Executive Summary

### Average Job Posting Demand Over an Average Supply of Regional Jobs



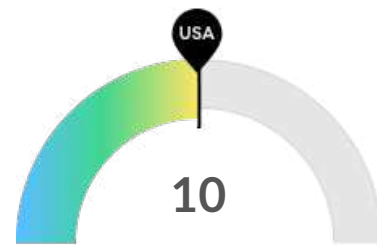
**Jobs (2023)**

Your area is about average for this kind of job. The national average for an area this size is 185\* employees, while there are 196 here.



**Compensation**

Earnings are high in your area. The national median salary for Engineering Technologists and Technicians, Except Drafters, All Other is \$61,881, compared to \$72,009 here.



**Job Posting Demand**

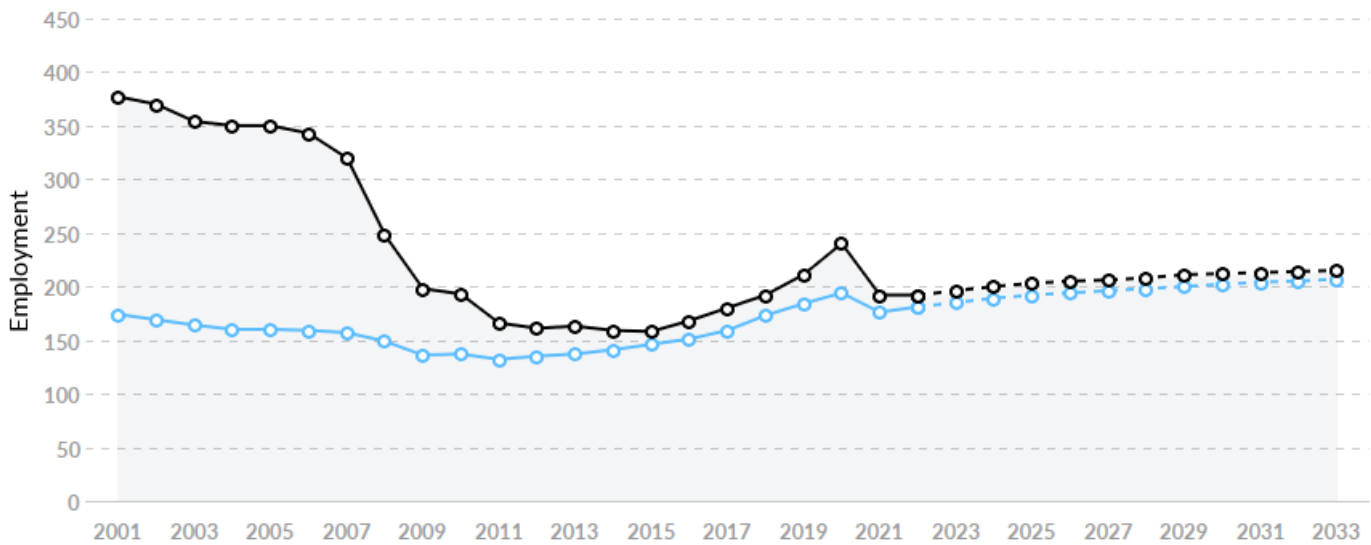
Job posting activity is about average in your area. The national average for an area this size is 10\* job postings/mo, while there are 10 here.

\*National average values are derived by taking the national value for Engineering Technologists and Technicians, Except Drafters, All Other 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 About Equal to the National Average

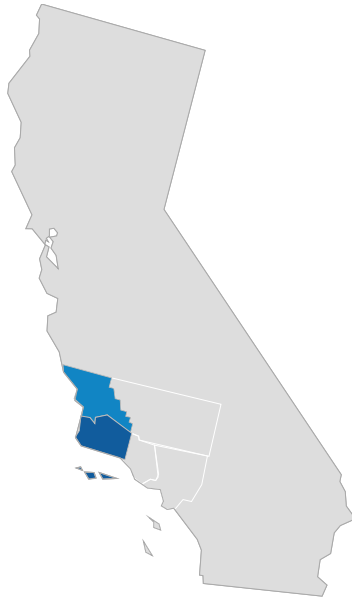
An average area of this size typically has 185\* jobs, while there are 196 here.



Region	2023 Jobs	2033 Jobs	Change	% Change
● 2 California Counties	196	215	19	9.7%
● National Average	185	207	22	11.6%

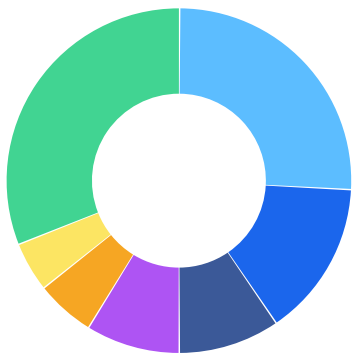
\*National average values are derived by taking the national value for Engineering Technologists and Technicians, Except Drafters, All Other and scaling it down to account for the difference in overall workforce size between the nation and your area. In other words, the values represent the national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

## Regional Breakdown



County	2023 Jobs
Santa Barbara County, CA	116
San Luis Obispo County, CA	80

## Most Jobs are Found in the Architectural, Engineering, and Related Services Industry Sector



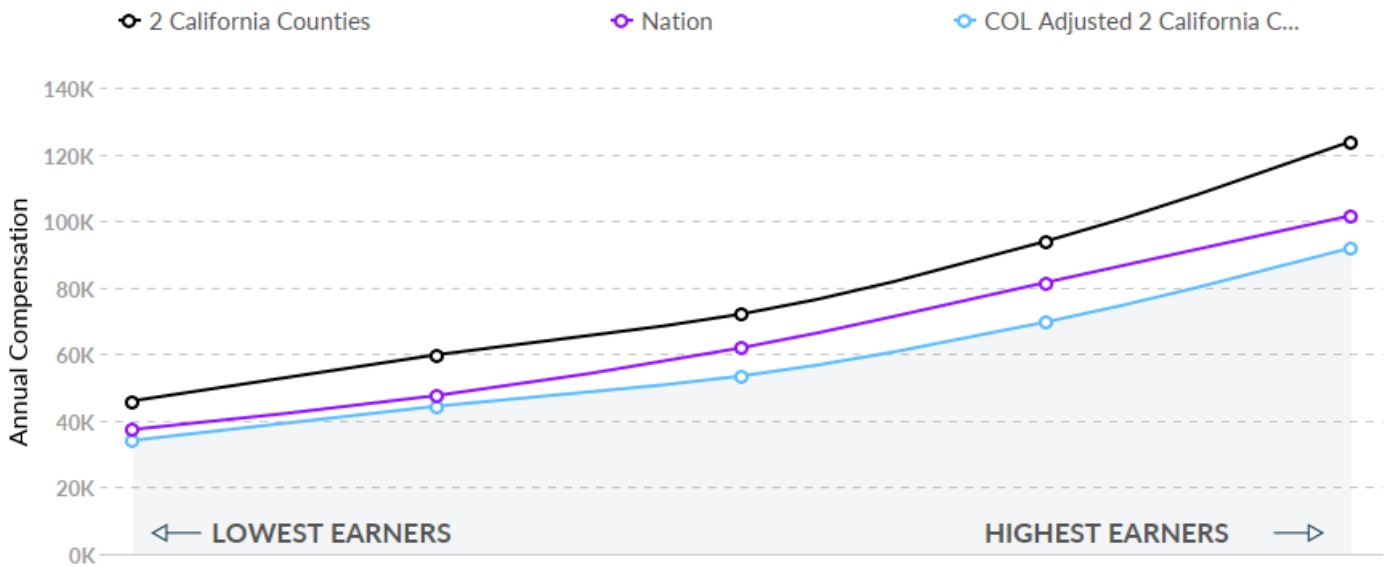
Industry	% of Occupation in Industry (2023)
Architectural, Engineering, and Related Services	25.8%
Employment Services	14.6%
Federal Government, Civilian	9.5%
Navigational, Measuring, Electromedical, and Control Instruments Manufacturing	8.8%
Scientific Research and Development Services	5.5%
Education and Hospitals (State Government)	4.7%
Other	31.1%



# Compensation

## Regional Compensation Is 16% Higher Than National Compensation

For Engineering Technologists and Technicians, Except Drafters, All Other, the 2021 median wage in your area is \$72,009, while the national median wage is \$61,881.



# Job Posting Activity



## 57 Unique Job Postings

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



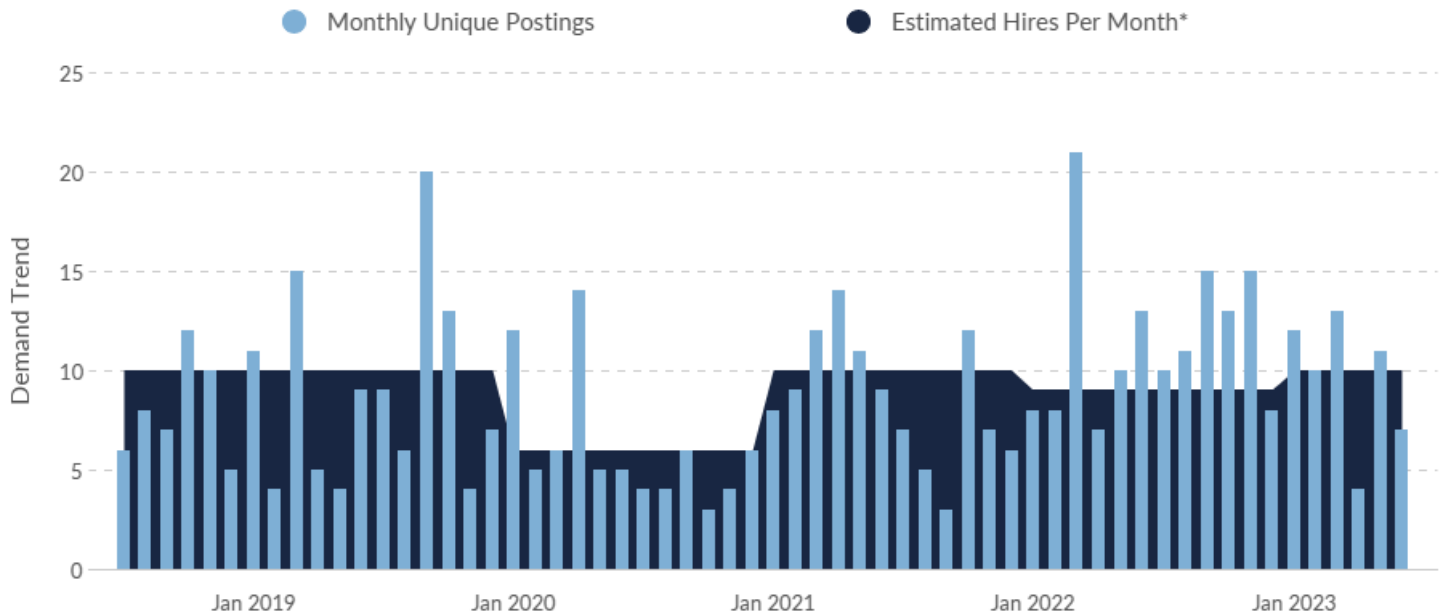
## 25 Employers Competing

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)
Engineering Technologists and Technicians, Except Drafters, All Other	10	10

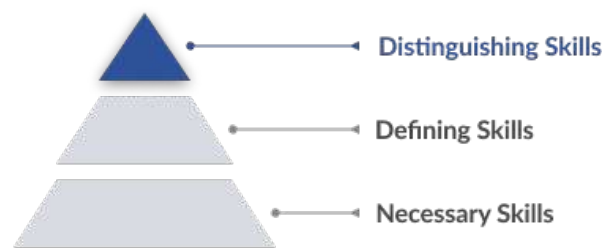
\*A hire is reported by the Quarterly Workforce Indicators when an individual's Social Security Number appears on a company's payroll and was not there the quarter before. Lightcast hires are calculated using a combination of Lightcast jobs data, information on separation rates from the Bureau of Labor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

Top Companies	Unique Postings
Sierra Vista Regional Medical Ce...	6
Actalent	5
Avantor	5
Empirical Systems Aerospace	3
Orbital Atk	3
APR Consulting	2
Arthrex	2
Cal Poly State University	2
Chipton Ross	2
Perspecta	2

Top Job Titles	Unique Postings
Engineering Technicians	23
Registered Nurse First Assistants	6
Innovation Engineers	4
Engineers	3
Project Engineering Technicians	2
Technical Integration Engineers	2
Administrative Support Technici...	1
Advanced Technology Engineers	1
Computer Support Technicians	1
Electronic Engineering Technicia...	1

## Top Distinguishing Skills by Demand

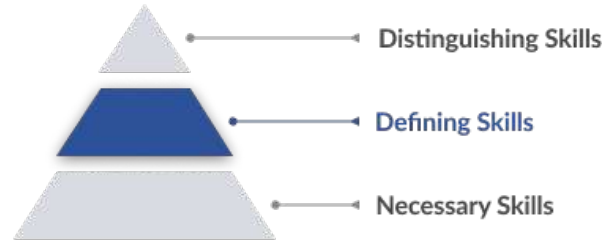
An occupation's Distinguishing Skills are the advanced skills that are called for occasionally. An employee with these skills is likely more specialized and able to differentiate themselves from others in the same role.



Skill	Salary Boosting	Job Postings Requesting
Level 2 Stocks		0

## Top Defining Skills by Demand

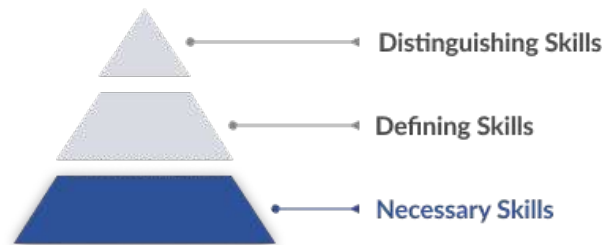
An occupation's Defining Skills represent the day-to-day tasks and responsibilities of the job. An employee needs these skills to qualify for and perform successfully in this occupation.



Skill	Salary Boosting	Job Postings Requesting
Non-Destructive Testing (NDT)	✘	0

## Top Necessary Skills by Demand

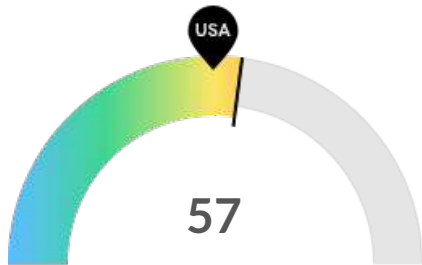
An occupation's Necessary Skills are the specialized skills required for that job and relevant across other similar jobs. An employee needs these skills as building blocks to perform the more complex Defining Skills.



Skill	Salary Boosting	Job Postings Requesting
Test Equipment	✘	8
Valid Driver's License	✘	6
Technical Support	✘	4
Project Management	✘	3
Computer Science	✘	1
Automation	✘	0

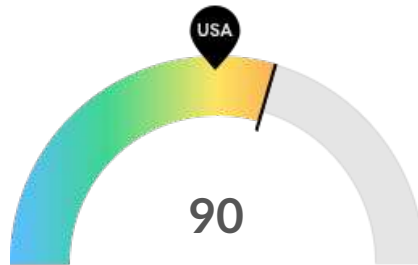
## Demographics

### Retirement Risk Is High, While Overall Diversity Is High



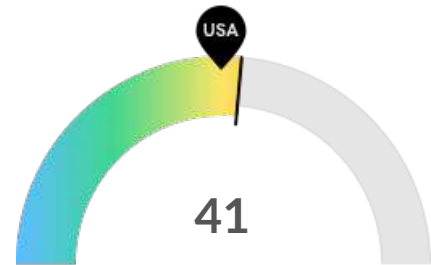
**Retiring Soon**

Retirement risk is high in your area. The national average for an area this size is 51\* employees 55 or older, while there are 57 here.



**Racial Diversity**

Racial diversity is high in your area. The national average for an area this size is 70\* racially diverse employees, while there are 90 here.

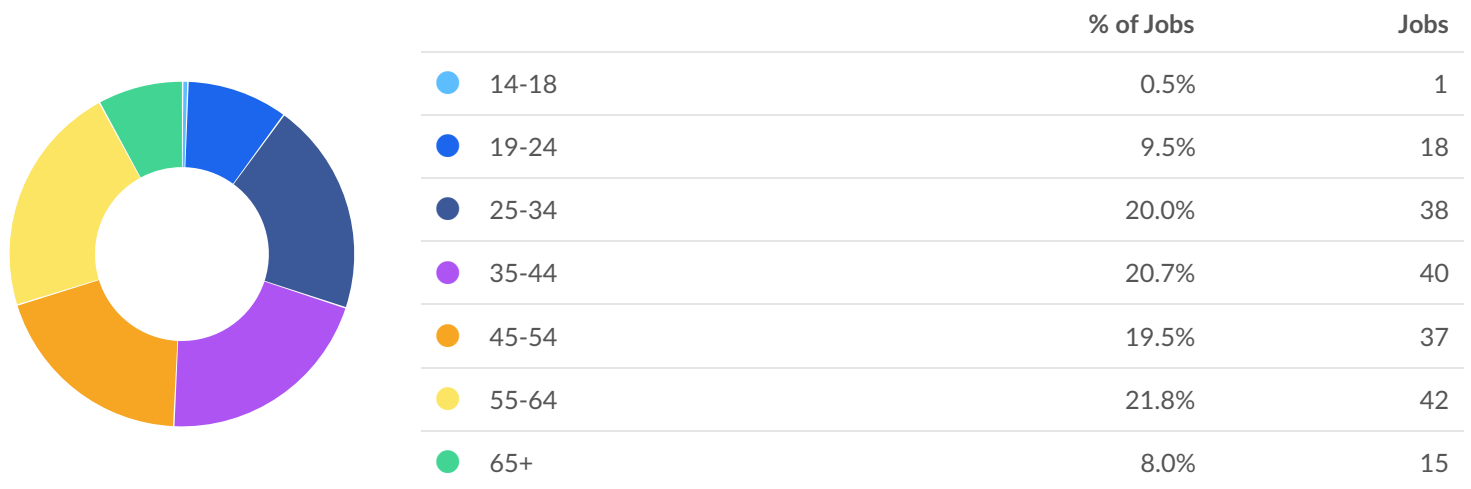


**Gender Diversity**

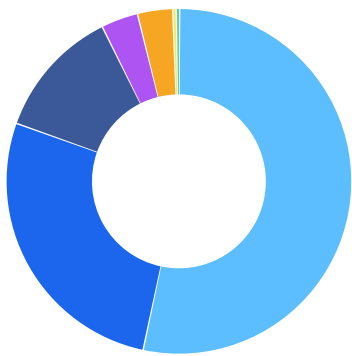
Gender diversity is about average in your area. The national average for an area this size is 38\* female employees, while there are 41 here.

\*National average values are derived by taking the national value for Engineering Technologists and Technicians, Except Drafters, All Other 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.

## Occupation Age Breakdown

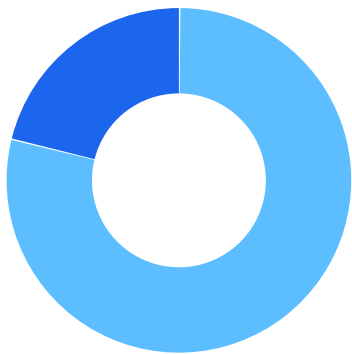


## Occupation Race/Ethnicity Breakdown



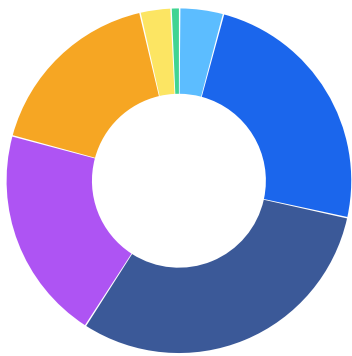
	% of Jobs	Jobs
White	53.3%	102
Hispanic or Latino	27.1%	52
Asian	12.2%	23
Black or African American	3.5%	7
Two or More Races	3.3%	6
American Indian or Alaska Native	0.3%	1
Native Hawaiian or Other Pacific Islander	0.3%	1

## Occupation Gender Breakdown



	% of Jobs	Jobs
Males	78.8%	152
Females	21.2%	41

## National Educational Attainment



	% of Jobs
● Less than high school diploma	4.1%
● High school diploma or equivalent	24.3%
● Some college, no degree	30.7%
● Associate's degree	20.1%
● Bachelor's degree	17.2%
● Master's degree	2.9%
● Doctoral or professional degree	0.8%

## Occupational Programs



**3 Programs**

Of the programs that can train for this job, 3 have produced completions in the last 5 years.



**67 Completions (2021)**

The completions from all regional institutions for all degree types.



**19 Openings (2021)**

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

CIP Code	Top Programs	Completions (2021)
15.0612	Industrial Technology/Technician	59 <div style="width: 80%;"></div>
15.1503	Packaging Science	6 <div style="width: 8%;"></div>
15.0000	Engineering Technologies/Technicians, General	2 <div style="width: 3%;"></div>

Top Schools	Completions (2021)
California Polytechnic State University-San Luis Obispo	65 <div style="width: 95%;"></div>
Allan Hancock College	2 <div style="width: 3%;"></div>



## Appendix A

### **Engineering Technologists and Technicians, Except Drafters, All Other (SOC 17-3029):**

All engineering technologists and technicians, except drafters, not listed separately.

#### **Sample of Reported Job Titles:**

Welding Technician  
Spectroscopist  
Metallurgical Technician  
Non-Destructive Testing Technician (NDT Technician)  
Non-Destructive Testing Specialist (NDT Specialist)  
Non-Destructive Evaluation Technician (NDE Technician)  
Laser Technician (Laser Tech)  
Photonics Technician  
Ruling Technician

#### **Related O\*NET Occupations:**

Engineering Technologists and Technicians, Except Drafters, All Other (17-3029.00)  
Non-Destructive Testing Specialists (17-3029.01)  
Photonics Technicians (17-3029.08)