

Instrument Technicians* in Imperial County, CA

*Job titles used in government data sources are slightly different from the one you've chosen. This report uses data from the closest matching official classifications (listed below) as a proxy for Instrument Technicians data.

Electrical and Electronic Engineering Technologists and
Technicians

Imperial County Workforce Development Office



2799 South Fourth Street
El Centro, California 92243

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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, 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 Job Title

Instrument Technicians

1 County

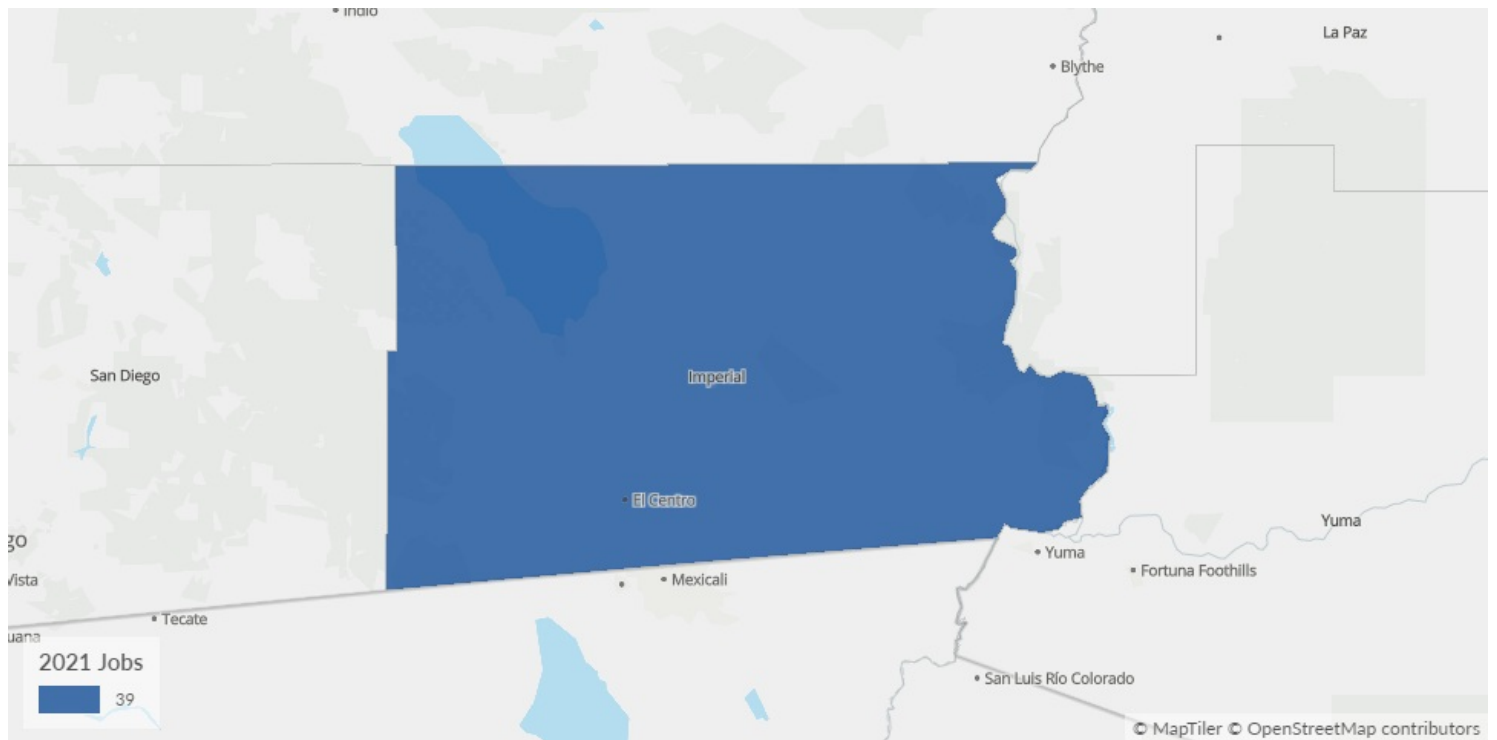
6025 Imperial County, CA

Class of Worker

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

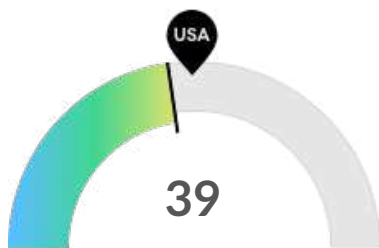
The information in this report pertains to the chosen job title and geographical area.

Workforce Map



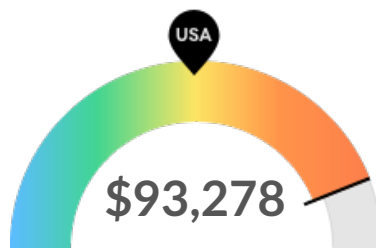
Executive Summary

Light Hiring Competition Over a Thin Supply of Regional Talent



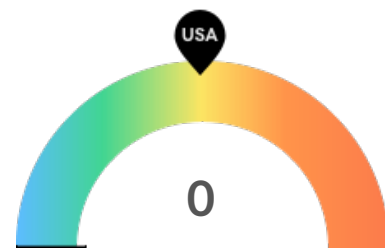
Supply (Jobs)

Imperial County, CA is not a hotspot for this kind of talent. The national average for an area this size is 45* employees, while there are 39 here.



Compensation

The cost for talent is high in Imperial County, CA. The national median salary for Instrument Technicians is \$63,373, while you'll pay \$93,278 here.



Demand (Job Postings)

Reliable competition information is not available in Imperial County, CA because there are too few postings.

*National average values are derived by taking the national value for Instrument Technicians and scaling it down to account for the difference in overall workforce size between the nation and Imperial County, CA. In other words, the values represent the national average adjusted for region size.

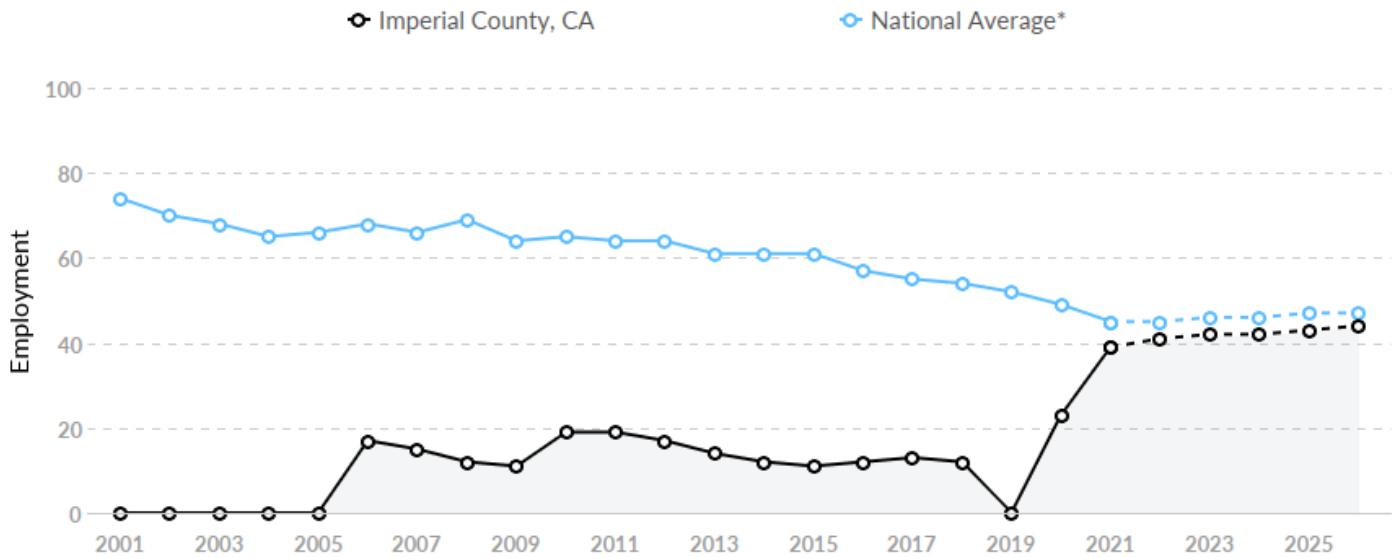
Supply (Jobs)

Supply Is Lower Than the National Average

The regional vs. national average employment helps you understand if the supply of Instrument Technicians is a strength or weakness for Imperial County, CA, and how it is changing relative to the nation. An average area of this size would have 45* employees, while there are 39 here. This lower than expected supply may make it more difficult to find candidates. The gap between expected and actual employment is projected to narrow over the next 5 years.

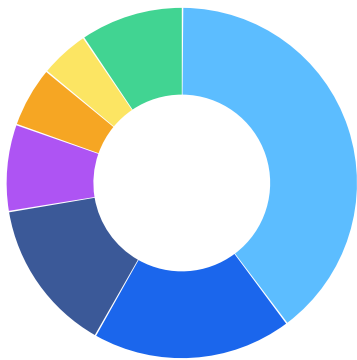
217% Past Growth (2016 - 2021)

12% Projected Growth (2021 - 2026)



*National average values are derived by taking the national value for Instrument Technicians and scaling it down to account for the difference in overall workforce size between the nation and Imperial County, CA. In other words, the values represent the national average adjusted for region size.

Most Jobs are Found in the Federal Government, Civilian Industry Sector



Industry	% of Occupation in Industry (2021)
● Federal Government, Civilian	39.7%
● Local Government, Excluding Education and Hospitals	18.4%
● Architectural, Engineering, and Related Services	14.2%
● Facilities Support Services	8.0%
● Metal Ore Mining	5.6%
● Animal Slaughtering and Processing	4.5%
● Other	9.5%

Place of Work vs Place of Residence

Understanding where talent in Imperial County, CA currently works compared to where talent lives can help you optimize site decisions.



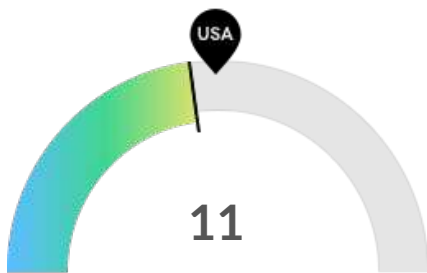
Where Talent Works

County	Name	2021 Employment
6025	Imperial County, CA	39

Where Talent Lives

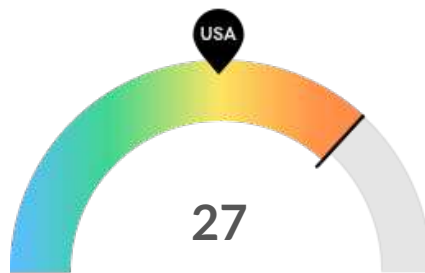
County	Name	2021 Workers
6025	Imperial County, CA	50

Retirement Risk Is Low, While Reliable Diversity Information Is Not Available



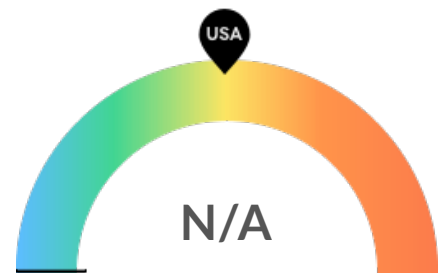
Retiring Soon

Retirement risk is low in Imperial County, CA. The national average for an area this size is 12* employees 55 or older, while there are 11 here.



Racial Diversity

Racial diversity is high in Imperial County, CA. The national average for an area this size is 14* racially diverse employees, while there are 27 here.



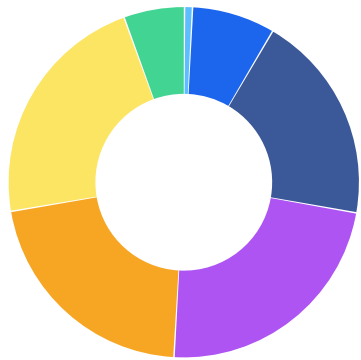
Gender Diversity








Reliable gender diversity information is not available in Imperial County, CA, because there are too few employees.

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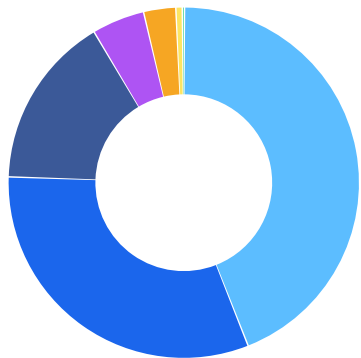
Demographic Details

Occupation Age Breakdown



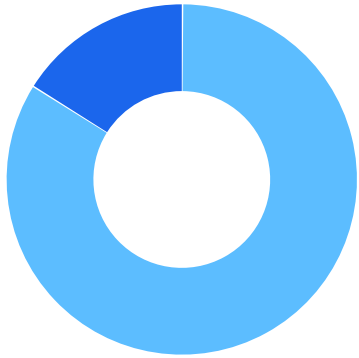
		% of Jobs	Jobs
	14-18	0.7%	0
	19-24	7.7%	3
	25-34	19.3%	8
	35-44	23.1%	9
	45-54	21.4%	8
	55-64	22.1%	9
	65+	5.6%	2

Occupation Race/Ethnicity Breakdown



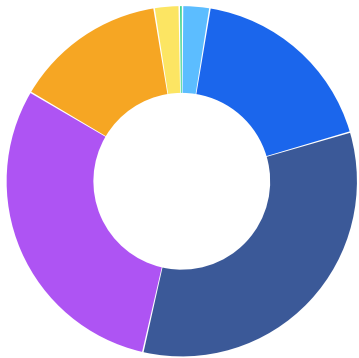
		% of Jobs	Jobs
	Hispanic or Latino	43.9%	17
	White	31.5%	12
	Asian	15.9%	6
	Black or African American	4.9%	2
	Two or More Races	3.0%	1
	American Indian or Alaska Native	0.6%	0
	Native Hawaiian or Other Pacific Islander	0.2%	0

Occupation Gender Breakdown



	% of Jobs	Jobs
● Males	83.8%	33
● Females	16.2%	6

National Educational Attainment

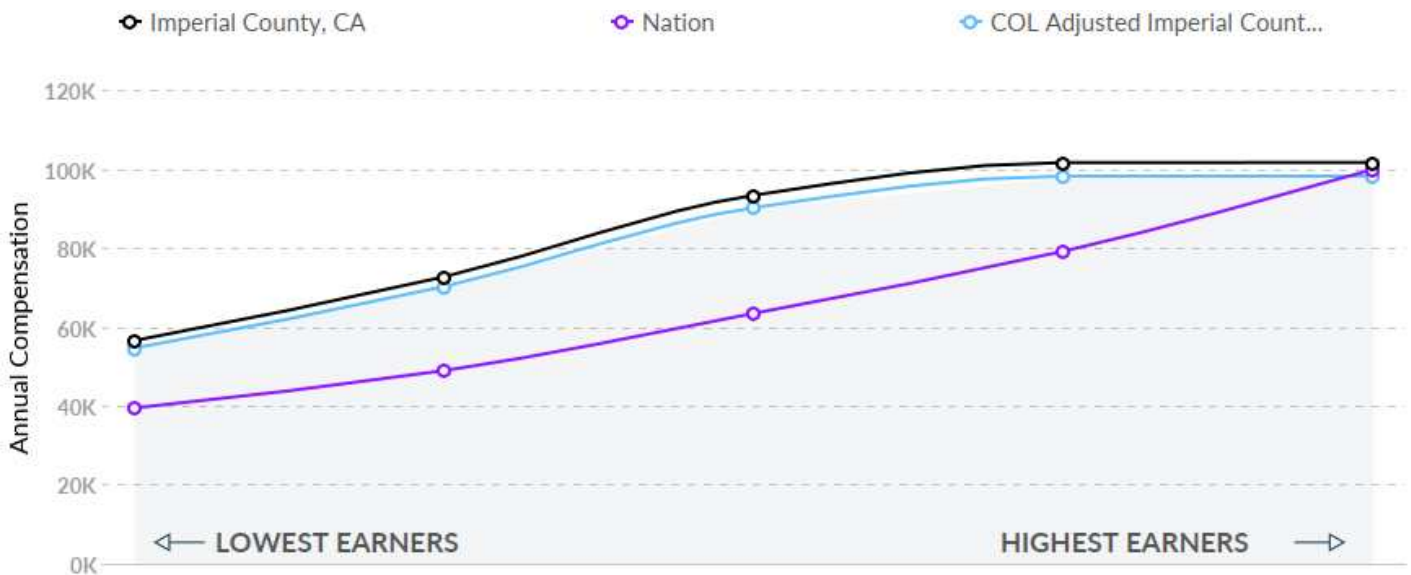


	% of Jobs
● Less than high school diploma	2.5%
● High school diploma or equivalent	17.9%
● Some college, no degree	33.1%
● Associate's degree	29.9%
● Bachelor's degree	14.0%
● Master's degree	2.3%
● Doctoral or professional degree	0.3%

Compensation

Talent Is 47% More Expensive, While the Cost of Living Should Make Attraction Easier

In 2021, the median compensation for Instrument Technicians in Imperial County, CA is \$93,278. Based on the national median wage of \$63,373 for this position, this means you will spend about 47% more to employ Instrument Technicians here. However, their actual purchasing power will be 42% greater than the national median when we adjust for regional cost of living (which is 4% higher than average). This may make it easier to attract talent to the region at this price.



Demand



1 Employers Competing

All employers in the region who posted for this job over the last 12 months.



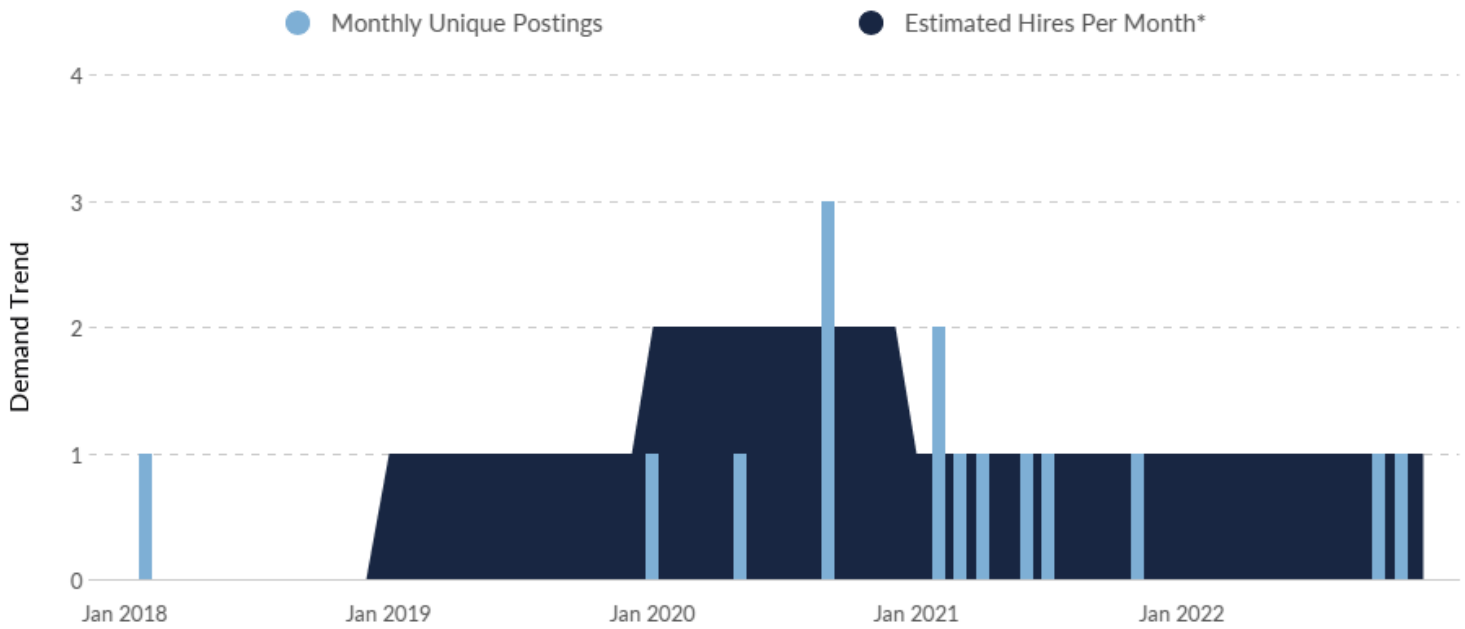
2 Unique Job Postings

The number of unique postings for this job over the last 12 months.



17 Day Median Duration

Posting duration is 7 days shorter than what's typical in the region.



Occupation	Avg Monthly Postings (Jan 2022 - Dec 2022)	Avg Monthly Hires (Jan 2022 - Dec 2022)
Electrical and Electronic Engineering Technologists and Technicians	0	1

*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.

Not enough data to show the Top Companies section.

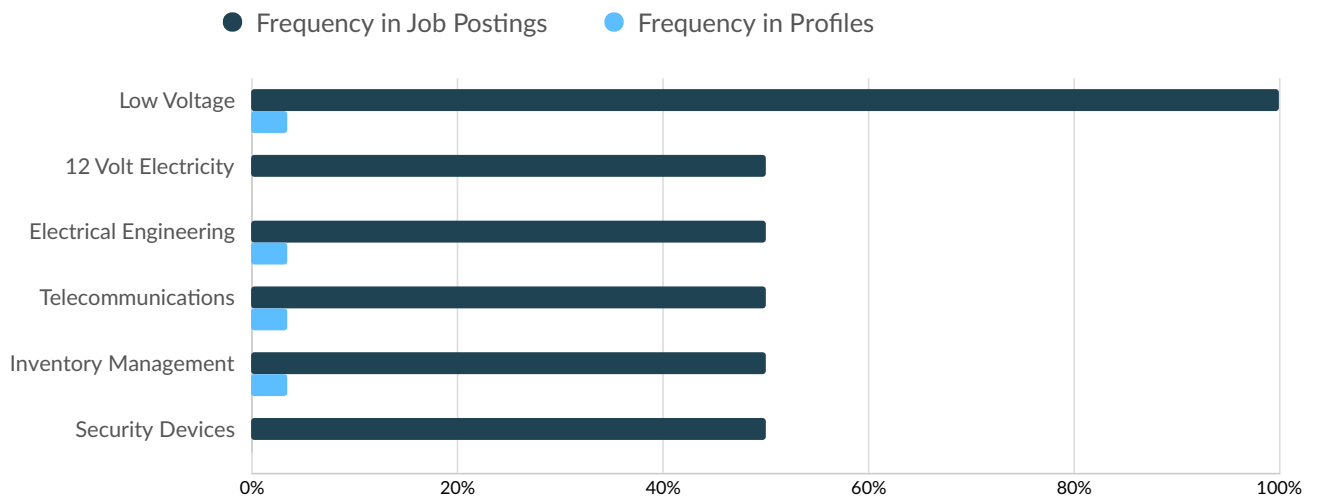
Top Job Titles

Unique Postings

Low Voltage Technicians

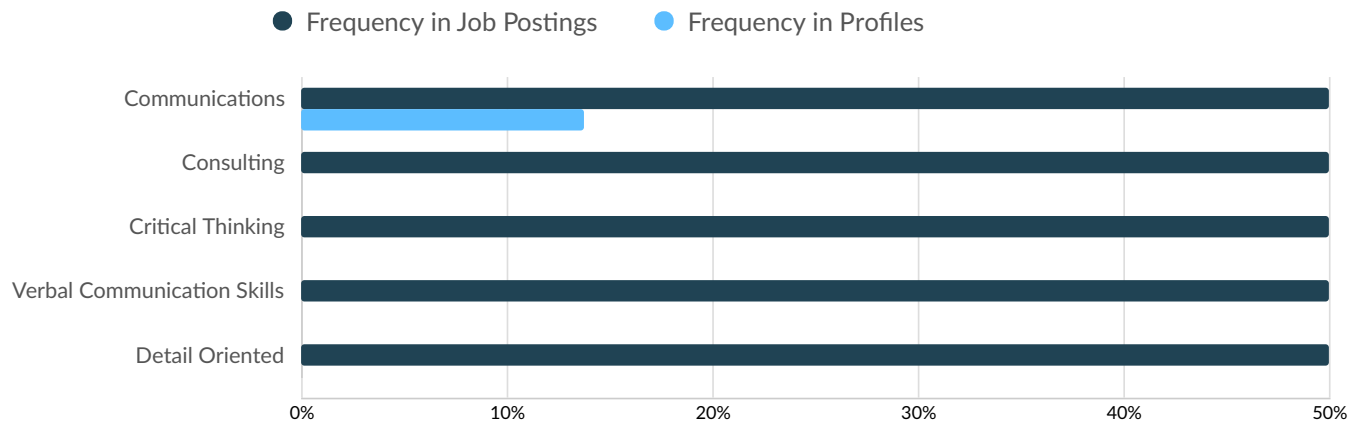
2

Top Specialized Skills



Skills	Postings	% of Total Postings	Profiles	% of Total Profiles
Low Voltage	2	100%	1	3%
12 Volt Electricity	1	50%	0	0%
Electrical Engineering	1	50%	1	3%
Telecommunications	1	50%	1	3%
Inventory Management	1	50%	1	3%
Security Devices	1	50%	0	0%

Top Common Skills

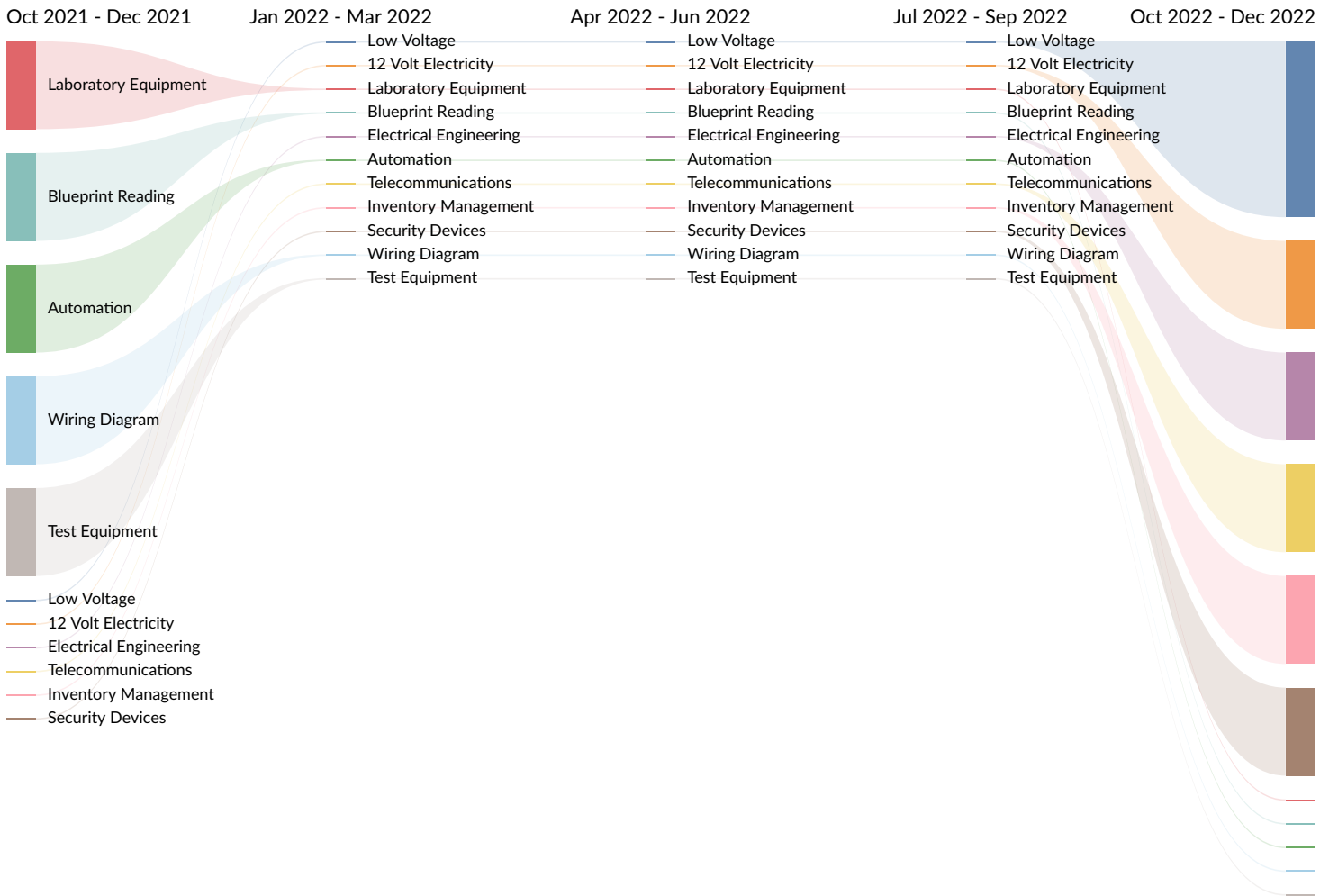


Skills	Postings	% of Total Postings	Profiles	% of Total Profiles
Communications	1	50%	4	14%
Consulting	1	50%	0	0%
Critical Thinking	1	50%	0	0%
Verbal Communication Skills	1	50%	0	0%
Detail Oriented	1	50%	0	0%

What skills are they posting for?

Top 11 Skills for Electrical and Electronic Engineering Technologists and Technicians by Quarter

Skills help us understand the direction an occupation is headed.



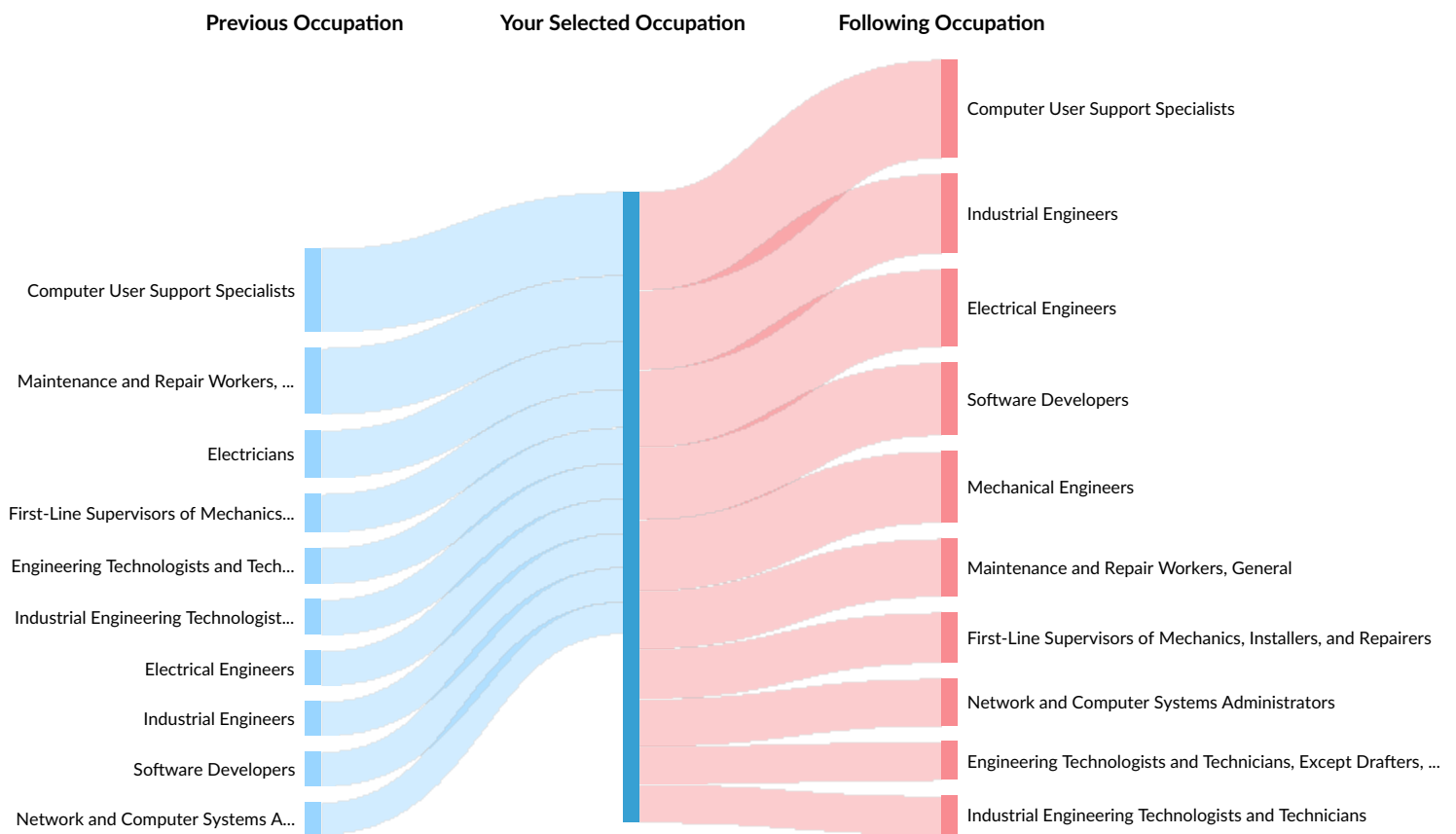
Occupation Gain and Drain

Occupation Gain and Drain

The table below analyzes the profiles of current and past people in your selected occupation. The left column shows job transitions from other occupations to your selected occupation. The right column shows job transitions from your selected occupation to other occupations.

Please note, results are only available at the national level and the 2 and 5 digit SOC level. Other SOC levels will be aggregated up to the 2-digit SOC.

The following represents the job transitions of employees in your selected occupation in the United States:



Previous Occupations	Transitions
Computer User Support Specialists	2,435
Maintenance and Repair Workers, General	1,929
Electricians	1,390

Previous Occupations	Transitions
First-Line Supervisors of Mechanics, Installers, and Repairers	1,115
Engineering Technologists and Technicians, Except Drafters, All Other	1,037
Industrial Engineering Technologists and Technicians	1,029
Electrical Engineers	1,006
Industrial Engineers	1,004
Software Developers	1,002
Network and Computer Systems Administrators	923
Mechanical Engineers	888
First-Line Supervisors of Production and Operating Workers	886
Automotive Service Technicians and Mechanics	725
Life, Physical, and Social Science Technicians, All Other	699
Inspectors, Testers, Sorters, Samplers, and Weighers	665
Managers, All Other	637
First-Line Supervisors of Office and Administrative Support Workers	589
Avionics Technicians	578
Retail Salespersons	567
Electrical and Electronics Repairers, Commercial and Industrial Equipment	532
Customer Service Representatives	529
Chief Executives	519
General and Operations Managers	511
Postsecondary Teachers	482
Electronics Engineers, Except Computer	438
Architectural and Engineering Managers	398
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	398

Previous Occupations	Transitions
Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	384
Software Quality Assurance Analysts and Testers	382
Mechanical Engineering Technologists and Technicians	380
Computer Occupations, All Other	374
Miscellaneous Assemblers and Fabricators	364
Stockers and Order Fillers	354
Electro-Mechanical and Mechatronics Technologists and Technicians	352
Telecommunications Equipment Installers and Repairers, Except Line Installers	349
Engineers, All Other	328
Business Operations Specialists, All Other	316
Industrial Machinery Mechanics	304
Teaching Assistants, Postsecondary	294
Clinical Laboratory Technologists and Technicians	277
Environmental Science and Protection Technicians, Including Health	267
Biological Technicians	259
First-Line Supervisors of Construction Trades and Extraction Workers	259
Security Guards	253
Laborers and Freight, Stock, and Material Movers, Hand	249
Teaching Assistants, Except Postsecondary	245
Computer Systems Analysts	244
Social and Human Service Assistants	233
Computer and Information Systems Managers	229
Audio and Video Technicians	217

Following Occupations	Transitions
Computer User Support Specialists	2,857
Industrial Engineers	2,323
Electrical Engineers	2,261
Software Developers	2,106
Mechanical Engineers	2,084
Maintenance and Repair Workers, General	1,688
First-Line Supervisors of Mechanics, Installers, and Repairers	1,462
Network and Computer Systems Administrators	1,376
Engineering Technologists and Technicians, Except Drafters, All Other	1,113
Industrial Engineering Technologists and Technicians	1,111
First-Line Supervisors of Production and Operating Workers	1,046
Electricians	960
Electronics Engineers, Except Computer	923
Engineers, All Other	869
Automotive Service Technicians and Mechanics	787
First-Line Supervisors of Office and Administrative Support Workers	674
Life, Physical, and Social Science Technicians, All Other	650
Inspectors, Testers, Sorters, Samplers, and Weighers	627
General and Operations Managers	609
Electrical and Electronics Repairers, Commercial and Industrial Equipment	587
Chief Executives	585
Managers, All Other	565
Software Quality Assurance Analysts and Testers	562
Postsecondary Teachers	553

Following Occupations	Transitions
Computer Systems Analysts	497
Computer Occupations, All Other	491
Customer Service Representatives	491
Mechanical Engineering Technologists and Technicians	471
Electro-Mechanical and Mechatronics Technologists and Technicians	439
Business Operations Specialists, All Other	434
Architectural and Engineering Managers	431
Project Management Specialists	394
Avionics Technicians	377
Computer Hardware Engineers	361
Teaching Assistants, Postsecondary	348
Civil Engineers	347
Management Analysts	325
Information Security Analysts	317
Retail Salespersons	311
Sales Engineers	300
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	278
First-Line Supervisors of Construction Trades and Extraction Workers	275
Environmental Science and Protection Technicians, Including Health	267
Industrial Machinery Mechanics	266
Market Research Analysts and Marketing Specialists	255
Logisticians	253
Telecommunications Equipment Installers and Repairers, Except Line Installers	250

Following Occupations	Transitions
Biological Technicians	245
Miscellaneous Assemblers and Fabricators	242
Teaching Assistants, Except Postsecondary	239

Graduate Pipeline



4 Programs

17 programs can train for this job, while only 4 programs have produced completers in this region.



3 Completions (2021)

The completions from all regional institutions for all degree types.



5 Openings (2021)

The average number of openings for an occupation in the region is 12.

Top Programs	Completions (2021)
Industrial Electronics Technolog...	2
Telecommunications Technology...	1

Top Schools	Completions (2021)
Imperial Valley College	3