



Drafters, Engineering Technicians, and Mapping Technicians in San Diego-Chula Vista-Carlsbad, CA

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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 Occupation

17-3000 Drafters, Engineering Technicians, and Mapping Technicians

1 MSA

41740 San Diego-Chula Vista-Carlsbad, CA

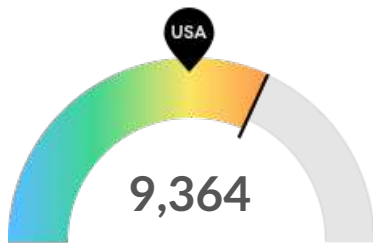
Class of Worker

QCEW Employees

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

Executive Summary

Aggressive Job Posting Demand Over a Deep Supply of Regional Jobs



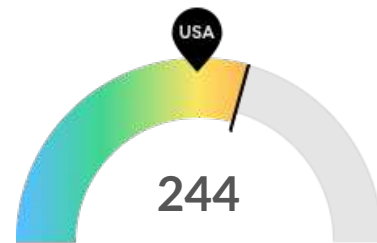
Jobs (2023)

San Diego-Chula Vista-Carlsbad, CA is a hotspot for this kind of job. The national average for an area this size is 6,402* employees, while there are 9,364 here.



Compensation

Earnings are high in San Diego-Chula Vista-Carlsbad, CA. The national median salary for Drafters, Engineering Technicians, and Mapping Technicians is \$63,879, compared to \$74,811 here.



Job Posting Demand

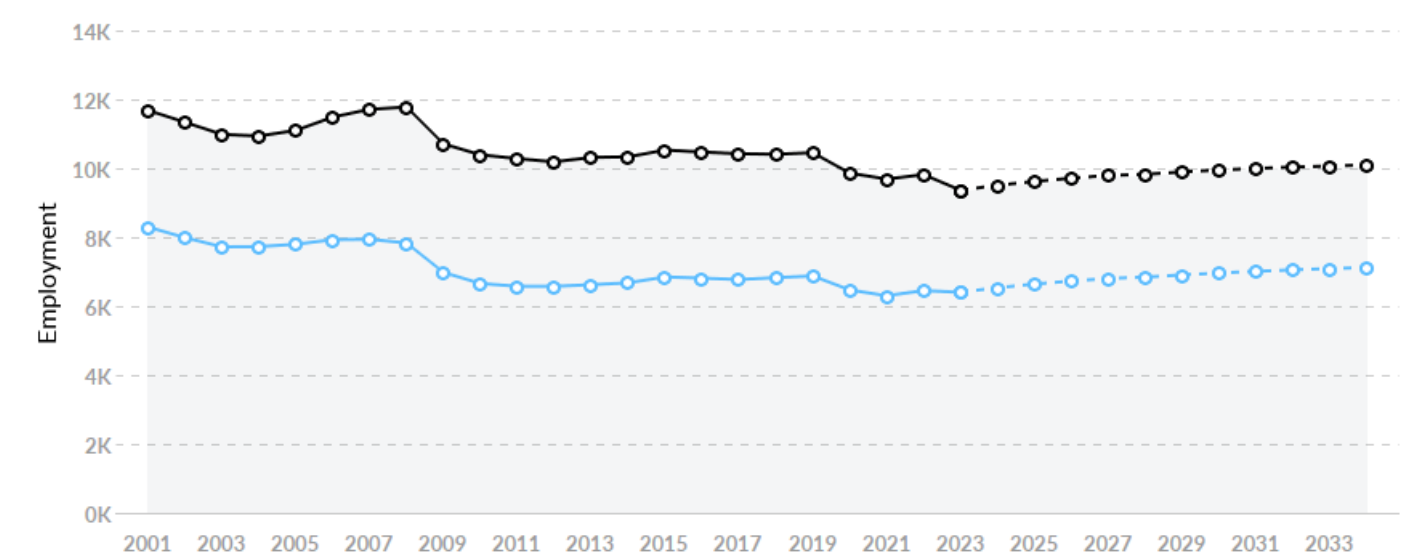
Job posting activity is high in San Diego-Chula Vista-Carlsbad, CA. The national average for an area this size is 191* job postings/mo, while there are 244 here.

*National average values are derived by taking the national value for Drafters, Engineering Technicians, and Mapping Technicians and scaling it down to account for the difference in overall workforce size between the nation and San Diego-Chula Vista-Carlsbad, CA. In other words, the values represent the national average adjusted for region size.

Jobs

Regional Employment Is Higher Than the National Average

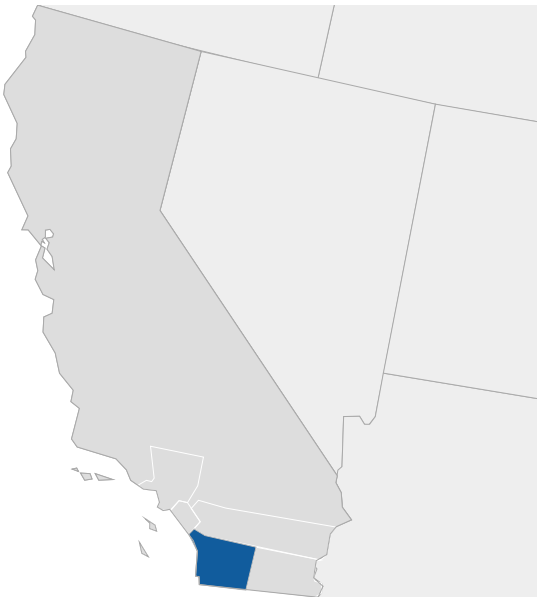
An average area of this size typically has 6,402* jobs, while there are 9,364 here. This higher than average supply of jobs may make it easier for workers in this field to find employment in your area.



	Region	2023 Jobs	2024 Jobs	Change	% Change
●	San Diego-Chula Vista-Carlsbad, CA	9,364	9,506	142	1.5%
●	National Average	6,402	6,534	132	2.1%

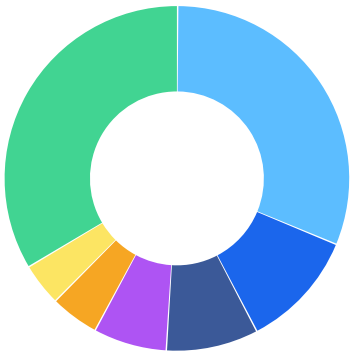
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Regional Breakdown



County	2023 Jobs
San Diego County, CA	9,364

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

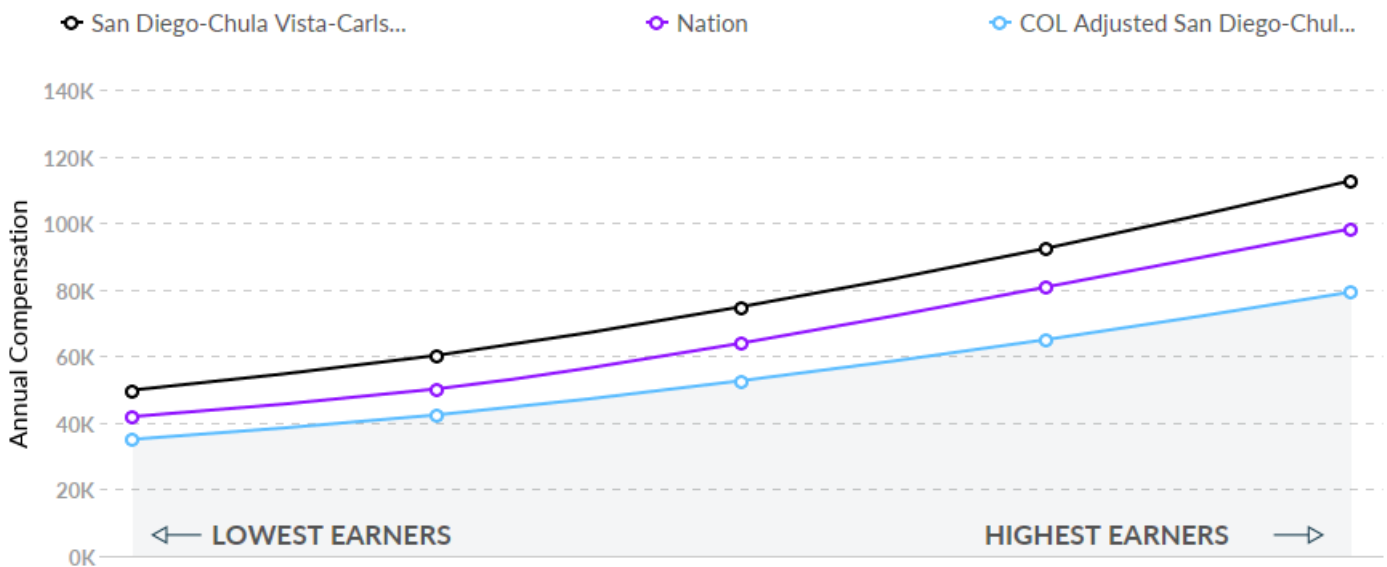


Industry	% of Occupation in Industry (2023)
Architectural, Engineering, and Related Services	31.2%
Scientific Research and Development Services	11.1%
Navigational, Measuring, Electromedical, and Control Instruments Manufacturing	8.7%
Federal Government, Civilian	6.9%
Semiconductor and Other Electronic Component Manufacturing	4.6%
Aerospace Product and Parts Manufacturing	4.0%
Other	33.6%

Compensation

Regional Compensation Is 17% Higher Than National Compensation

For Drafters, Engineering Technicians, and Mapping Technicians, the 2023 median wage in San Diego-Chula Vista-Carlsbad, CA is \$74,811, while the national median wage is \$63,879.



Job Posting Activity



4,149 Unique Job Postings

The number of unique postings for this job from Jan 2023 to May 2024.



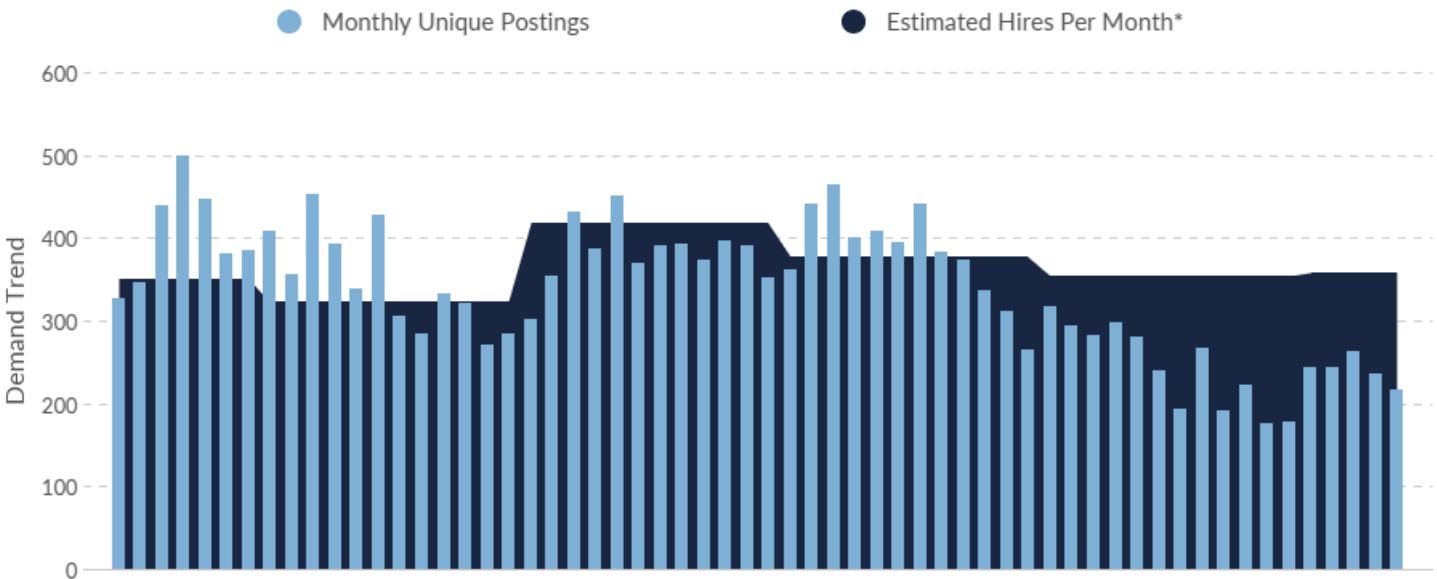
1,143 Employers Competing

All employers in the region who posted for this job from Jan 2023 to May 2024.



28 Day Median Duration

Posting duration is 1 day shorter than what's typical in the region.



Occupation	Avg Monthly Postings (Jan 2023 - May 2024)	Avg Monthly Hires (Jan 2023 - May 2024)
Drafters, Engineering Technicians, and Mapping Technicians	244	355

*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	
Actalent		277	<div></div>	Engineering Technicians		403	<div></div>
Aerotek		181	<div></div>	Manufacturing Technicians		359	<div></div>
Randstad		65	<div></div>	Test Technicians		164	<div></div>
General Atomics		61	<div></div>	Calibration Technicians		129	<div></div>
Northrop Grumman		45	<div></div>	Production Technicians		114	<div></div>
GPAC		42	<div></div>	Architectural Designers		68	<div></div>
Volt		40	<div></div>	Electrical Technicians		60	<div></div>
City Of San Diego		38	<div></div>	Civil Designers		59	<div></div>
General Dynamics		38	<div></div>	Electrical Designers		58	<div></div>
Epsilon Systems		34	<div></div>	Drafters		56	<div></div>

Top Distinguishing Skills by Demand

Not enough data to display Distinguishing Skills for this occupation.

Top Defining Skills by Demand

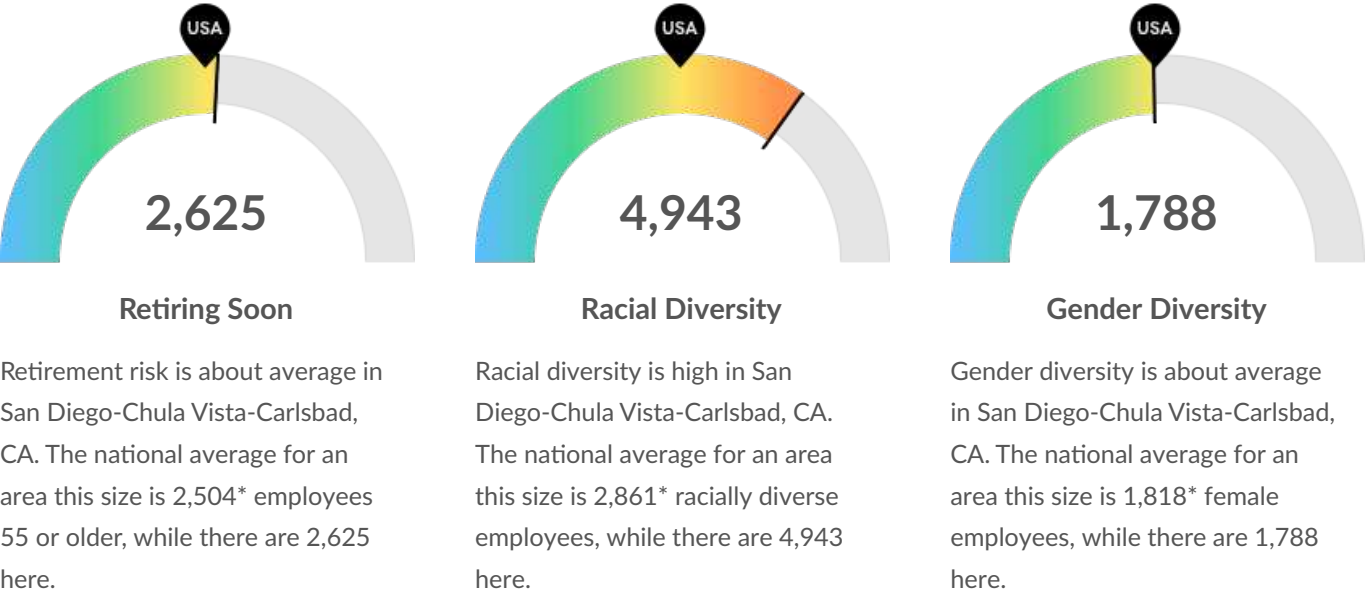
Not enough data to display Defining Skills for this occupation.

Top Necessary Skills by Demand

Not enough data to display Necessary Skills for this occupation.

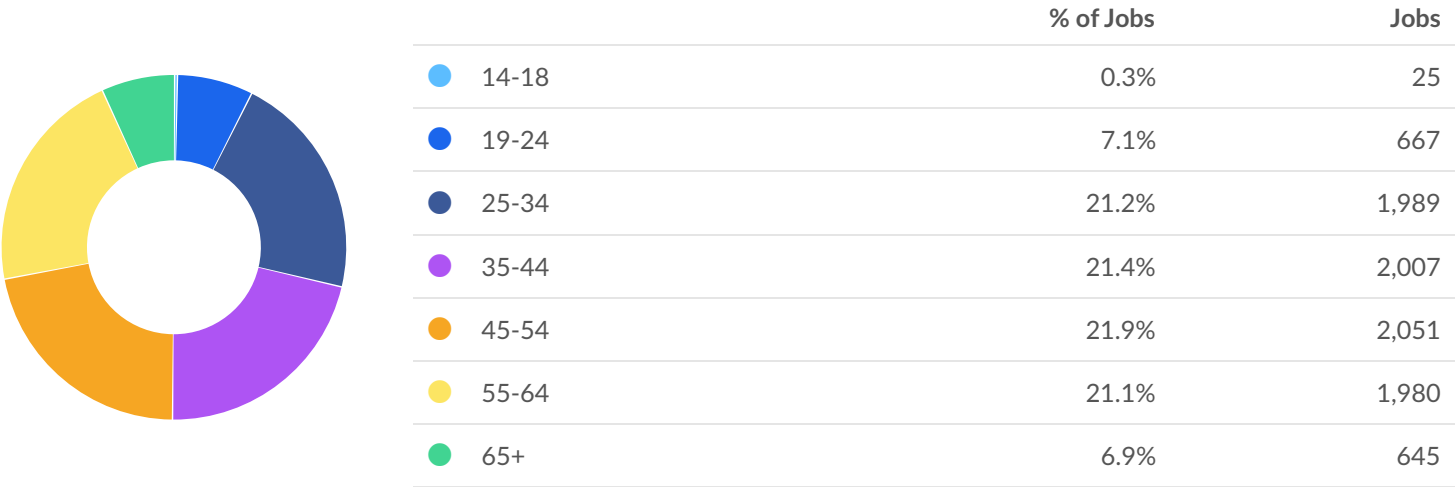
Demographics

Retirement Risk Is About Average, While Overall Diversity Is High

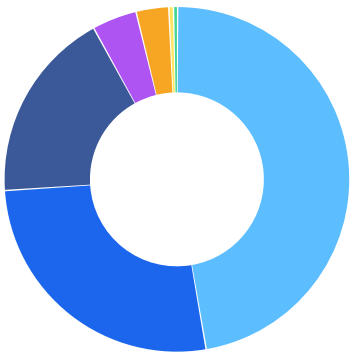


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Occupation Age Breakdown

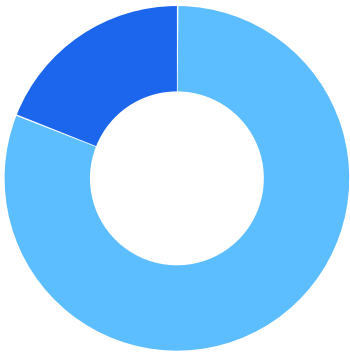


Occupation Race/Ethnicity Breakdown



	% of Jobs	Jobs
White	47.2%	4,421
Hispanic or Latino	26.7%	2,498
Asian	18.0%	1,688
Black or African American	4.2%	393
Two or More Races	3.1%	286
Native Hawaiian or Other Pacific Islander	0.4%	41
American Indian or Alaska Native	0.4%	36

Occupation Gender Breakdown



	% of Jobs	Jobs
Males	80.9%	7,576
Females	19.1%	1,788

Occupational Programs



34 Programs

Of the programs that can train for this job, 34 have produced completions in the last 5 years.



1,458 Completions (2023)

The completions from all regional institutions for all degree types.



1,006 Openings (2023)

The average number of openings for an occupation in the region is 256.

CIP Code	Top Programs	Completions (2023)	
40.0501	Chemistry, General	343	<div></div>
14.0201	Aerospace, Aeronautical, and Astronautical/Space Engineer...	220	<div></div>
15.1202	Computer/Computer Systems Technology/Technician	189	<div></div>
15.0401	Biomedical Technology/Technician	168	<div></div>
04.0902	Architectural and Building Sciences/Technology	68	<div></div>
45.0701	Geography	68	<div></div>
46.0415	Building Construction Technology/Technician	63	<div></div>
15.1301	Drafting and Design Technology/Technician, General	46	<div></div>
04.0901	Architectural Technology/Technician	44	<div></div>
11.0102	Artificial Intelligence	35	<div></div>

Top Schools	Completions (2023)	
San Diego State University	287	<div></div>
University of California-San Diego	280	<div></div>
California Institute of Arts & Technology	148	<div></div>
San Diego Miramar College	135	<div></div>
MiraCosta College	124	<div></div>
Palomar College	79	<div></div>
Newschool of Architecture and Design	71	<div></div>
CET-San Diego	63	<div></div>
University of San Diego	45	<div></div>
Southwestern College	38	<div></div>

Appendix A

Drafters, Engineering Technicians, and Mapping Technicians in San Diego-Chula Vista-Carlsbad, CA

Appendix B - Data Sources and Calculations

Location Quotient

Location quotient (LQ) is a way of quantifying how concentrated a particular industry, cluster, occupation, or demographic group is in a region as compared to the nation. It can reveal what makes a particular region unique in comparison to the national average.

Occupation Data

Emsi occupation employment data are based on final Emsi industry data and final Emsi 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 are also affected by county-level Emsi earnings by industry.

Staffing Patterns Data

The staffing pattern data in this report are compiled from several sources using a specialized process. For QCEW and Non-QCEW Employees classes of worker, sources include Occupational Employment Statistics, the National Industry-Occupation Employment Matrix, and the American Community Survey. For the Self-Employed and Extended Proprietors classes of worker, the primary source is the American Community Survey, with a small amount of information from Occupational Employment Statistics.

Cost of Living Data

Lightcast's cost of living data is based on the Cost of Living Index published by the Council for Community and Economic Research (C2ER).

Lightcast Job Postings

Job postings are collected from various sources and processed/enriched to provide information such as standardized company name, occupation, skills, and geography.

Institution Data

The institution data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.