4 Occupations
in San Diego-Chula Vista-Carlsbad, CA

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

4 Occupations

15-1212	Information Security Analysts
15-1299	Computer Occupations, All Other

11-3021	Computer and Information Systems Managers
15-1244	Network and Computer Systems Administrators

1 MSA

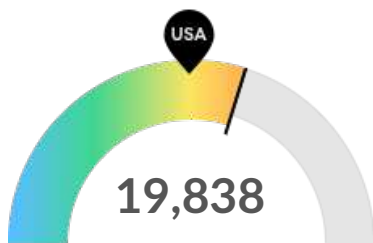|	
41740	San Diego-Chula Vista-Carlsbad, CA

Class of Worker

QCEW Employees

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

Executive Summary

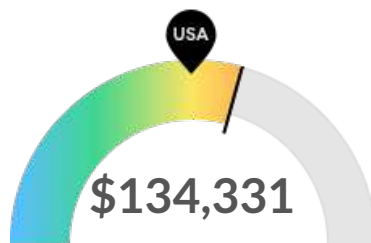## Aggressive Job Posting Demand Over a Deep Supply of Regional Jobs

19,838	**$134,331**	**641**
Jobs (2023)	**Compensation**	**Job Posting Demand**

San Diego-Chula Vista-Carlsbad, CA is a hotspot for this kind of job. The national average for an area this size is 15,153* employees, while there are 19,838 here.

Earnings are about average in San Diego-Chula Vista-Carlsbad, CA. The national median salary for your occupations is $126,343, compared to $134,331 here.
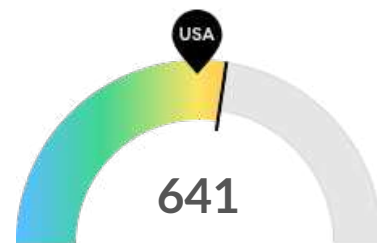
Job posting activity is high in San Diego-Chula Vista-Carlsbad, CA. The national average for an area this size is 560* job postings/mo, while there are 641 here.

*National average values are derived by taking the national value for your occupations 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 15,153* jobs, while there are 19,838 here. This higher than average supply of jobs may make it easier for workers in this field to find employment in your area.
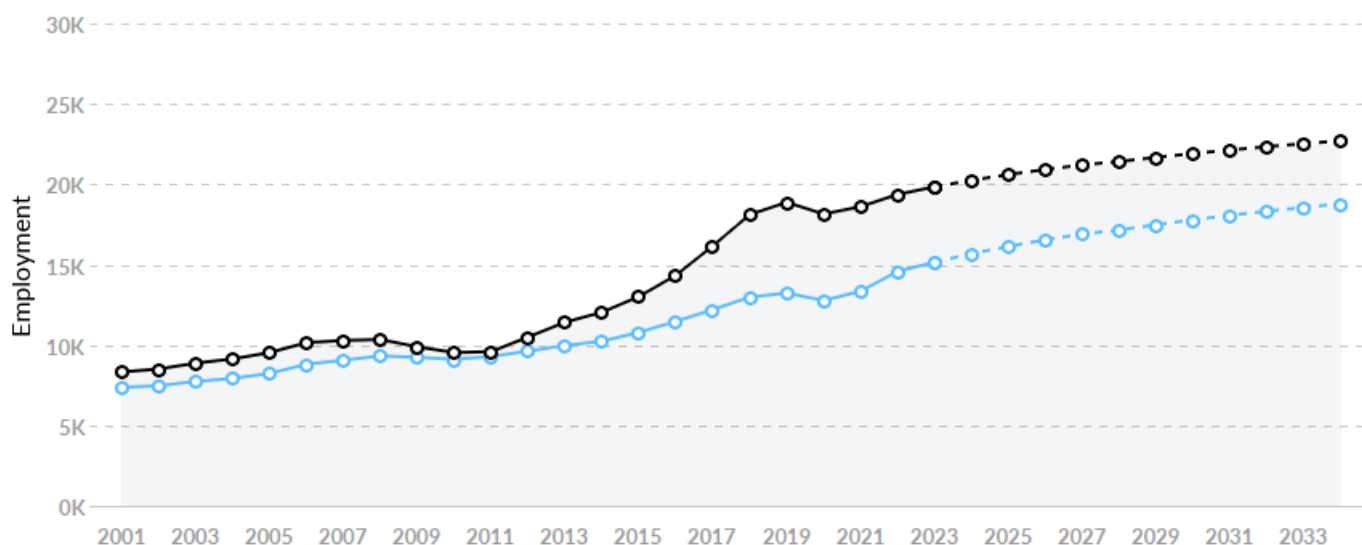
	Region	2023 Jobs	2024 Jobs	Change	% Change
●	San Diego-Chula Vista-Carlsbad, CA	19,838	20,245	407	2.1%
●	National Average	15,153	15,681	528	3.5%

*National average values are derived by taking the national value for your occupations 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.

Regional Breakdown
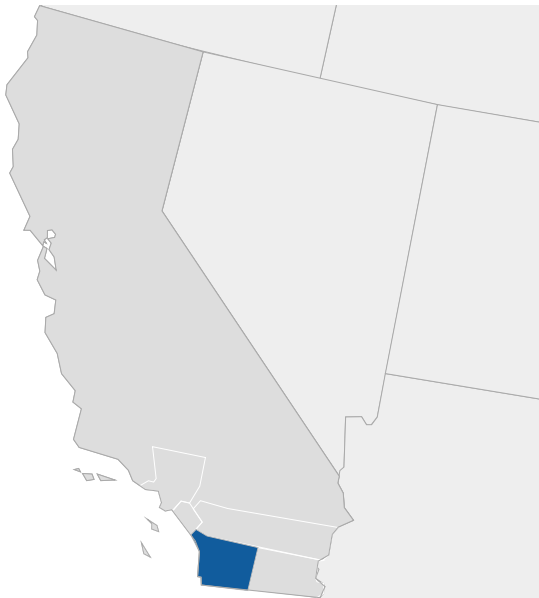
County	2023 Jobs
San Diego County, CA	19,838

Most Jobs are Found in the Computer Systems Design and Related Services Industry Sector

Industry	% of Occupation in Industry (2023)
● Computer Systems Design and Related Services	14.5%
● Federal Government, Civilian	13.8%
● Scientific Research and Development Services	8.7%
● Management of Companies and Enterprises	5.9%
● Management, Scientific, and Technical Consulting Services	5.3%
● Architectural, Engineering, and Related Services	3.1%
● Other	48.7%

Compensation

Regional Compensation Is 6% Higher Than National Compensation

For your occupations, the 2023 median wage in San Diego-Chula Vista-Carlsbad, CA is $134,331, while the national median wage is $126,343.
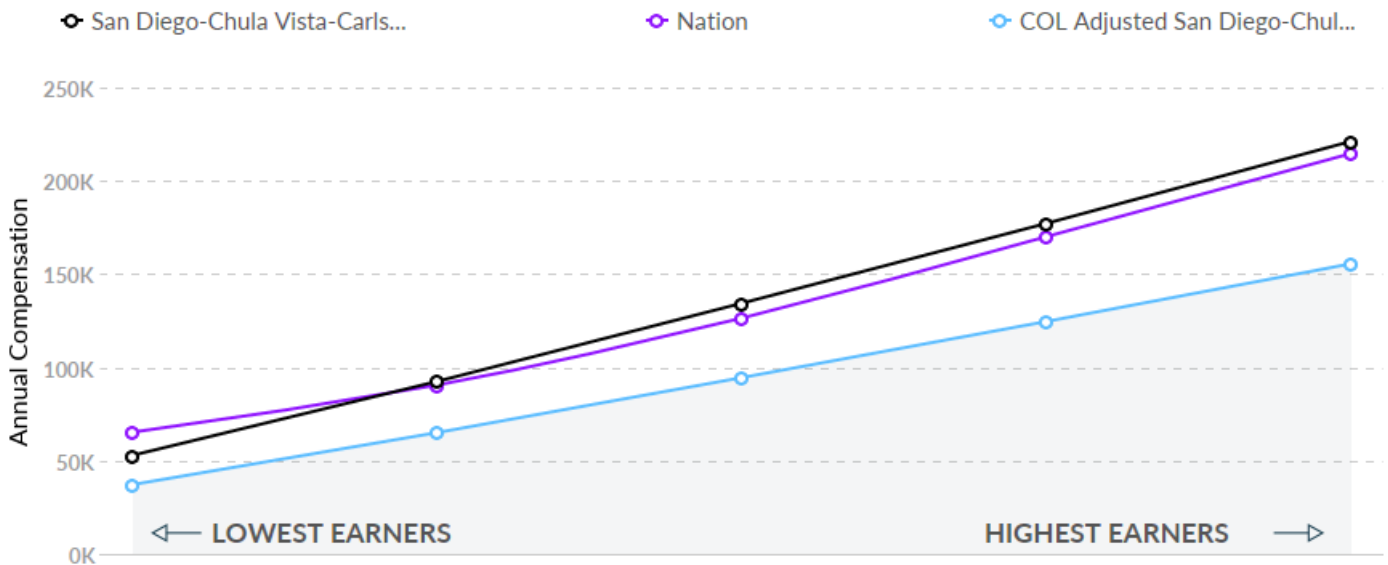
Job Posting Activity

11,530 Unique Job Postings

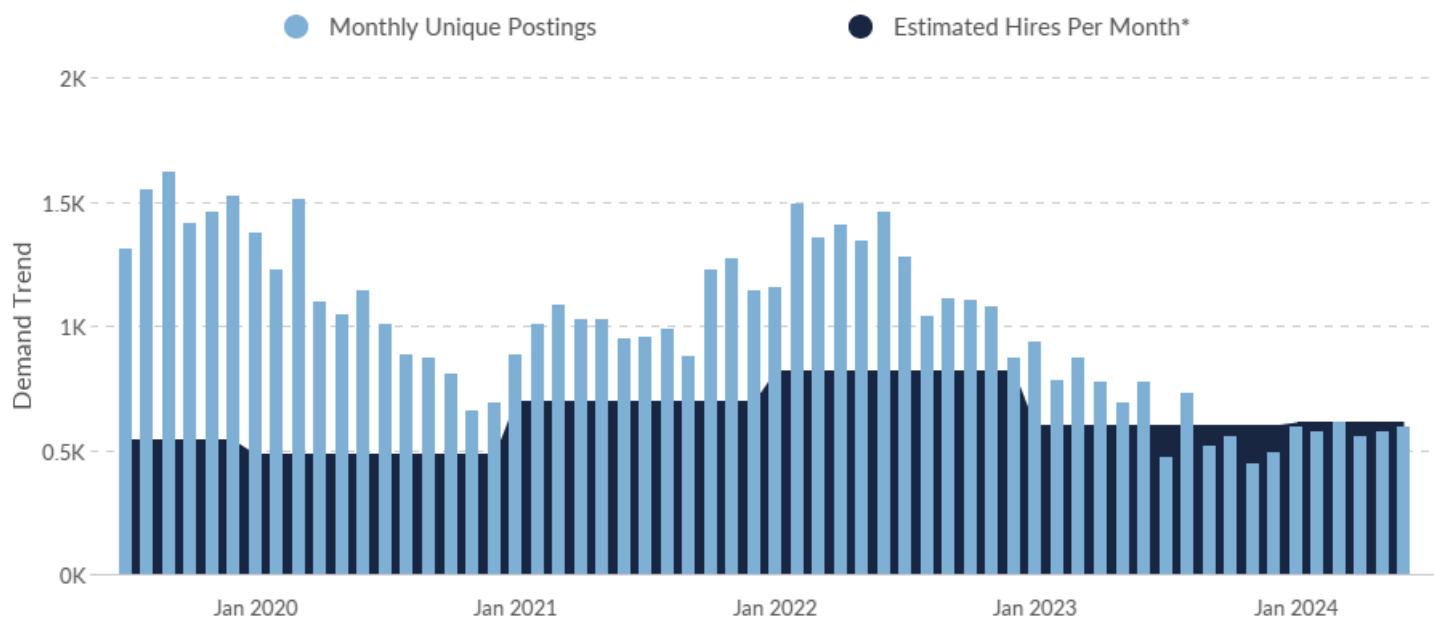The number of unique postings for this job from Jan 2023 to Jun 2024.

2,415 Employers Competing

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

27 Day Median Duration

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

*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.

Occupation	Avg Monthly Postings (Jan 2023 - Jun 2024)	Avg Monthly Hires (Jan 2023 - Jun 2024)
Computer Occupations, All Other	512	274
Network and Computer Systems Administrators	76	69
Information Security Analysts	34	58
Computer and Information Systems Managers	18	204

Top Companies	Unique Postings		Top Job Titles	Unique Postings	
Apple	325	▬▬	Systems Engineers	778	▬▬▬▬
Leidos	280	▬▬	Systems Administrators	296	▬
Northrop Grumman	237	▬	Firmware Engineers	255	▬
Booz Allen Hamilton	227	▬	Cybersecurity Engineers	164	▪
Deloitte	222	▬	Principal Systems Engineers	138	▪
Accenture	183	▬	IT Project Managers	121	▪
General Atomics	182	▬	IT Managers	114	▪
SAIC	158	▪	Document Control Specialists	111	▪
Qualcomm	152	▪	Scrum Masters	107	▪
BAE Systems	141	▪	Cloud Engineers	91	▪

Top Distinguishing Skills by Demand

Not enough data to display Distinguishing Skills for this occupation.

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.
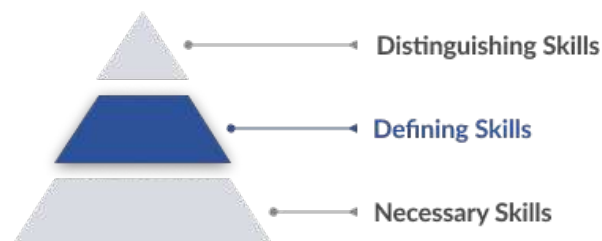
Distinguishing Skills

Defining Skills

Necessary Skills

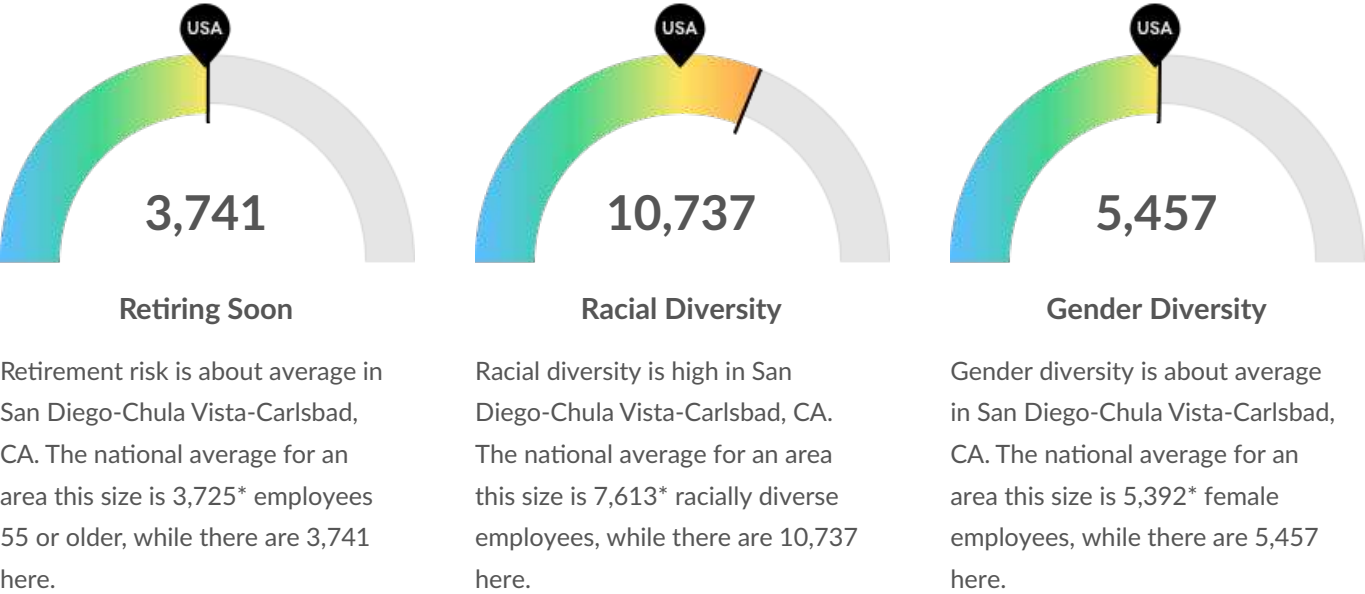| Skill	Salary Boosting	Job Postings Requesting	Projected Growth	Growth Relative to Market
Computer Science	✓	2,997	+26.8%	Rapidly Growing
Systems Engineering	✗	2,479	+20.9%	Rapidly Growing
Project Management	✗	2,087	+19.8%	Rapidly Growing
Agile Methodology	✓	1,677	+19.8%	Rapidly Growing
Cyber Security	✗	1,673	+14.2%	Growing
Python (Programming Language)	✗	1,538	+24.5%	Rapidly Growing
Linux	✗	1,537	+8.9%	Growing
Operating Systems	✗	1,448	+22.6%	Rapidly Growing
Scripting	✗	1,202	+7.9%	Stable
Information Systems	✗	1,134	+21.6%	Rapidly Growing

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.
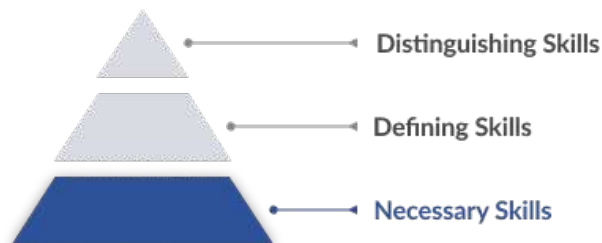
Distinguishing Skills

Defining Skills

Necessary Skills

Skill	Salary Boosting	Job Postings Requesting	Projected Growth	Growth Relative to Market
Systems Engineering	✗	2,479	+20.9%	Rapidly Growing
Project Management	✗	2,087	+19.8%	Rapidly Growing
Agile Methodology	✓	1,677	+19.8%	Rapidly Growing
Cyber Security	✗	1,673	+14.2%	Growing
Secret Clearance	✗	1,604	-1.8%	Lagging
Python (Programming Language)	✗	1,538	+24.5%	Rapidly Growing
Linux	✗	1,537	+8.9%	Growing
Operating Systems	✗	1,448	+22.6%	Rapidly Growing
Automation	✗	1,438	+30.5%	Rapidly Growing
Security Clearance	✗	1,282	+1.5%	Lagging

Demographics

Retirement Risk Is About Average, While Overall Diversity Is High

3,741	**10,737**	**5,457**
Retiring Soon	**Racial Diversity**	**Gender Diversity**

Retirement risk is about average in San Diego-Chula Vista-Carlsbad, CA. The national average for an area this size is 3,725* employees 55 or older, while there are 3,741 here.

Racial diversity is high in San Diego-Chula Vista-Carlsbad, CA. The national average for an area this size is 7,613* racially diverse employees, while there are 10,737 here.

Gender diversity is about average in San Diego-Chula Vista-Carlsbad, CA. The national average for an area this size is 5,392* female employees, while there are 5,457 here.
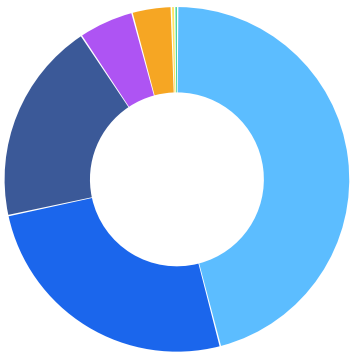
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Occupation Age Breakdown

	% of Jobs	Jobs
14-18	0.1%	29
19-24	4.2%	833
25-34	21.8%	4,331
35-44	30.0%	5,943
45-54	25.0%	4,960
55-64	15.5%	3,068
65+	3.4%	672
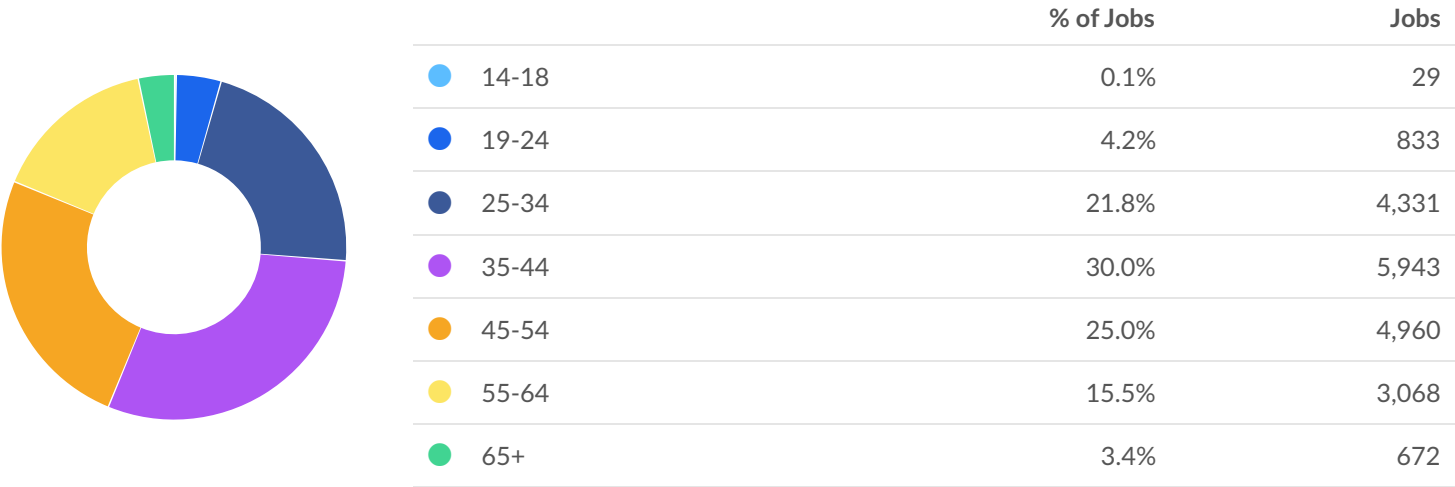
Occupation Race/Ethnicity Breakdown

	% of Jobs	Jobs
White	45.9%	9,101
Asian	25.7%	5,095
Hispanic or Latino	19.0%	3,775
Black or African American	5.1%	1,021
Two or More Races	3.7%	729
Native Hawaiian or Other Pacific Islander	0.3%	62
American Indian or Alaska Native	0.3%	54

Occupation Gender Breakdown
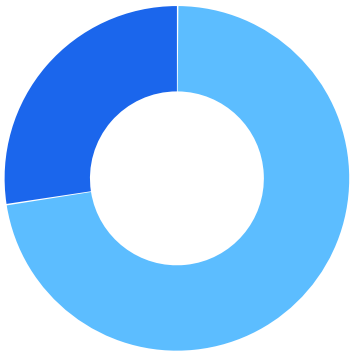
	% of Jobs	Jobs
Males	72.5%	14,381
Females	27.5%	5,457

Occupational Programs

64 Programs

Of the programs that can train for this job, 64 have produced completions in the last 5 years.

16,027 Completions (2023)

The completions from all regional institutions for all degree types.

1,628 Openings (2023)

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

CIP Code	Top Programs	Completions (2023)	
52.0201	Business Administration and Management, General	7,463	
11.0701	Computer Science	1,867	
52.0299	Business Administration, Management and Operations, Oth…	922	
43.0104	Criminal Justice/Safety Studies	731	
11.0103	Information Technology	420	
11.1003	Computer and Information Systems Security/Auditing/Infor…	391	
14.0901	Computer Engineering, General	385	
52.1399	Management Sciences and Quantitative Methods, Other	356	
30.0801	Mathematics and Computer Science	288	
03.0103	Environmental Studies	226	

Top Schools	Completions (2023)	
Ashford University	3,372	
San Diego State University	3,323	
University of California-San Diego	2,465	
California State University-San Marcos	802	
National University	781	
University of San Diego	731	
Grossmont College	721	
Palomar College	714	
MiraCosta College	463	
San Diego Mesa College	398	

Appendix A - 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.