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

Contents

What is Emsi Data?

Emsi 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.

Emsi 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

15-1299   Computer Occupations, All Other

1 MSA

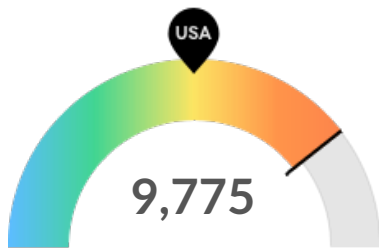41740   San Diego-Chula Vista-Carlsbad, CA

Class of Worker

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

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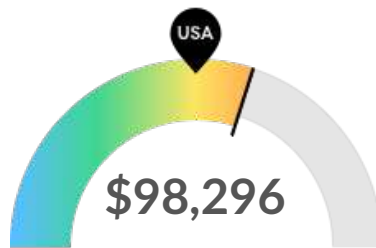
Executive Summary

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

9,775

Jobs (2020)

San Diego-Chula Vista-Carlsbad, CA is a hotspot for this kind of job. The national average for an area this size is 4,353* employees, while there are 9,775 here.

$98,296

Compensation

Earnings are high in San Diego-Chula Vista-Carlsbad, CA. The national median salary for Computer Occupations, All Other is $91,846, compared to $98,296 here.
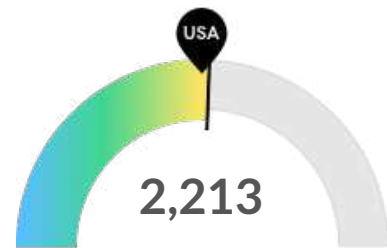
**2,213**

Job Posting Demand

Job posting activity is about average in San Diego-Chula Vista-Carlsbad, CA. The national average for an area this size is 2,134* job postings/mo, while there are 2,213 here.

*National average values are derived by taking the national value for Computer Occupations, All Other 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 4,353* jobs, while there are 9,775 here. This higher than average supply of jobs may make it easier for workers in this field to find employment in your area.
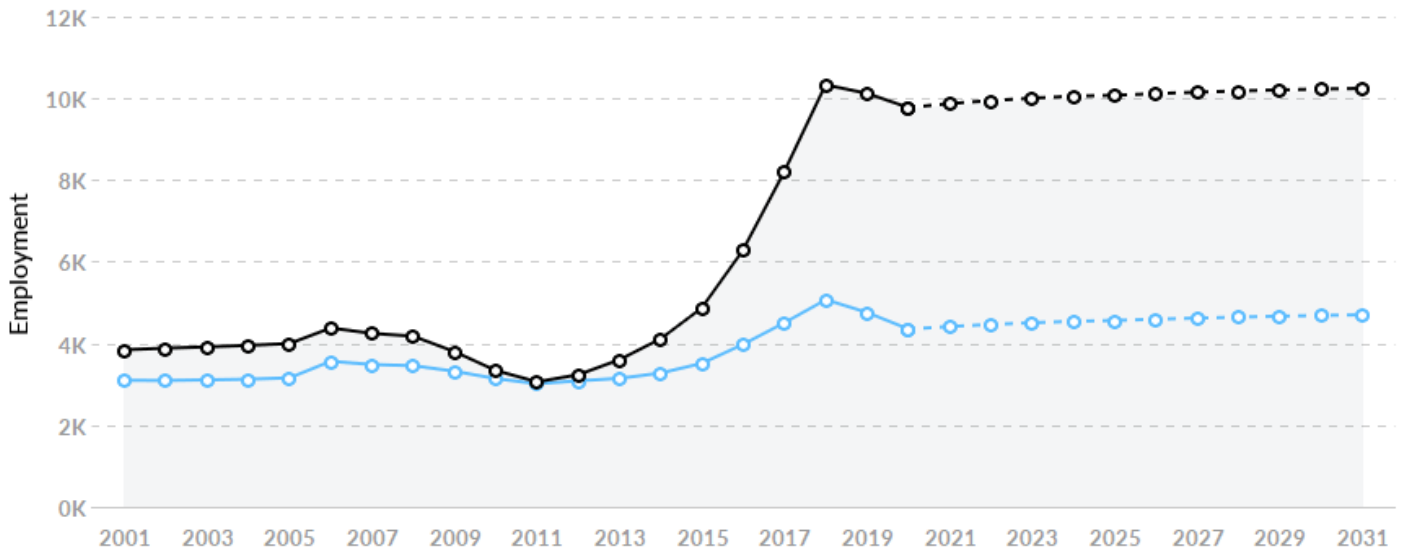
|	Region	2020 Jobs	2030 Jobs	Change	% Change
●	San Diego-Chula Vista-Carlsbad, CA	9,775	10,228	454	4.6%
●	National Average	4,353	4,686	333	7.6%

*National average values are derived by taking the national value for Computer Occupations, All Other 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	2020 Jobs
San Diego County, CA	9,775

Most Jobs are Found in the Federal Government, Civilian Industry Sector
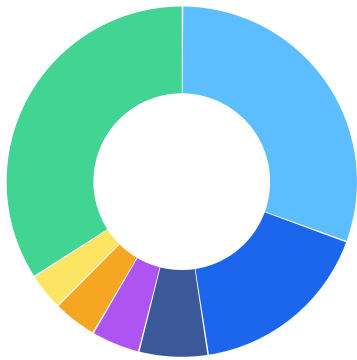
	Industry	% of Occupation in Industry (2020)
🔵	Federal Government, Civilian	30.5%
🔵	Computer Systems Design and Related Services	17.0%
🔵	Federal Government, Military	6.4%
🟣	Management, Scientific, and Technical Consulting Services	4.5%
🟠	Scientific Research and Development Services	4.1%
🟡	Management of Companies and Enterprises	3.4%
🟢	Other	34.2%

Compensation

Regional Compensation Is 7% Higher Than National Compensation

For Computer Occupations, All Other, the 2020 median wage in San Diego-Chula Vista-Carlsbad, CA is $98,296, while the national median wage is $91,846.
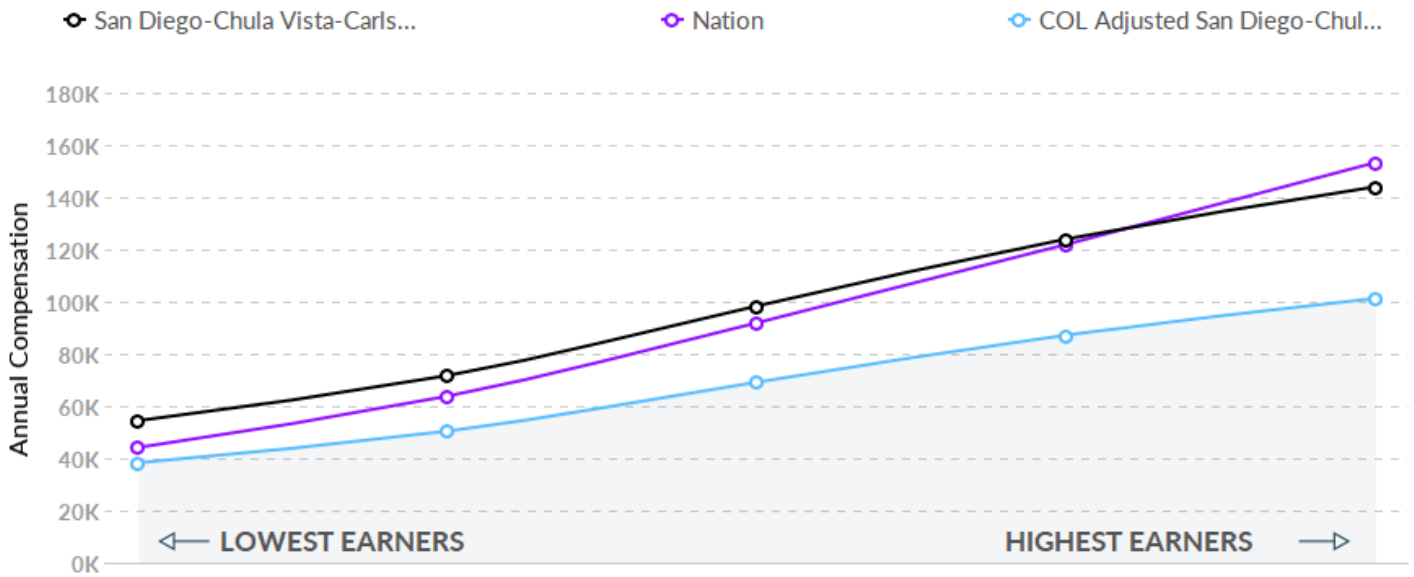
Job Posting Activity

15,765 Unique Job Postings

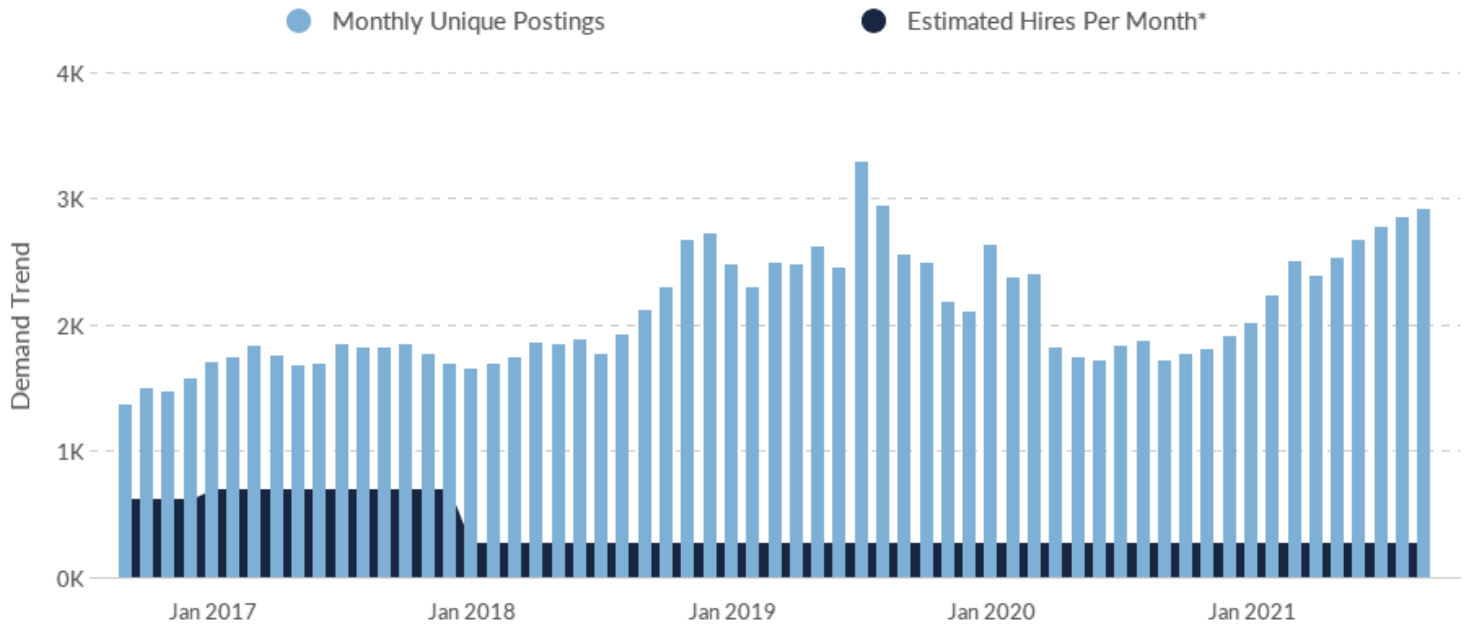The number of unique postings for this job from Jan 2020 to Sep 2021.

2,307 Employers Competing

All employers in the region who posted for this job from Jan 2020 to Sep 2021.

37 Day Median Duration

Posting duration is 6 days longer than what's typical in the region.

● Monthly Unique Postings   ● Estimated Hires Per Month*

Occupation	Avg Monthly Postings (Jan 2020 - Sep 2021)	Avg Monthly Hires (Jan 2020 - Sep 2021)
Computer Occupations, All Other	2,213	272

*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. Emsi hires are calculated using a combination of Emsi 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	
Oracle Corporation	435		Project Managers	543	
Qualcomm Incorporated	344		Solutions Architects	315	
General Atomics	316		Software Test Engineers	284	
Accenture PLC	308		IT Project Managers	281	
General Dynamics Corporation	245		Systems Engineers	225	
Apple Inc.	239		Technical Program Managers	210	
Kforce Inc.	228		Scrum Masters	206	
Northrop Grumman Corporation	225		Technical Project Managers	199	
Amazon.com, Inc.	184		Program Managers	192	
Thermo Fisher Scientific Inc	183		Quality Assurance Engineers	181	

Top Hard Skills

● Frequency in Job Postings   ● Frequency in Profiles
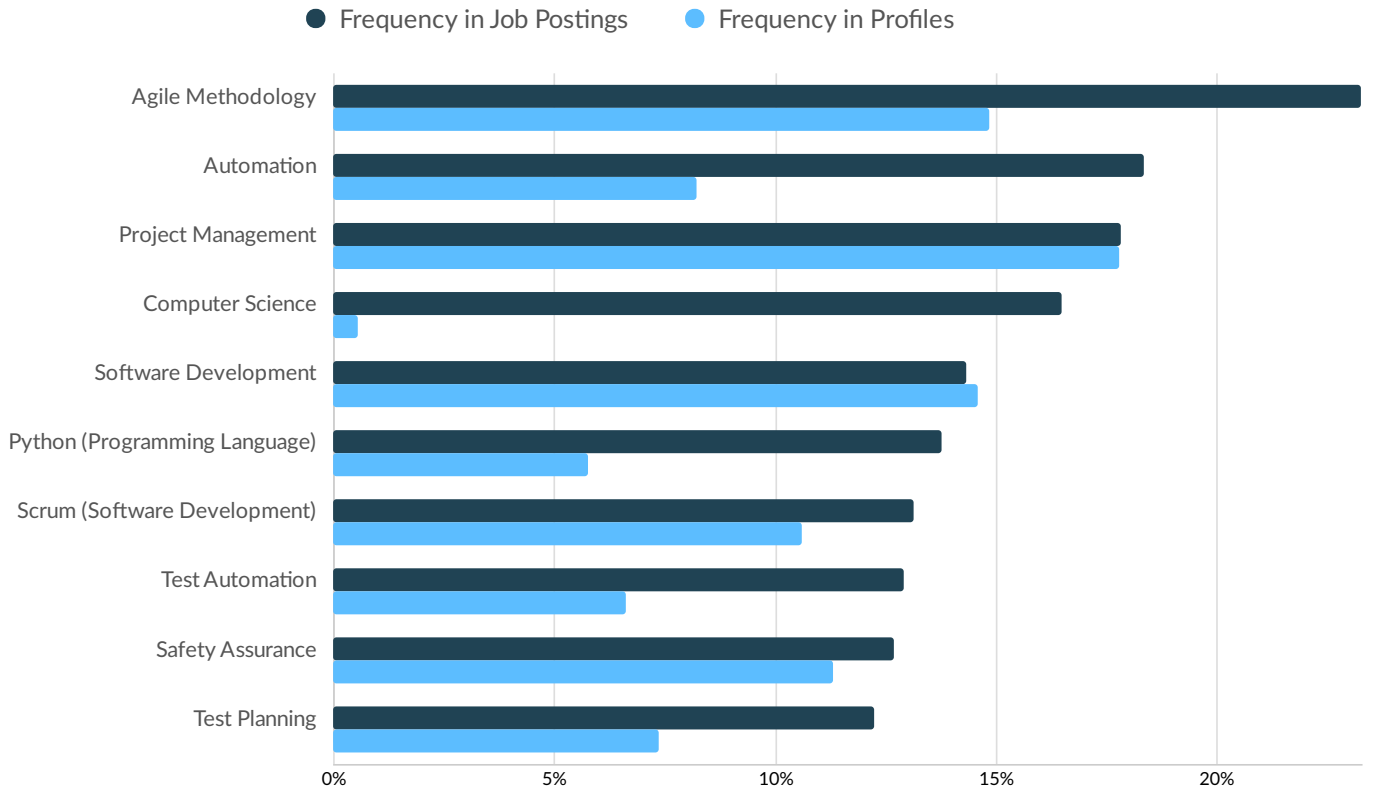
Skills	Postings	% of Total Postings	Profiles	% of Total Profiles
Agile Methodology	3,667	23%	1,760	15%
Automation	2,895	18%	977	8%
Project Management	2,813	18%	2,111	18%
Computer Science	2,600	16%	66	1%
Software Development	2,259	14%	1,731	15%
Python (Programming Language)	2,169	14%	684	6%
Scrum (Software Development)	2,072	13%	1,257	11%
Test Automation	2,033	13%	785	7%
Safety Assurance	2,002	13%	1,341	11%
Test Planning	1,929	12%	875	7%

Top Common Skills

● Frequency in Job Postings   ● Frequency in Profiles
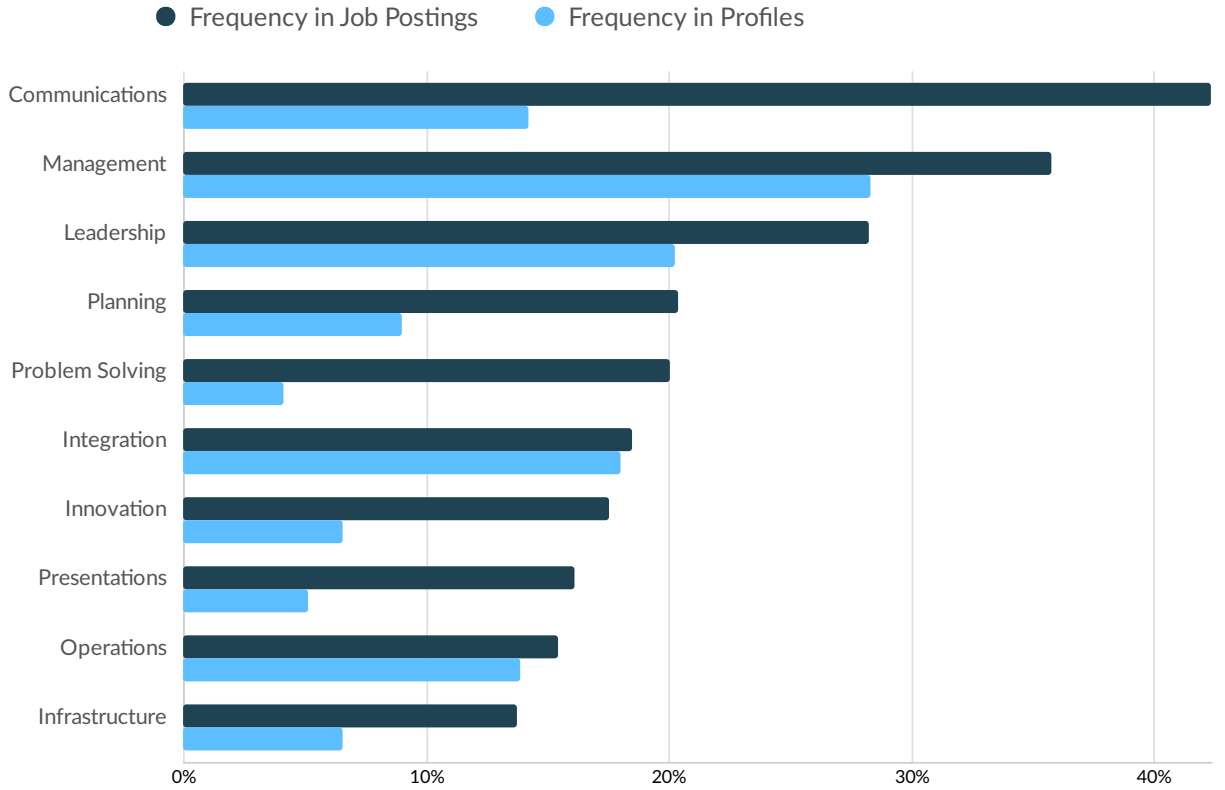
Skills	Postings	% of Total Postings	Profiles	% of Total Profiles
Communications	6,679	42%	1,688	14%
Management	5,641	36%	3,360	28%
Leadership	4,458	28%	2,404	20%
Planning	3,215	20%	1,069	9%
Problem Solving	3,166	20%	488	4%
Integration	2,920	19%	2,139	18%
Innovation	2,773	18%	777	7%
Presentations	2,542	16%	608	5%
Operations	2,436	15%	1,647	14%
Infrastructure	2,171	14%	783	7%

Demographics

Retirement Risk Is About Average, While Overall Diversity Is High
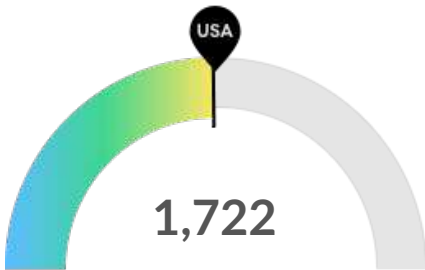
1,722
Retiring Soon

Retirement risk is about average in San Diego-Chula Vista-Carlsbad, CA. The national average for an area this size is 1,742* employees 55 or older, while there are 1,722 here.

5,443
Racial Diversity

Racial diversity is high in San Diego-Chula Vista-Carlsbad, CA. The national average for an area this size is 4,158* racially diverse employees, while there are 5,443 here.
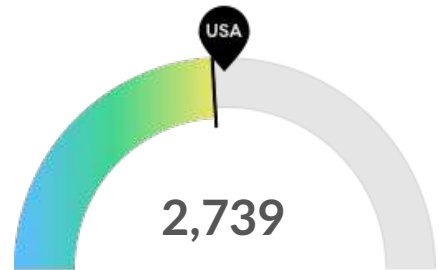
2,739
Gender Diversity

Gender diversity is about average in San Diego-Chula Vista-Carlsbad, CA. The national average for an area this size is 2,894* female employees, while there are 2,739 here.

*National average values are derived by taking the national value for Computer Occupations, All Other and scaling it down to acco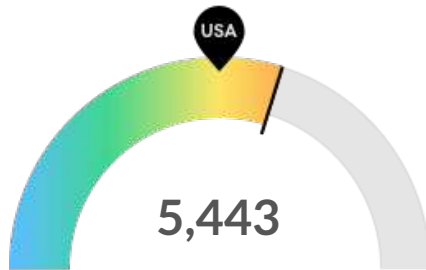unt for the difference in overall workforce size between the nation and San Diego-Chula Vista-Carlsbad, CA. In other words, the values represent the national average adjusted for region size.

Occupation Age Breakdown

	% of Jobs	Jobs
14-18	0.3%	31
19-24	8.0%	779
25-34	26.5%	2,592
35-44	26.4%	2,582
45-54	21.2%	2,068
55-64	14.3%	1,398
65+	3.3%	324
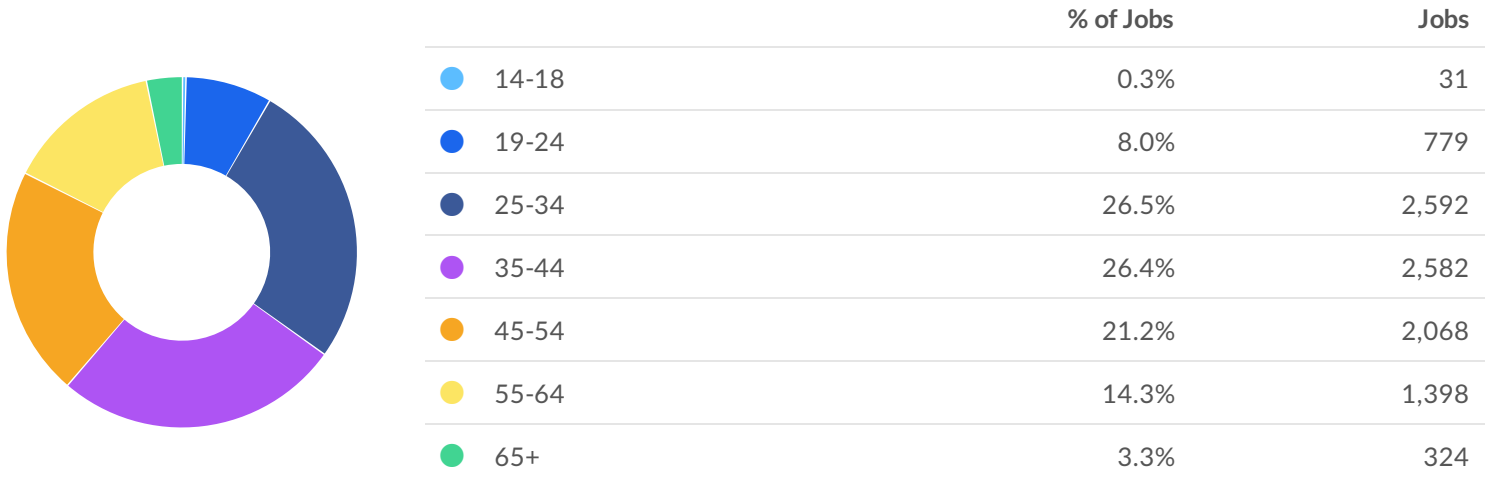
Occupation Race/Ethnicity Breakdown
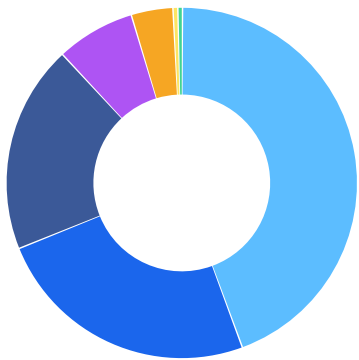
		% of Jobs	Jobs
●	White	44.3%	4,331
●	Asian	24.5%	2,397
●	Hispanic or Latino	19.2%	1,875
●	Black or African American	7.3%	710
●	Two or More Races	3.8%	376
●	Native Hawaiian or Other Pacific Islander	0.4%	44
●	American Indian or Alaska Native	0.4%	42

Occupation Gender Breakdown
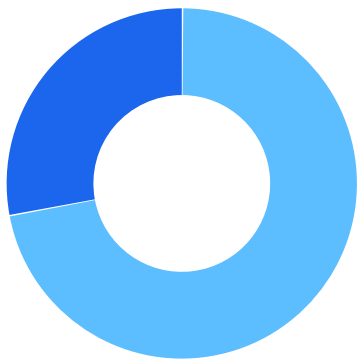
		% of Jobs	Jobs
●	Males	72.0%	7,036
●	Females	28.0%	2,739

National Educational Attainment
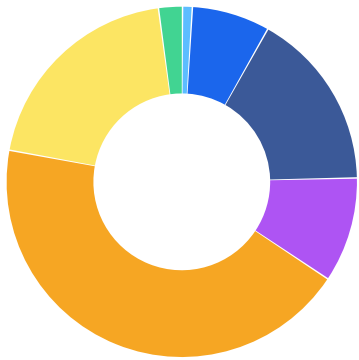
		% of Jobs
🔵	Less than high school diploma	0.9%
🔵	High school diploma or equivalent	7.2%
🔵	Some college, no degree	16.5%
🟣	Associate's degree	9.7%
🟠	Bachelor's degree	43.6%
🟡	Master's degree	20.0%
🟢	Doctoral or professional degree	2.2%

Occupational Programs

57 Programs

Of the programs that can train for this job, 57 have produced completions in the last 5 years.

5,486 Completions (2020)

The completions from all regional institutions for all degree types.

753 Openings (2020)

The average number of openings for an occupation in the region is 247.

CIP Code	Top Programs	Completions (2020)	
11.0701	Computer Science	1,462	
30.0801	Mathematics and Computer Science	318	
52.1201	Management Information Systems, General	290	
14.0901	Computer Engineering, General	283	
03.0103	Environmental Studies	248	
52.1101	International Business/Trade/Commerce	220	
11.1003	Computer and Information Systems Security/Auditing/Infor…	185	
52.0203	Logistics, Materials, and Supply Chain Management	173	
52.1399	Management Sciences and Quantitative Methods, Other	169	
52.1401	Marketing/Marketing Management, General	166	

Top Schools	Completions (2020)	
University of California-San Diego	1,770	▆▆▆
San Diego State University	705	▆
Ashford University	649	▆
University of San Diego	434	▄
National University	340	▃
California State University-San Marcos	234	▪
MiraCosta College	181	▪
Palomar College	169	▪
San Diego Mesa College	139	▪
Grossmont College	128	▪

Appendix A

Computer Occupations, All Other (SOC 15-1299):

All computer occupations not listed separately. Excludes Computer and Information Systems Managers (11-3021), Computer Hardware Engineers (17-2061), Electrical and Electronics Engineers (17-2070), Computer Science Teachers, Postsecondary (25-1021), Special Effects Artists and Animators (27-1014), Graphic Designers (27-1024), Health Information Technologists and Medical Registrars (29-9021), and Computer, Automated Teller, and Office Machine Repairers (49-2011).

Related O*NET Occupations:
Software Quality Assurance Engineers and Testers (15-1199.01)
Computer Systems Engineers/Architects (15-1199.02)
Web Administrators (15-1199.03)
Geospatial Information Scientists and Technologists (15-1199.04)
Geographic Information Systems Technicians (15-1199.05)
Database Architects (15-1199.06)
Data Warehousing Specialists (15-1199.07)
Business Intelligence Analysts (15-1199.08)
Information Technology Project Managers (15-1199.09)
Search Marketing Strategists (15-1199.10)
Video Game Designers (15-1199.11)
Document Management Specialists (15-1199.12)
Computer Operators (43-9011.00)