Surveyors, Cartographers, and Photogrammetrists
in San Diego-Chula Vista-Carlsbad, CA

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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

17-1020   Surveyors, Cartographers, and Photogrammetrists
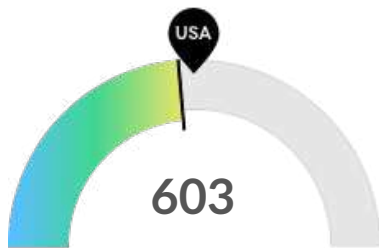
1 MSA

41740   San Diego-Chula Vista-Carlsbad, CA

Class of Worker

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

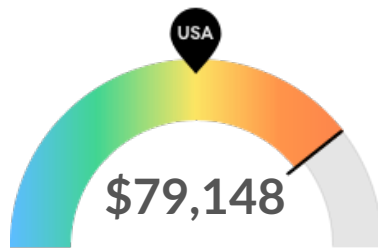The information in this report pertains to the chosen occupation and geographical area.

Executive Summary

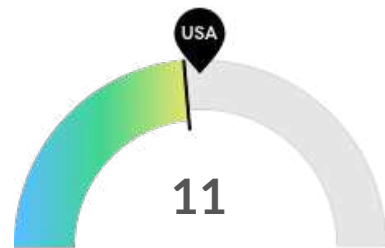## Average Job Posting Demand Over an Average Supply of Regional Jobs

603

Jobs (2018)

San Diego-Chula Vista-Carlsbad, CA is about average for this kind of job. The national average for an area this size is 653* employees, while there are 603 here.

$79,148

Compensation

Earnings are high in San Diego-Chula Vista-Carlsbad, CA. The national median salary for Surveyors, Cartographers, and Photogrammetrists is $62,807, compared to $79,148 here.

11

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 12* job postings/mo, while there are 11 here.

*National average values are derived by taking the national value for Surveyors, Cartographers, and Photogrammetrists 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 About Equal to the National Average

An average area of this size typically has 653* jobs, while there are 603 here.
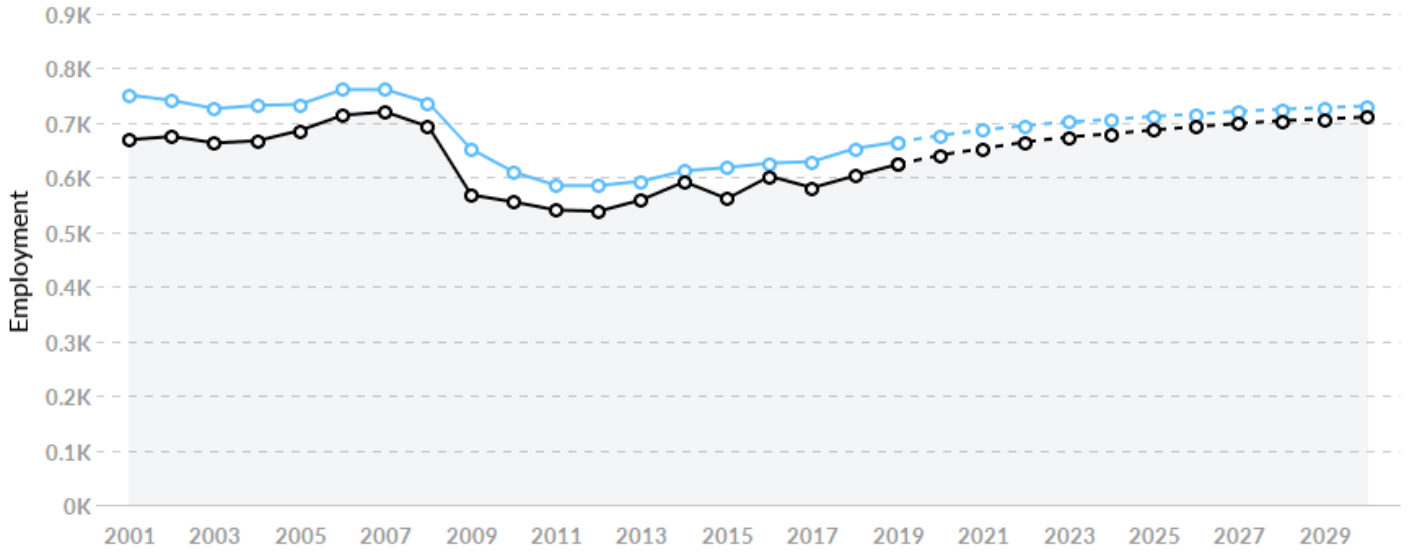
|	Region	2018 Jobs	2028 Jobs	Change	% Change
●	San Diego-Chula Vista-Carlsbad, CA	603	704	101	16.8%
●	National Average	653	725	71	10.9%

*National average values are derived by taking the national value for Surveyors, Cartographers, and Photogrammetrists 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	2018 Jobs
San Diego County, CA	603

## Most Jobs are Found in the Architectural, Engineering, and Related Services Industry Sector
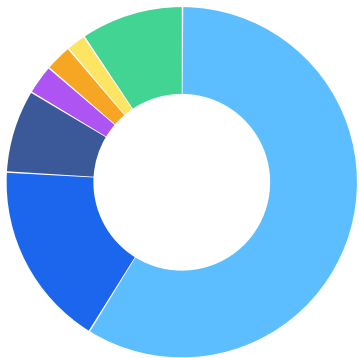
Industry	% of Occupation in Industry (2018)
● Architectural, Engineering, and Related Services	58.8%
● Federal Government, Military	17.1%
● Local Government, Excluding Education and Hospitals	7.7%
● Scientific Research and Development Services	2.7%
● Management, Scientific, and Technical Consulting Services	2.5%
● Natural Gas Distribution	1.8%
● Other	9.5%

Compensation

Regional Compensation Is 26% Higher Than National Compensation

For Surveyors, Cartographers, and Photogrammetrists, the 2018 median wage in San Diego-Chula Vista-Carlsbad, CA is $79,148, while the national median wage is $62,807.
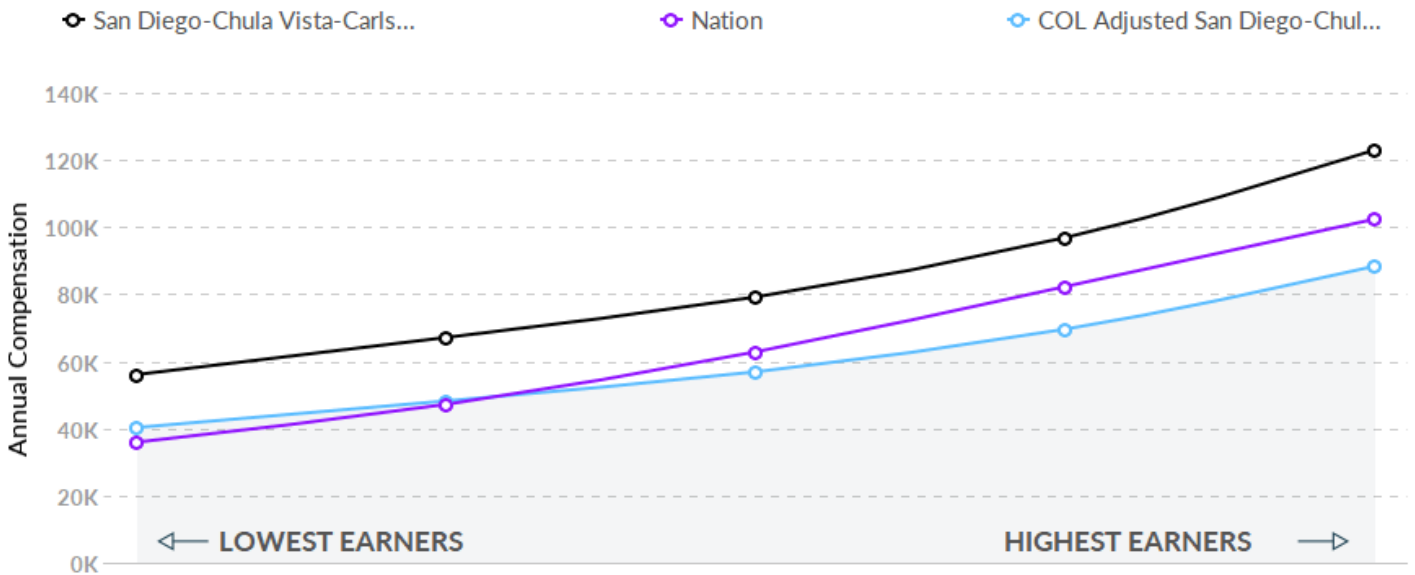
Job Posting Activity

316 Unique Job Postings

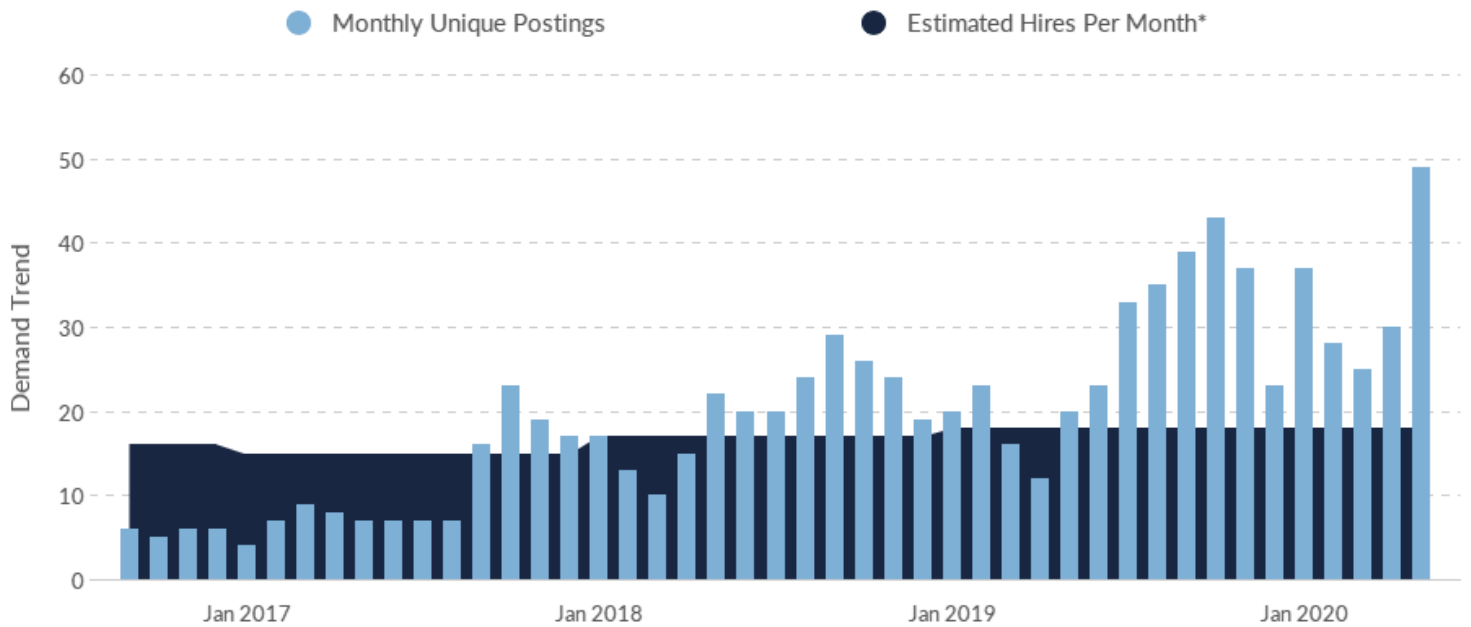The number of unique postings for this job from Jan 2018 to May 2020.

93 Employers Competing

All employers in the region who posted for this job from Jan 2018 to May 2020.

33 Day Median Duration

Posting duration is the same as what's typical in the region.

Occupation	Avg Monthly Postings (Jan 2018 - May 2020)	Avg Monthly Hires (Jan 2018 - May 2020)
Surveyors, Cartographers, and Photogrammetrists	25	18

*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	
Growing People and Companies	56	▬▬	Surveyors	173	▬▬▬
CyberCoders, Inc.	17	▬	Survey Party Chiefs	82	▬
Kimley-Horn and Associates, Inc.	12	▪	Civil Engineers	7	|
Michael Baker Corporation	12	▪	Wireless Engineers (Architectur…	5	|
Aerotek, Inc.	8	▪	Hospice Nurses	4	|
Rick Engineering Company	8	▪	Business Analysts (Business and…	3	|
Baker Electric, Inc.	7	▪	Community Health Workers	3	|
City of San Diego	7	▪	Materials Supervisors (Productio…	2	|
Dade Moeller & Associates, Inc.	6	▪	Payroll Specialists	2	|
Horizon Solar Power, Inc.	6	▪	Project Managers (Architecture …	2	|

Top Hard Skills

● Frequency in Job Postings ● Frequency in Profiles
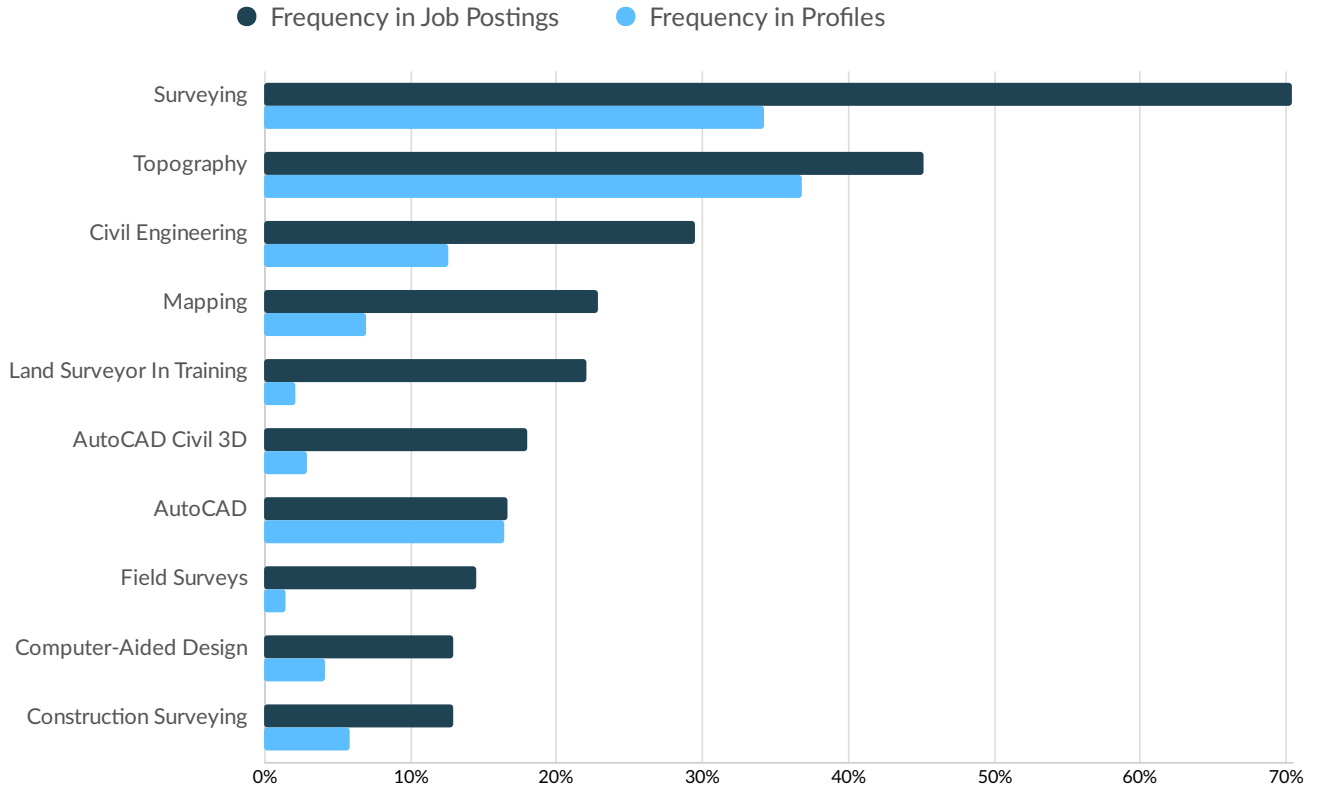
Skills	Postings	% of Total Postings	Profiles	% of Total Profiles
Surveying	262	70%	141	34%
Topography	168	45%	152	37%
Civil Engineering	110	30%	52	13%
Mapping	85	23%	29	7%
Land Surveyor In Training	82	22%	9	2%
AutoCAD Civil 3D	67	18%	12	3%
AutoCAD	62	17%	68	17%
Field Surveys	54	15%	6	1%
Computer-Aided Design	48	13%	17	4%
Construction Surveying	48	13%	24	6%

Top Common Skills

● Frequency in Job Postings   ● Frequency in Profiles
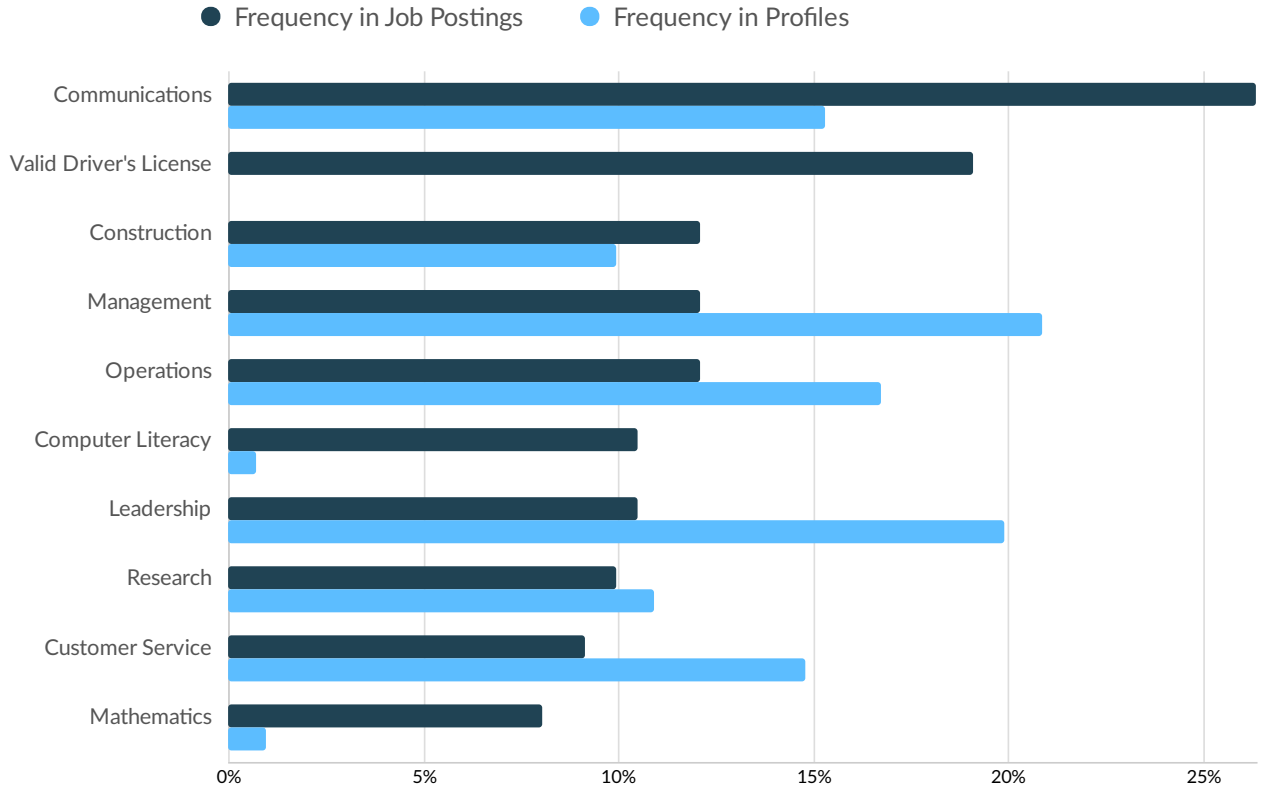
Skills	Postings	% of Total Postings	Profiles	% of Total Profiles
Communications	98	26%	63	15%
Valid Driver's License	71	19%	0	0%
Construction	45	12%	41	10%
Management	45	12%	86	21%
Operations	45	12%	69	17%
Computer Literacy	39	10%	3	1%
Leadership	39	10%	82	20%
Research	37	10%	45	11%
Customer Service	34	9%	61	15%
Mathematics	30	8%	4	1%

Demographics

Retirement Risk Is Low, While Overall Diversity Is High
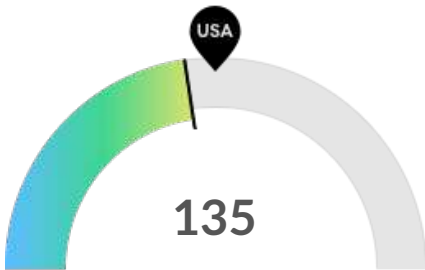
135
Retiring Soon

Retirement risk is low in San Diego-Chula Vista-Carlsbad, CA. The national average for an area this size is 156* employees 55 or older, while there are 135 here.

181
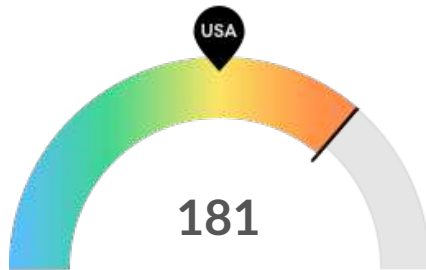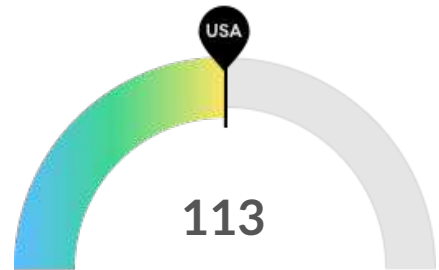**Racial Diversity**

Racial diversity is high in San Diego-Chula Vista-Carlsbad, CA. The national average for an area this size is 97* racially diverse employees, while there are 181 here.

113
Gender Diversity

Gender diversity is about average in San Diego-Chula Vista-Carlsbad, CA. The national average for an area this size is 112* female employees, while there are 113 here.

*National average values are derived by taking the national value for Surveyors, Cartographers, and Photogrammetrists 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.

Occupation Age Breakdown

		% of Jobs	Jobs
●	14-18	0.3%	2
●	19-24	9.5%	60
●	25-34	28.1%	175
●	35-44	22.7%	142
●	45-54	17.6%	110
●	55-64	15.9%	99
●	65+	5.7%	36
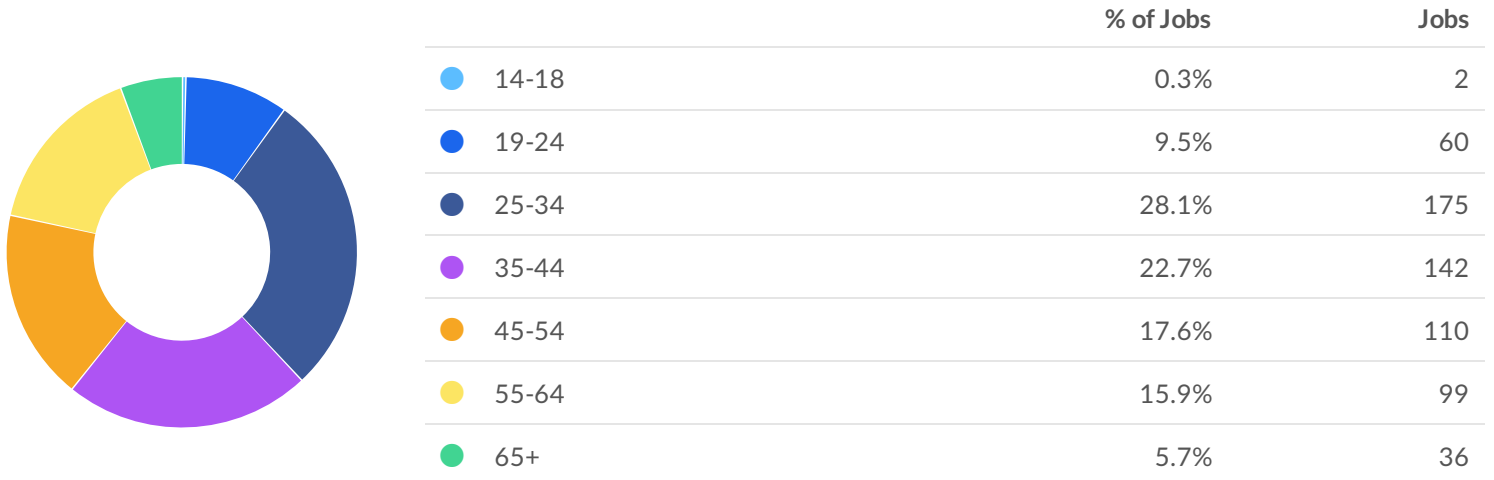
Occupation Race/Ethnicity Breakdown
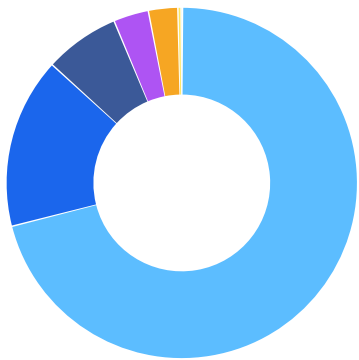
		% of Jobs	Jobs
●	White	71.0%	443
●	Hispanic or Latino	15.7%	98
●	Asian	6.9%	43
●	Black or African American	3.2%	20
●	Two or More Races	2.7%	17
●	American Indian or Alaska Native	0.3%	2
●	Native Hawaiian or Other Pacific Islander	0.1%	1

Occupation Gender Breakdown
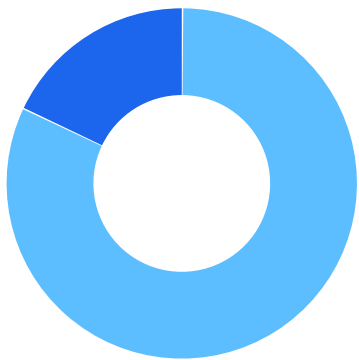
		% of Jobs	Jobs
●	Males	82.0%	512
●	Females	18.0%	113

Occupational Programs

1 Program

Of the programs that can train for this job, 1 has produced completions in the last 5 years.

4 Completions (2018)

The completions from all regional institutions for all degree types.

67 Openings (2018)

The average number of openings for an occupation in the region is 288.

CIP Code	Top Programs	Completions (2018)
15.1102	Surveying Technology/Surveying	4

Top Schools	Completions (2018)
Cuyamaca College	4

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 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

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

Emsi 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.