Environmental Health and Safety 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

2 Occupations

19-4091 Environmental Science and Protection Te..	19-2041 Environmental Scientists and Specialists, .

1 MSA

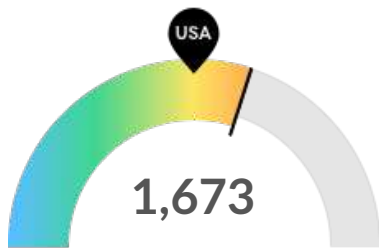41740   San Diego-Chula Vista-Carlsbad, CA

Class of Worker

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

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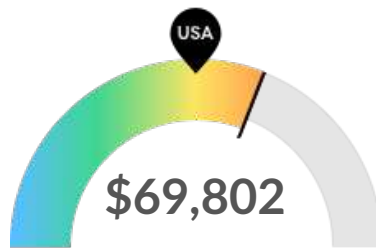
Executive Summary

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

1,673

Jobs (2018)

San Diego-Chula Vista-Carlsbad, CA is a hotspot for this kind of job. The national average for an area this size is 1,266* employees, while there are 1,673 here.

$69,802

Compensation

Earnings are high in San Diego-Chula Vista-Carlsbad, CA. The national median salary for your occupations is $63,194, compared to $69,802 here.

54
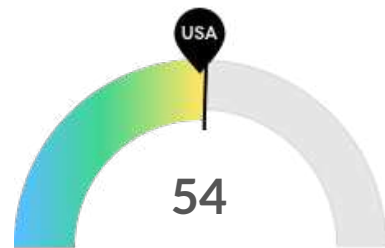
Job Posting Demand

Job posting activity is about average in San Diego-Chula Vista-Carlsbad, CA. The national average for an area this size is 52* job postings/mo, while there are 54 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 1,266* jobs, while there are 1,673 here. This higher than average supply of jobs may make it easier for workers in this field to find employment in your area.
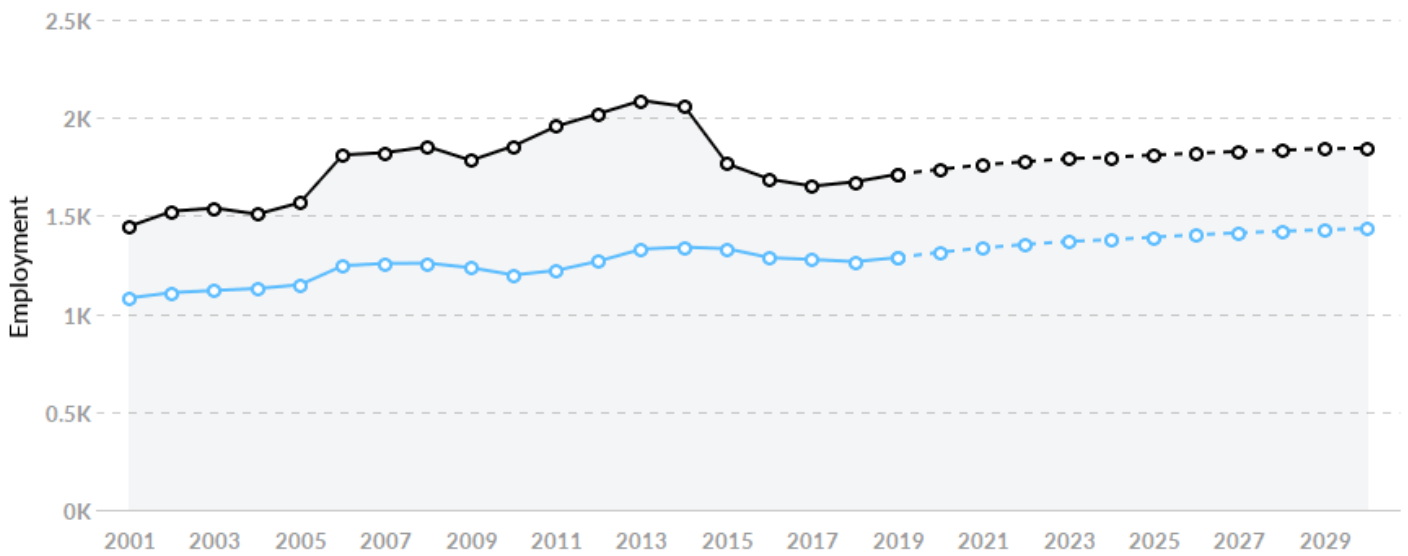
|	Region	2018 Jobs	2028 Jobs	Change	% Change
●	San Diego-Chula Vista-Carlsbad, CA	1,673	1,835	163	9.7%
●	National Average	1,266	1,421	155	12.3%

*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	2018 Jobs
San Diego County, CA	1,673

## Most Jobs are Found in the Management, Scientific, and Technical Consulting Services Industry Sector
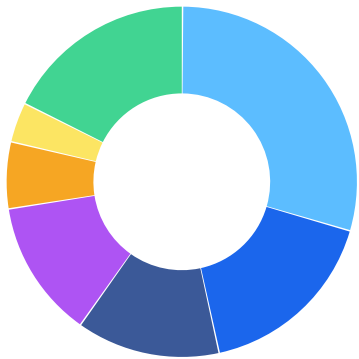
	Industry	% of Occupation in Industry (2018)
●	Management, Scientific, and Technical Consulting Services	29.4%
●	Architectural, Engineering, and Related Services	17.1%
●	Local Government, Excluding Education and Hospitals	13.2%
●	Scientific Research and Development Services	12.7%
●	Federal Government, Civilian	6.1%
●	State Government, Excluding Education and Hospitals	3.7%
●	Other	17.7%

Compensation

Regional Compensation Is 10% Higher Than National Compensation

For your occupations, the 2018 median wage in San Diego-Chula Vista-Carlsbad, CA is $69,802, while the national median wage is $63,194.
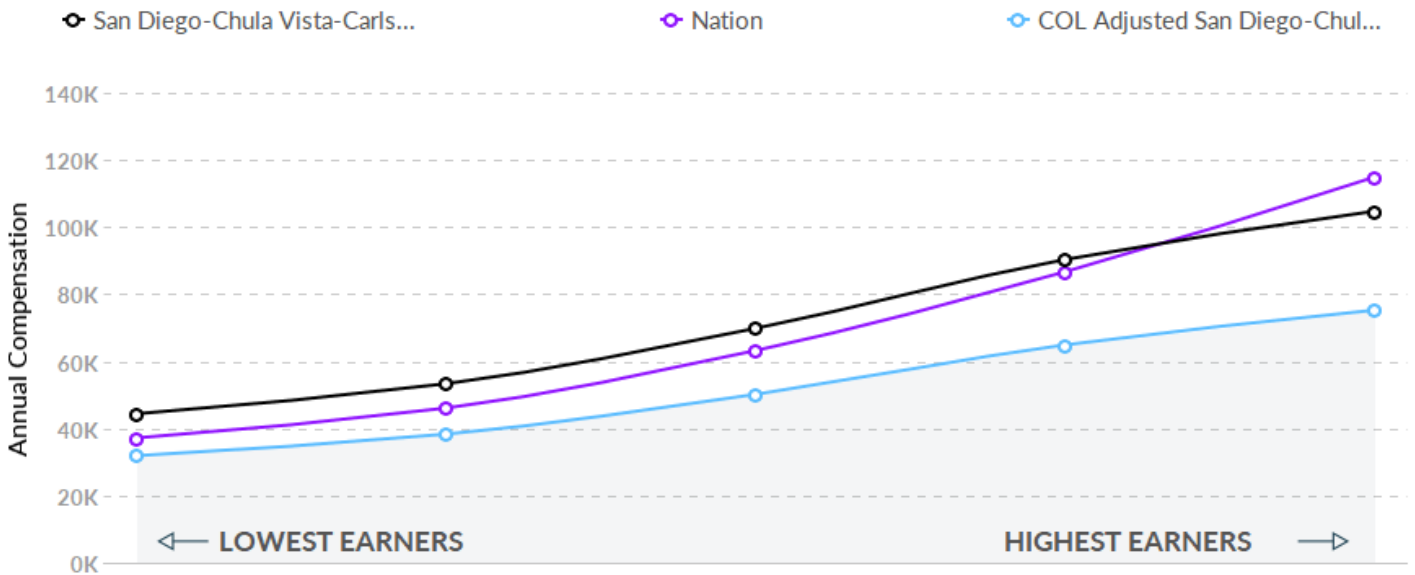
Job Posting Activity

1,563 Unique Job Postings

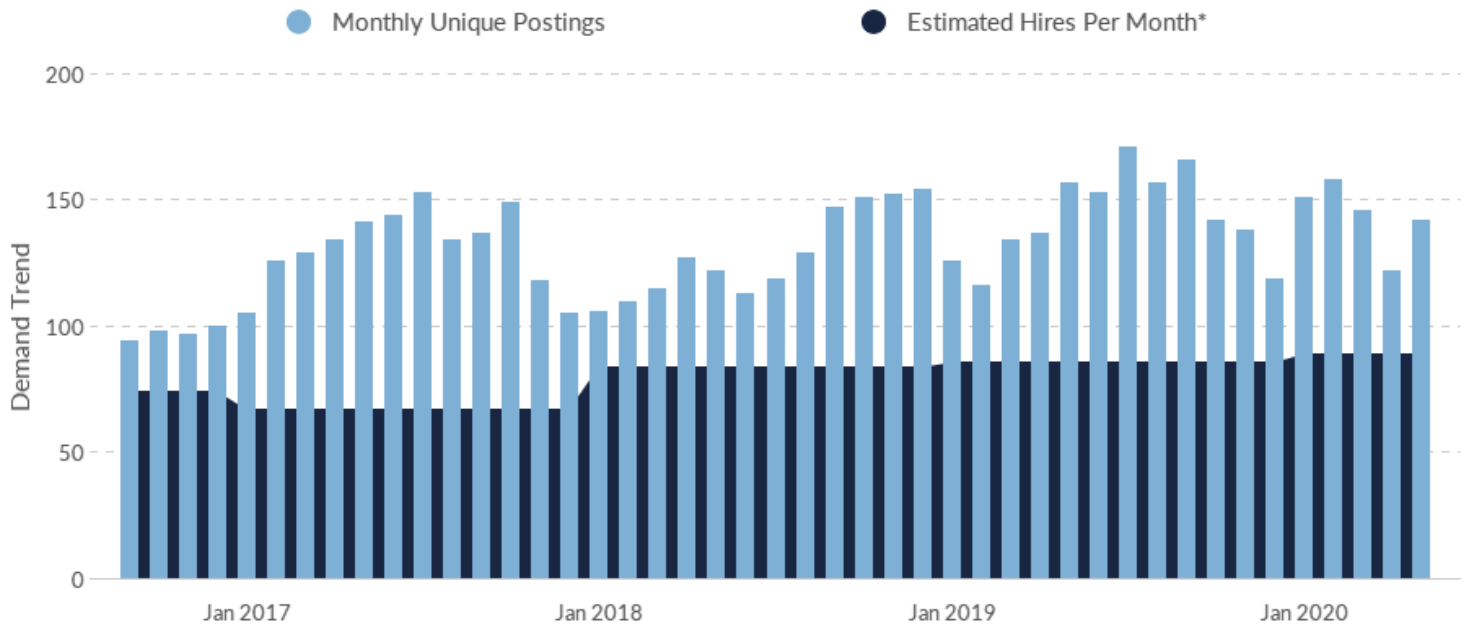The number of unique postings for this job from Jan 2018 to May 2020.

494 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)
Environmental Science and Protection Technicians, Including Health	82	29
Environmental Scientists and Specialists, Including Health	56	56

*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	
Target Corporation	71		Field Technicians (Life, Physical,...	152	
Clean Harbors, Inc.	45		Environmental Technicians	83	
Kelly Services, Inc.	36		Laboratory Technicians (Life, Ph...	83	
Spectrum	33		Environmental Scientists	76	
County of San Diego	31		Environmental Specialists (Life, ...	74	
Aecom	25		Bankers	51	
Aerotek, Inc.	25		Environmental Protection Speci...	40	
University of California	24		Hazardous Waste Technicians	39	
Illumina, Inc.	23		Senior Scientists	27	
United States Department of th...	19		Chemists	21	

Top Hard Skills

● Frequency in Job Postings   **●** Frequency in Profiles
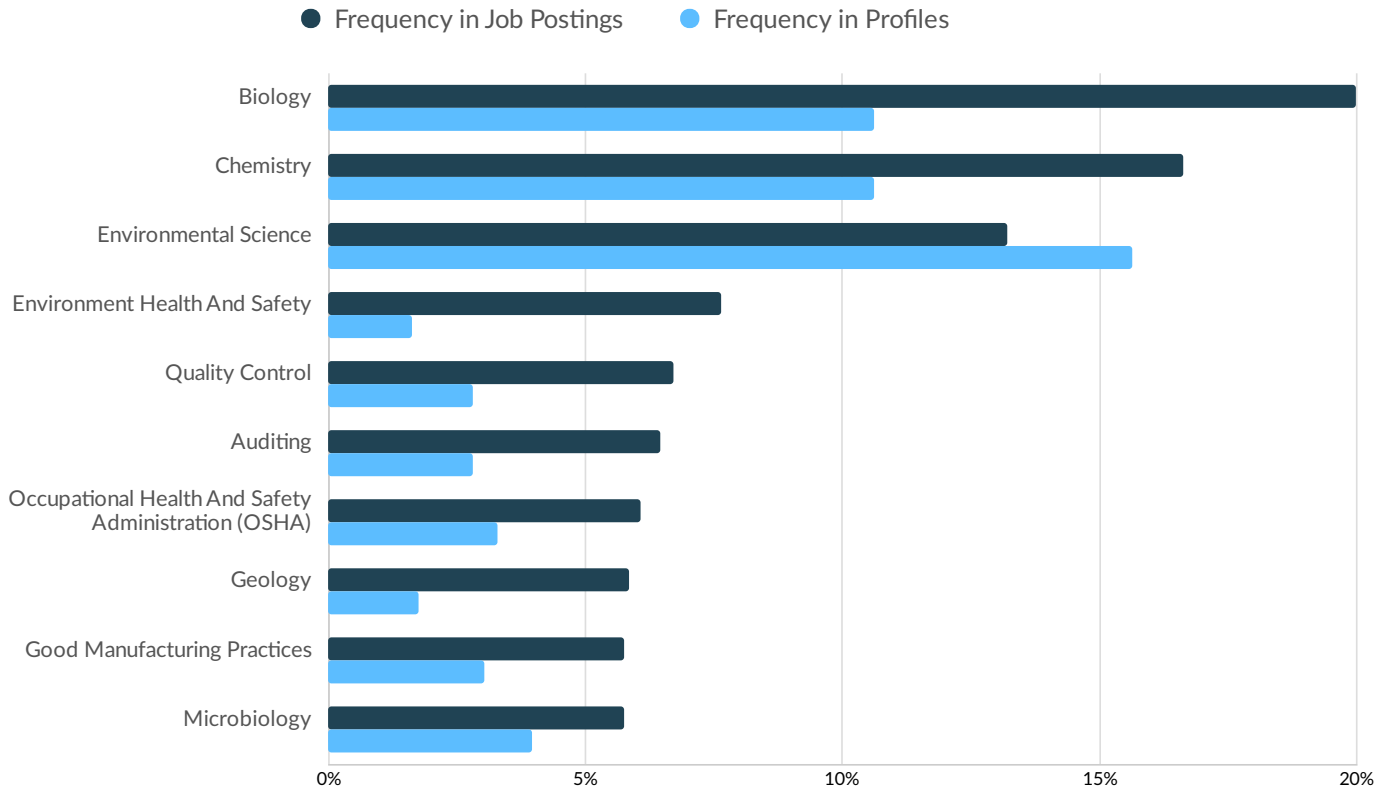
Skills	Postings	% of Total Postings	Profiles	% of Total Profiles
Biology	440	20%	200	11%
Chemistry	366	17%	200	11%
Environmental Science	291	13%	295	16%
Environment Health And Safety	168	8%	31	2%
Quality Control	148	7%	53	3%
Auditing	142	6%	53	3%
Occupational Health And Safety Administration (OSHA)	134	6%	62	3%
Geology	129	6%	33	2%
Good Manufacturing Practices	127	6%	57	3%
Microbiology	127	6%	75	4%

Top Common Skills

● Frequency in Job Postings   ● Frequency in Profiles
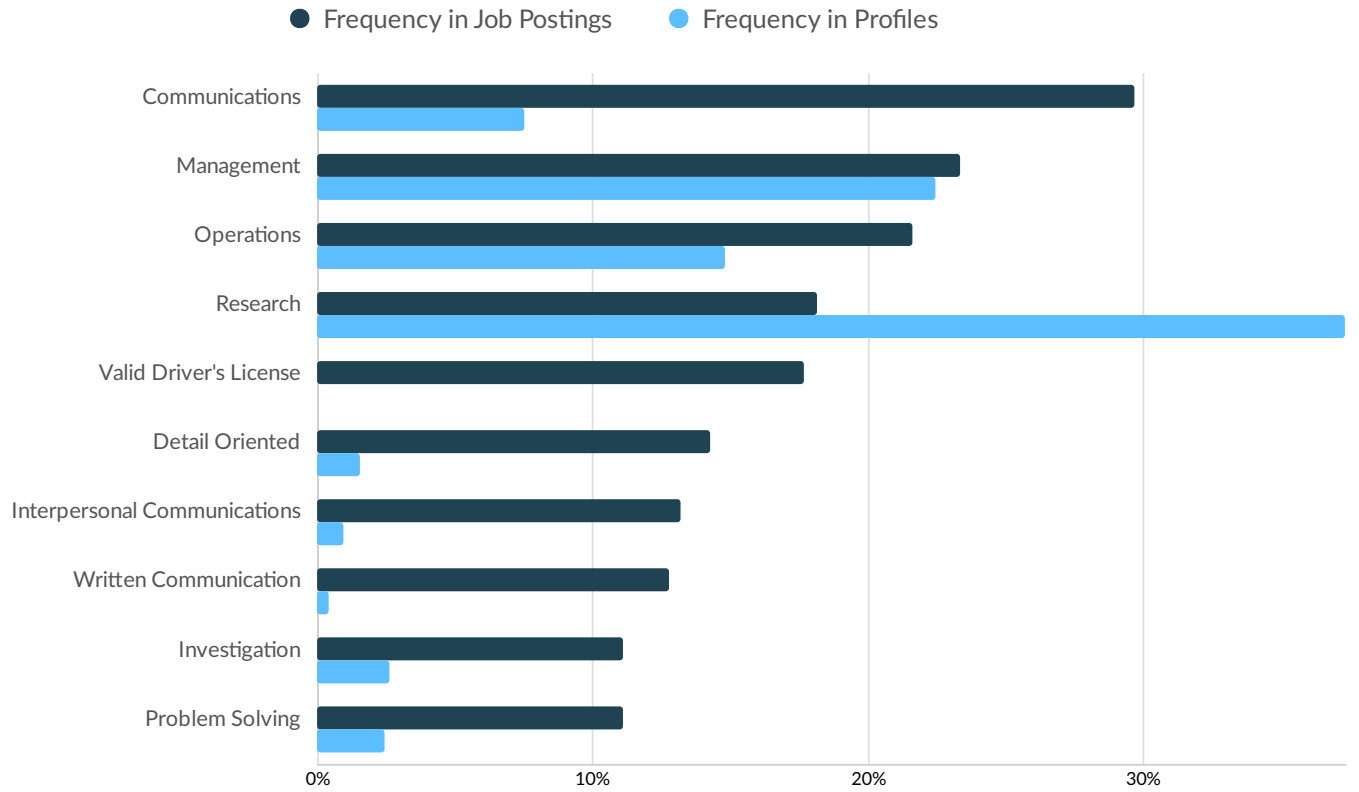
Skills	Postings	% of Total Postings	Profiles	% of Total Profiles
Communications	653	30%	142	8%
Management	514	23%	424	23%
Operations	476	22%	279	15%
Research	400	18%	704	37%
Valid Driver's License	389	18%	0	0%
Detail Oriented	314	14%	29	2%
Interpersonal Communications	290	13%	18	1%
Written Communication	281	13%	8	0%
Investigation	244	11%	50	3%
Problem Solving	244	11%	46	2%

Demographics

Retirement Risk Is Low, While Overall Diversity Is High

350
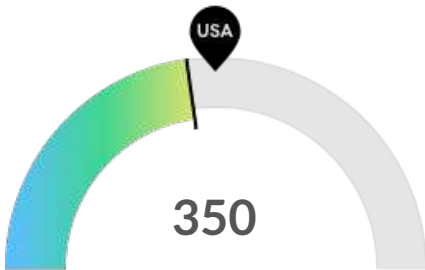
Retiring Soon

Retirement risk is low in San Diego-Chula Vista-Carlsbad, CA. The national average for an area this size is 399* employees 55 or older, while there are 350 here.

629
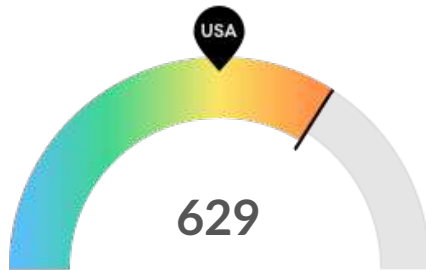
Racial Diversity

Racial diversity is high in San Diego-Chula Vista-Carlsbad, CA. The national average for an area this size is 383* racially diverse employees, while there are 629 here.

643
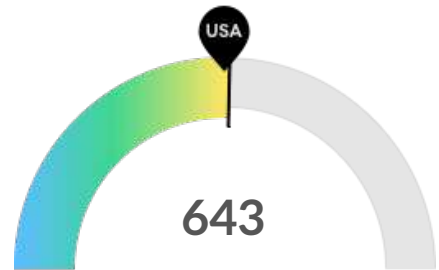
Gender Diversity

Gender diversity is about average in San Diego-Chula Vista-Carlsbad, CA. The national average for an area this size is 628* female employees, while there are 643 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.

Occupation Age Breakdown

	% of Jobs	Jobs
14-18	0.4%	7
19-24	9.4%	160
25-34	29.3%	502
35-44	21.2%	363
45-54	19.3%	330
55-64	15.8%	271
65+	4.6%	79
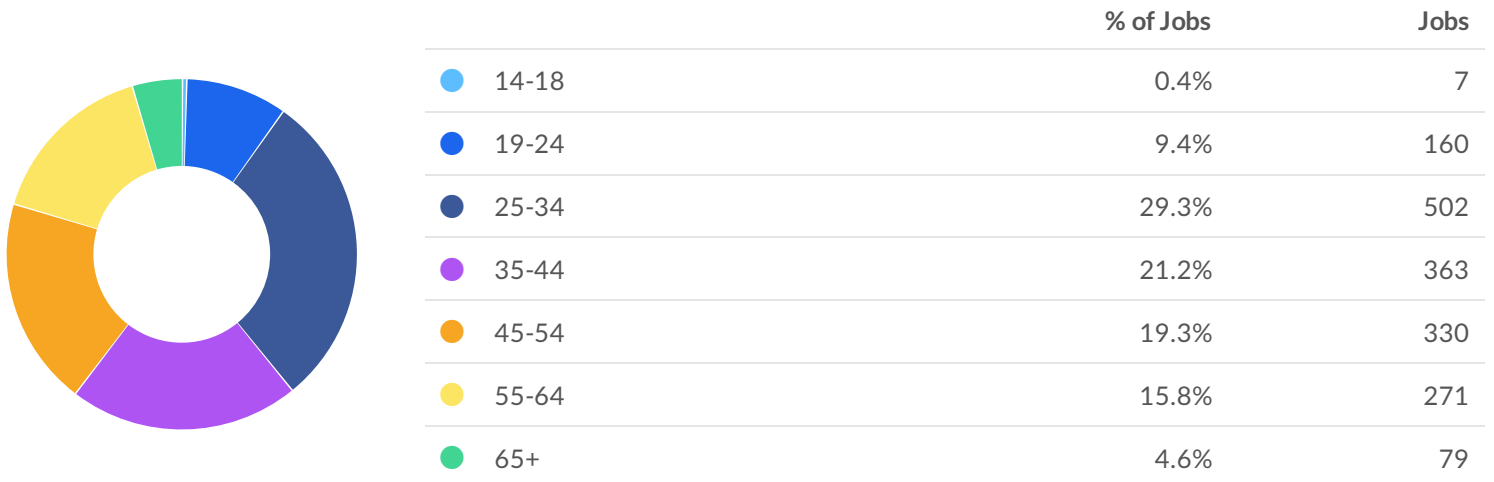
Occupation Race/Ethnicity Breakdown
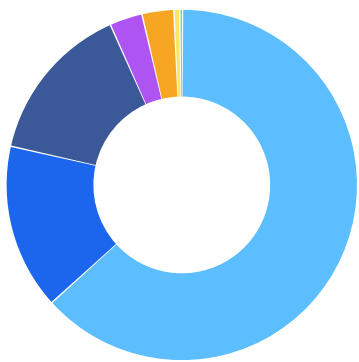
	% of Jobs	Jobs
● White	63.2%	1,082
● Hispanic or Latino	15.3%	261
● Asian	14.8%	253
● Two or More Races	3.0%	52
● Black or African American	2.9%	50
● American Indian or Alaska Native	0.5%	9
● Native Hawaiian or Other Pacific Islander	0.2%	4

Occupation Gender Breakdown

	% of Jobs	Jobs
● Males	62.4%	1,069
● Females	37.6%	643

Occupational Programs

2 Programs

Of the programs that can train for this job, 2 have produced completions in the last 5 years.

249 Completions (2018)

The completions from all regional institutions for all degree types.

226 Openings (2018)

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

CIP Code	Top Programs	Completions (2018)	
03.0103	Environmental Studies	206	
03.0104	Environmental Science	43	

Top Schools	Completions (2018)	
Ashford University	72	
San Diego State University	67	
University of California-San Diego	49	
California State University-San Marcos	28	
University of San Diego	26	
Point Loma Nazarene University	4	
Palomar College	2	
National University	1	

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.