

Architecture Occupation Overview

Emsi Q2 2016 Data Set

July 2016

College of San Mateo



3401 CSM Drive
San Mateo, California 94402
650.358.6880

Parameters

Occupations

Code	Description
17-1011	Architects, Except Landscape and Naval
17-3011	Architectural and Civil Drafters

Regions

Code	Description
6001	Alameda County, CA
6013	Contra Costa County, CA
6075	San Francisco County, CA
6081	San Mateo County, CA
6085	Santa Clara County, CA

Timeframe

2014 - 2021

Datarun

2016.2 - QCEW Employees

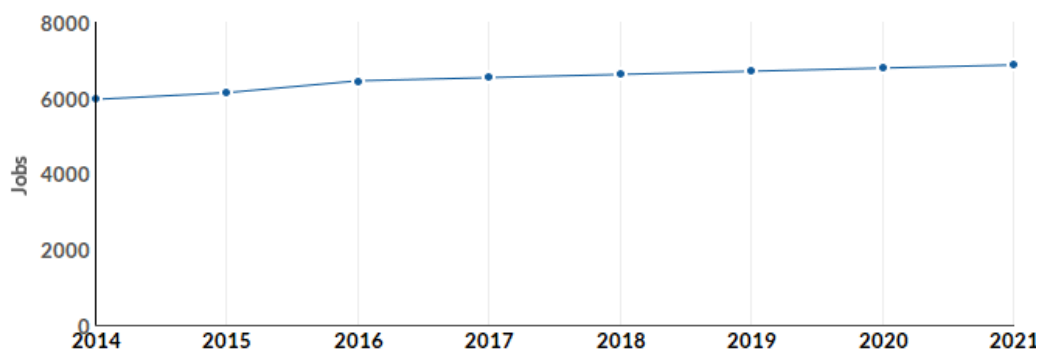
ARCH CTE in 5 Counties

Occupation Summary for ARCH CTE

<p>6,461</p> <p>Jobs (2016)</p> <p>45% above National average</p>	<p>+15.2%</p> <p>% Change (2014-2021)</p> <p>Nation: +7.3%</p>	<p>\$35.39/hr</p> <p>Median Hourly Earnings</p> <p>Nation: \$30.30/hr</p>
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Growth

<p>5,972</p> <p>2014 Jobs</p>	<p>6,881</p> <p>2021 Jobs</p>	<p>909</p> <p>Change (2014-2021)</p>	<p>15.2%</p> <p>% Change (2014-2021)</p>
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Occupation	2014 Jobs	2021 Jobs	Change	% Change
Architects, Except Landscape and Naval (17-1011)	2,807	3,420	613	22%
Architectural and Civil Drafters (17-3011)	3,165	3,460	295	9%

Percentile Earnings

\$29.62/hr

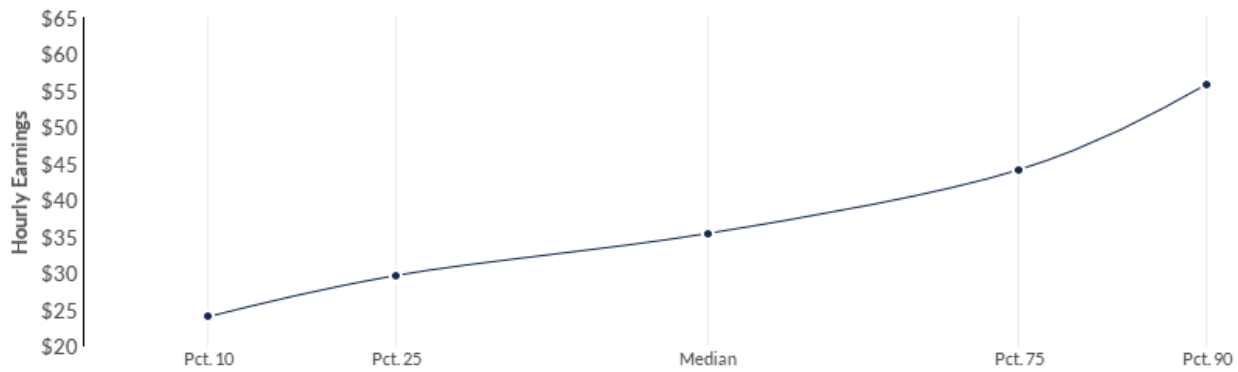
25th Percentile Earnings

\$35.39/hr

Median Earnings

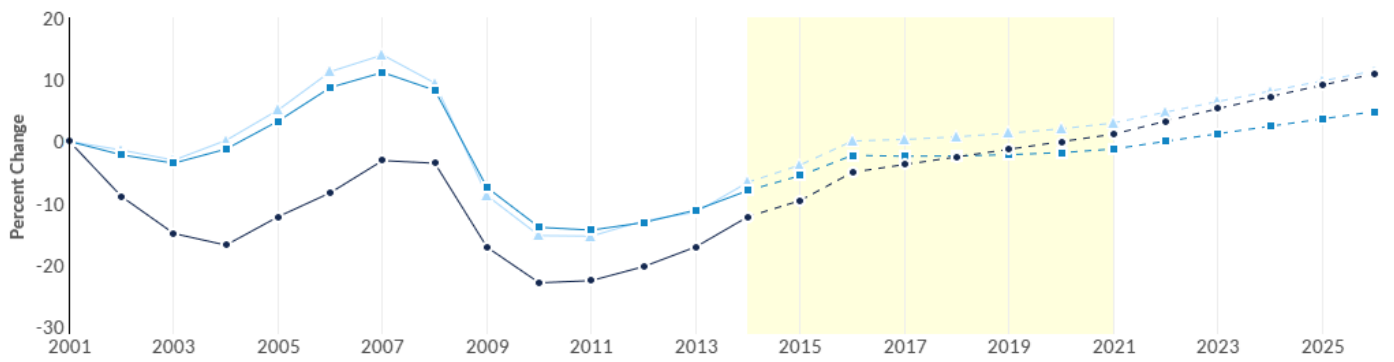
\$44.15/hr

75th Percentile Earnings



Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
Architects, Except Landscape and Naval (17-1011)	\$35.20	\$42.58	\$51.73
Architectural and Civil Drafters (17-3011)	\$24.68	\$29.01	\$37.42

Regional Trends



Region	2014 Jobs	2021 Jobs	Change	% Change
● Region	5,972	6,881	909	15.2%
■ Nation	182,604	195,936	13,332	7.3%
▲ California	23,429	25,838	2,409	10.3%

Regional Breakdown



County	2021 Jobs
San Francisco County, CA	3,052
Alameda County, CA	1,650
Santa Clara County, CA	1,335
Contra Costa County, CA	444
San Mateo County, CA	399

Job Postings Summary

238

Unique Postings (May 2016)
746 Total Postings

3 : 1

Posting Intensity (May 2016)

Regional Average: 5 : 1

There were 746 total job postings for 2 Occupations in May 2016, of which 238 were unique. These numbers give us a Posting Intensity of 3-to-1, meaning that for every 3 postings there is 1 unique job posting.

This is lower than the Posting Intensity for all other occupations and companies in the region (5-to-1), indicating that companies may not be trying as hard to hire this position.

Occupation Gender Breakdown



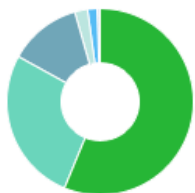
Gender	2016 Jobs	2016 Percent
● Males	4,727	73.2%
● Females	1,734	26.8%

Occupation Age Breakdown



Age	2016 Jobs	2016 Percent
14-18	12	0.2%
19-24	302	4.7%
25-34	1,758	27.2%
35-44	1,716	26.6%
45-54	1,400	21.7%
55-64	957	14.8%
65+	315	4.9%

Occupation Race/Ethnicity Breakdown



Race/Ethnicity	2016 Jobs	2016 Percent
White	3,634	56.2%
Asian	1,731	26.8%
Hispanic or Latino	813	12.6%
Black or African American	144	2.2%
Two or More Races	106	1.6%
American Indian or Alaska Native	19	0.3%
Native Hawaiian or Other Pacific Islander	16	0.2%

Occupational Programs

8 Programs (2014)	402 Completions (2014)	288 Openings (2014)
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CIP Code	Program	Completions (2014)
04.0201	Architecture	301
15.1301	Drafting and Design Technology/Technician, General	36
04.0901	Architectural Technology/Technician	35
15.1303	Architectural Drafting and Architectural CAD/CADD	23
15.1304	Civil Drafting and Civil Engineering CAD/CADD	6

Industries Employing ARCH CTE

Industry	Occupation Group Jobs in Industry (2016)	% of Occupation Group in Industry (2016)	% of Total Jobs in Industry (2016)
Architectural Services	3,318	51.4%	38.3%
Engineering Services	1,048	16.2%	3.8%
Landscape Architectural Services	524	8.1%	37.4%
Surveying and Mapping (except Geophysical) Services	295	4.6%	34.5%
Building Inspection Services	275	4.3%	36.3%

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.

Completers Data

The completers 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.

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.

State Data Sources

This report uses state data from the following agencies: California Labor Market Information Department