

Occupation Overview

Emsi Q3 2019 Data Set

October 2019

Contra Costa Community College District



Parameters

Occupations

Regions

Timeframe

2019 - 2024

Datarun

2019.3 – QCEW Employees, Non-QCEW Employees, and Self-Employed

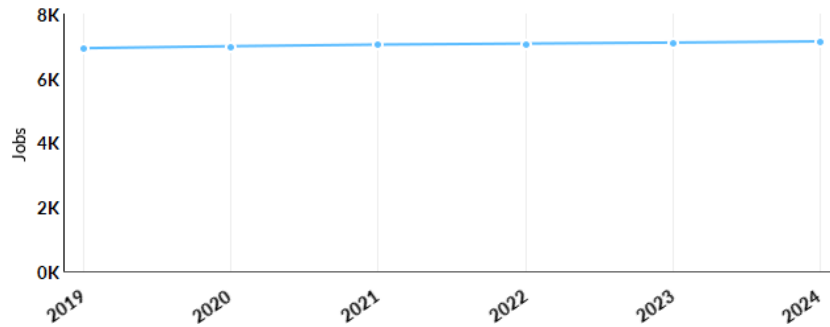
4 Occupations in 3 California Counties

Occupation Summary for 4 Occupations

6,927 Jobs (2019) 38% above National average	3.0% % Change (2019-2024) Nation: 5.1%	\$28.05/hr Median Hourly Earnings Nation: \$24.79/hr
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Growth

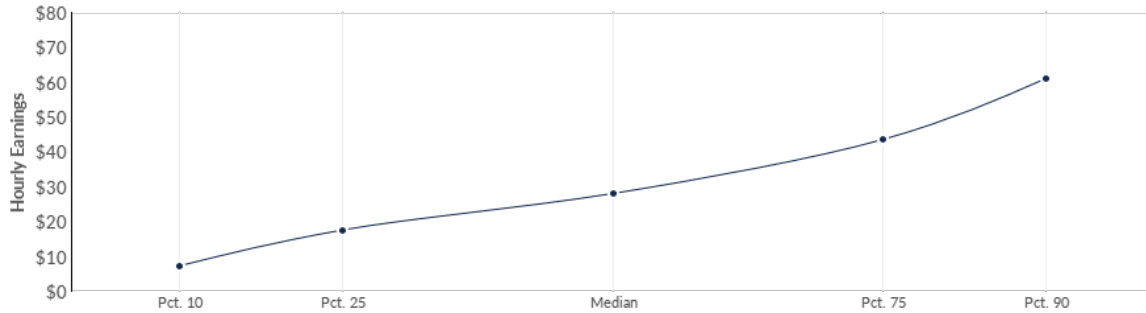
6,927 2019 Jobs	7,138 2024 Jobs	211 Change (2019-2024)	3.0% % Change (2019-2024)
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Occupation	2019 Jobs	2024 Jobs	Change	% Change
Web Developers (15-1134)	2,234	2,379	145	6%
Fine Artists, Including Painters, Sculptors, and Illustrators (27-1013)	807	834	27	3%
Graphic Designers (27-1024)	3,804	3,847	43	1%
Desktop Publishers (43-9031)	80	77	-3	-4%

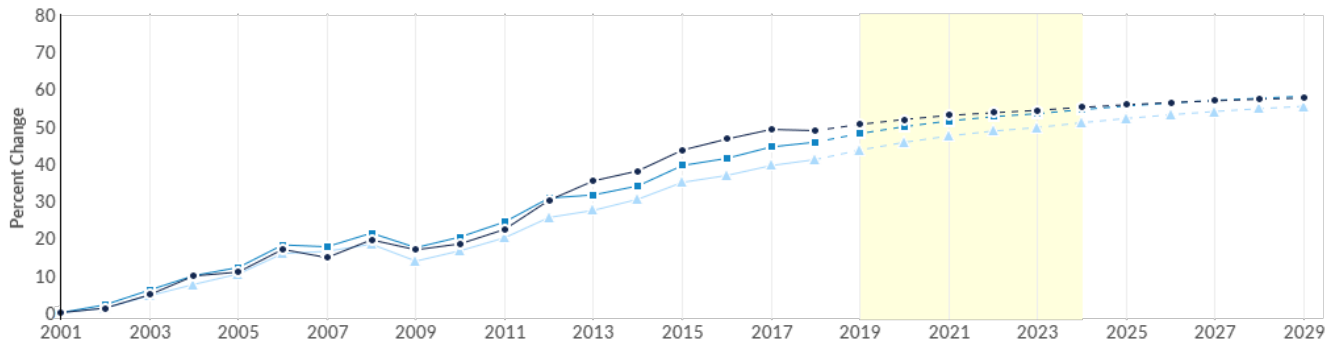
Percentile Earnings

\$17.56/hr 25th Percentile Earnings	\$28.05/hr Median Earnings	\$43.59/hr 75th Percentile Earnings
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Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
Web Developers (15-1134)	\$22.28	\$38.28	\$55.76
Fine Artists, Including Painters, Sculptors, and Illustrators (27-1013)	\$4.73	\$11.34	\$24.90
Graphic Designers (27-1024)	\$18.86	\$27.39	\$38.09
Desktop Publishers (43-9031)	\$15.81	\$23.45	\$27.88

Regional Trends




	Region	2019 Jobs	2024 Jobs	Change	% Change
●	Region	6,927	7,138	211	3.0%
●	California	87,463	91,261	3,798	4.3%
●	United States	554,728	583,054	28,326	5.1%

Regional Breakdown



County	2024 Jobs
Alameda County, CA	4,764
Contra Costa County, CA	1,979
Solano County, CA	395

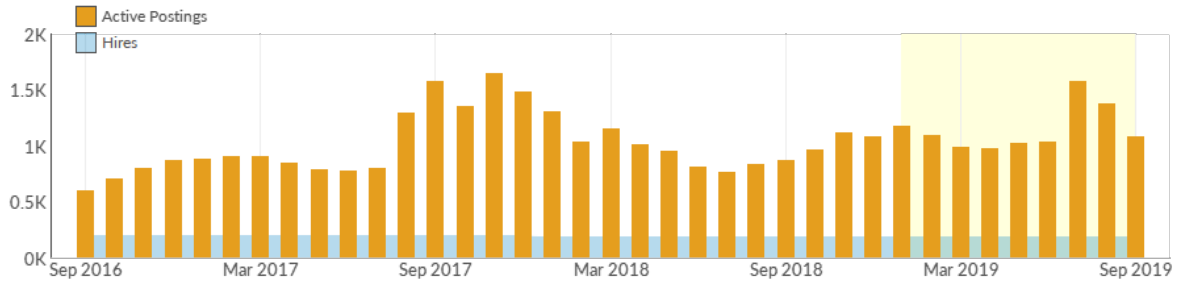
Job Postings Summary

<p>4,918 Unique Postings</p> <p>28,624 Total Postings</p>	<p>6 : 1 Posting Intensity</p> <p>Regional Average: 4 : 1</p> 	<p>25 days Median Posting Duration</p> <p>Regional Average: 33 days</p>
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There were **28,624** total job postings for your selection from January 2019 to September 2019, of which **4,918** were unique. These numbers give us a Posting Intensity of **6-to-1**, meaning that for every 6 postings there is 1 unique job posting. This is higher than the Posting Intensity for all other occupations and companies in the region (4-to-1), indicating that they may be trying harder to hire for this position.

Job Postings vs. Hires

1,147 Avg. Monthly Postings (Jan 2019 - Sep 2019)	192 Avg. Monthly Hires (Jan 2019 - Sep 2019)
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Occupation	Avg Monthly Postings (Jan 2019 - Sep 2019)	Avg Monthly Hires (Jan 2019 - Sep 2019)
Web Developers	900	64
Graphic Designers	242	115
Fine Artists, Including Painters, Sculptors, and Illustrators	3	11
Desktop Publishers	2	3

Occupation Gender Breakdown



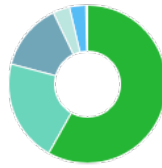
	Gender	2018 Jobs	2018 Percent	
•	Males	3,536	51.6%	
•	Females	3,314	48.4%	

Occupation Age Breakdown



	Age	2018 Jobs	2018 Percent
●	14-18	28	0.4%
●	19-24	422	6.2% ■
●	25-34	1,887	27.5% ■■■■
●	35-44	1,672	24.4% ■■■■
●	45-54	1,372	20.0% ■■■■
●	55-64	1,015	14.8% ■■■■
●	65+	454	6.6% ■■

Occupation Race/Ethnicity Breakdown



	Race/Ethnicity	2018 Jobs	2018 Percent	
●	White	3,984	58.2%	<div style="width: 58.2%;"></div>
●	Asian	1,433	20.9%	<div style="width: 20.9%;"></div>
●	Hispanic or Latino	944	13.8%	<div style="width: 13.8%;"></div>
●	Black or African American	236	3.4%	<div style="width: 3.4%;"></div>
●	Two or More Races	229	3.3%	<div style="width: 3.3%;"></div>
●	American Indian or Alaska Native	12	0.2%	<div style="width: 0.2%;"></div>
●	Native Hawaiian or Other Pacific Islander	12	0.2%	<div style="width: 0.2%;"></div>

Occupational Programs

25 Programs (2017)		1,492 Completions (2017)	663 Openings (2017)
CIP Code	Program	Completions (2017)	
11.0701	Computer Science	792	
11.0201	Computer Programming/Programmer, General	207	
50.0701	Art/Art Studies, General	148	
11.0901	Computer Systems Networking and Telecommunications	93	
50.0702	Fine/Studio Arts, General	76	

Industries Employing 4 Occupations

Industry	Occupation Group Jobs in Industry (2018)	% of Occupation Group in Industry (2018)	% of Total Jobs in Industry (2018)
Graphic Design Services	741	10.8%	36.3%
Custom Computer Programming Services	562	8.2%	4.4%
Interior Design Services	548	8.0%	36.5%
Independent Artists, Writers, and Performers	487	7.1%	10.4%
Computer Systems Design Services	446	6.5%	3.7%

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.

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.

State Data Sources

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