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

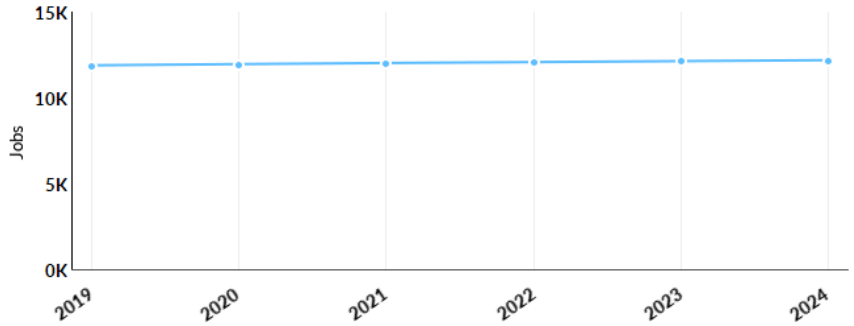
2 Occupations in 3 California Counties

Occupation Summary for 2 Occupations

11,871	2.5%	$33.51/hr
Jobs (2019)	**% Change (2019-2024)**	**Median Hourly Earnings**
15% below National average	Nation: 6.7%	Nation: $33.55/hr

Growth

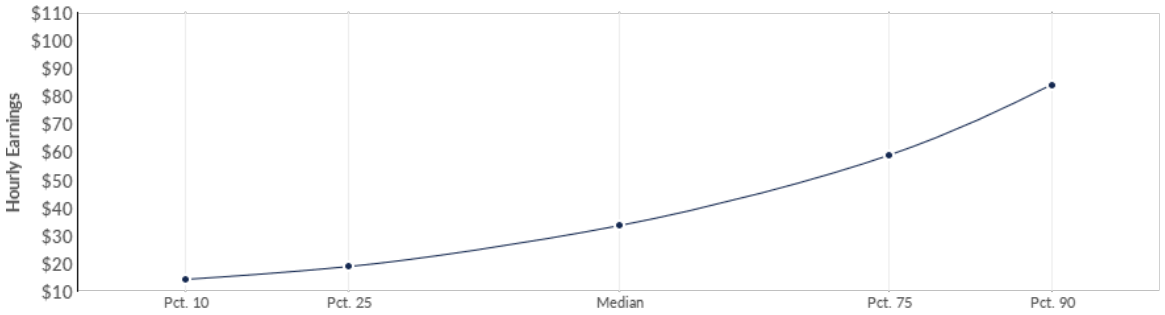
11,871	12,172	301	2.5%
2019 Jobs	2024 Jobs	Change (2019-2024)	% Change (2019-2024)



Occupation	2019 Jobs	2024 Jobs	Change	% Change
Physicists (19-2012)	616	669	53	9%
Postsecondary Teachers (25-1099)	11,256	11,503	247	2%

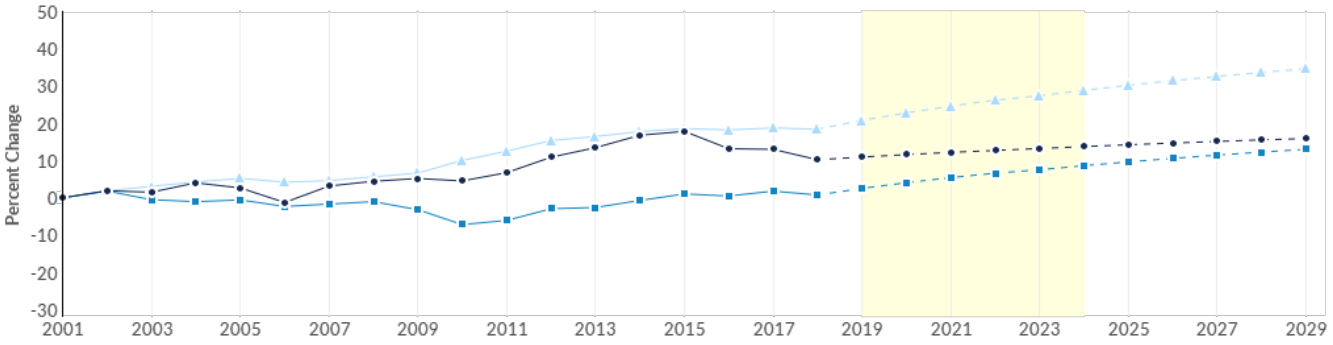
Percentile Earnings

$18.84/hr	$33.51/hr	$58.84/hr
25th Percentile Earnings	Median Earnings	75th Percentile Earnings



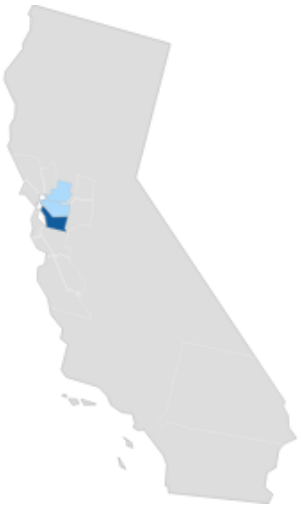
Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
Physicists (19-2012)	$42.86	$54.37	$66.28
Postsecondary Teachers (25-1099)	$18.43	$31.85	$57.66

Regional Trends



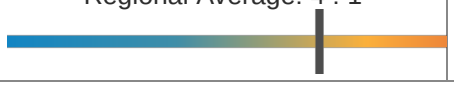
	Region	2019 Jobs	2024 Jobs	Change	% Change
●	Region	11,871	12,172	301	2.5%
●	California	172,692	182,957	10,265	5.9%
●	United States	1,539,165	1,642,086	102,921	6.7%

Regional Breakdown



County	2024 Jobs
Alameda County, CA	8,879
Contra Costa County, CA	2,109
Solano County, CA	1,184

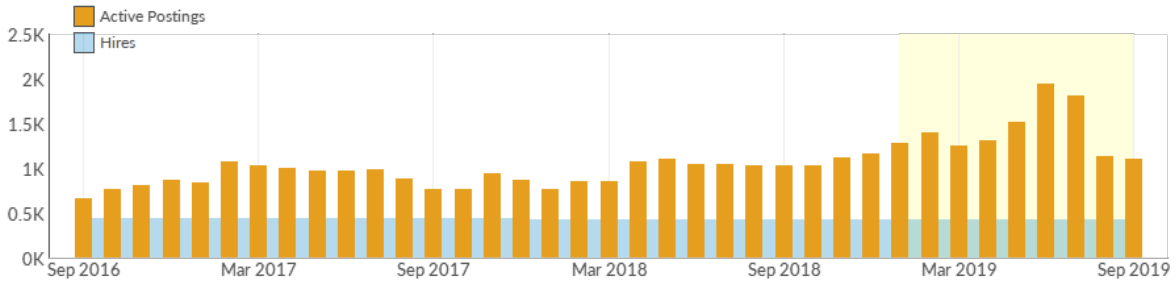
Job Postings Summary

5,472	4 : 1	31 days
Unique Postings	**Posting Intensity**	**Median Posting Duration**
21,455 Total Postings	Regional Average: 4 : 1 	Regional Average: 33 days

There were **21,455** total job postings for your selection from January 2019 to September 2019, of which **5,472** were unique. These numbers give us a Posting Intensity of **4-to-1**, meaning that for every 4 postings there is 1 unique job posting.This is close to the Posting Intensity for all other occupations and companies in the region (4-to-1), indicating that they are putting average effort toward hiring for this position.

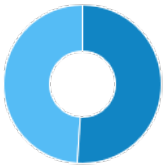
Job Postings vs. Hires

1,419	430
Avg. Monthly Postings (Jan 2019 - Sep 2019)	Avg. Monthly Hires (Jan 2019 - Sep 2019)



Occupation	Avg Monthly Postings (Jan 2019 - Sep 2019)	Avg Monthly Hires (Jan 2019 - Sep 2019)
Postsecondary Teachers	1,371	413
Physicists	48	17

Occupation Gender Breakdown

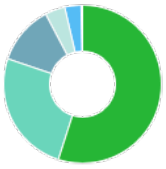


	Gender	2018 Jobs	2018 Percent
●	Males	6,022	51.1%
●	Females	5,772	48.9%

Occupation Age Breakdown

	Age	2018 Jobs	2018 Percent
●	14-18	19	0.2%
●	19-24	1,000	8.5%
●	25-34	2,383	20.2%
●	35-44	2,160	18.3%
●	45-54	2,112	17.9%
●	55-64	2,462	20.9%
●	65+	1,657	14.0%

Occupation Race/Ethnicity Breakdown



	Race/Ethnicity	2018 Jobs	2018 Percent
●	White	6,480	54.9%
●	Asian	2,977	25.2%
●	Hispanic or Latino	1,423	12.1%
●	Two or More Races	484	4.1%
●	Black or African American	394	3.3%
●	Native Hawaiian or Other Pacific Islander	21	0.2%
●	American Indian or Alaska Native	14	0.1%

Occupational Programs

58	5,111	994
Programs (2017)	Completions (2017)	Openings (2017)

CIP Code	Program	Completions (2017)
24.0101	Liberal Arts and Sciences/Liberal Studies	3,286
23.0101	English Language and Literature, General	532
40.0801	Physics, General	248
13.0101	Education, General	241
38.0101	Philosophy	130

Industries Employing 2 Occupations

Industry	Occupation Group Jobs in Industry (2018)	% of Occupation Group in Industry (2018)	% of Total Jobs in Industry (2018)
Colleges, Universities, and Professional Schools (State Government)	5,574	47.3%	22.4%
Colleges, Universities, and Professional Schools (Local Government)	2,906	24.6%	30.7%
Colleges, Universities, and Professional Schools	1,559	13.2%	19.3%
Other Technical and Trade Schools	359	3.0%	29.2%
Research and Development in the Physical, Engineering, and Life Sciences (except Nanotechnology and Biotechnology)	248	2.1%	1.9%

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