

# 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

# 3 Occupations in 3 California Counties

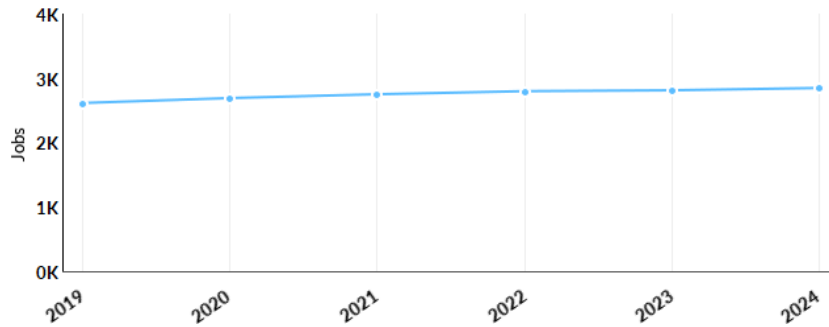
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# Occupation Summary for 3 Occupations

<b>2,612</b> Jobs (2019) 41% below National average	<b>8.9%</b> % Change (2019-2024) Nation: 3.9%	<b>\$23.15/hr</b> Median Hourly Earnings Nation: \$19.72/hr
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## Growth

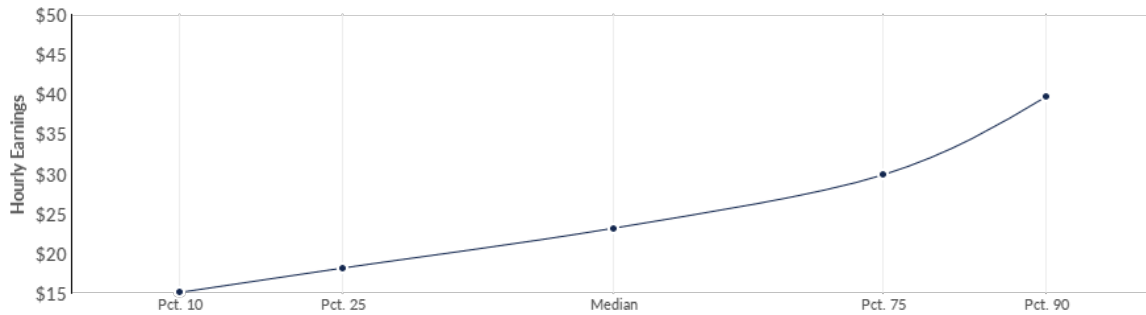
<b>2,612</b> 2019 Jobs	<b>2,845</b> 2024 Jobs	<b>233</b> Change (2019-2024)	<b>8.9%</b> % Change (2019-2024)
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Occupation	2019 Jobs	2024 Jobs	Change	% Change
Reinforcing Iron and Rebar Workers (47-2171)	171	173	2	1%
Welders, Cutters, Solderers, and Brazers (51-4121)	2,162	2,393	231	11%
Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders (51-4122)	279	279	0	0%

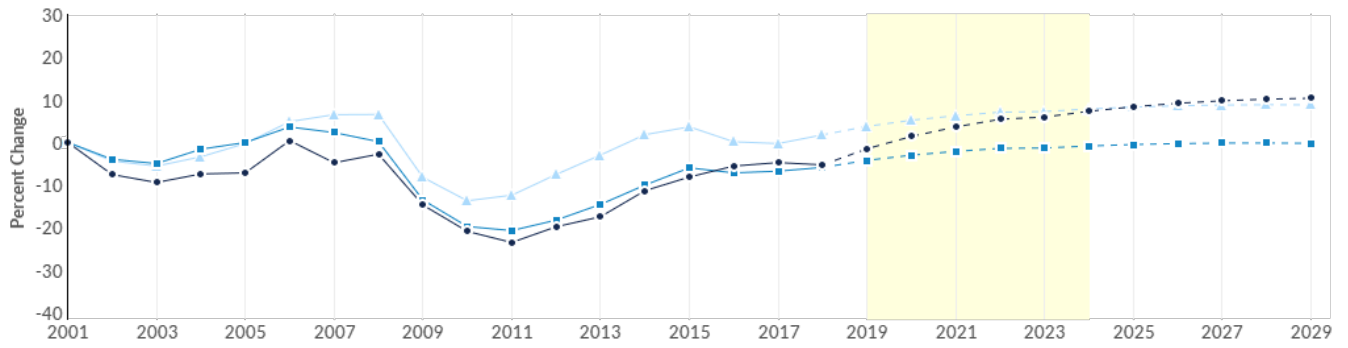
## Percentile Earnings

<b>\$18.15/hr</b> 25th Percentile Earnings	<b>\$23.15/hr</b> Median Earnings	<b>\$29.87/hr</b> 75th Percentile Earnings
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Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
Reinforcing Iron and Rebar Workers (47-2171)	\$15.59	\$20.03	\$26.68
Welders, Cutters, Solderers, and Brazers (51-4121)	\$18.72	\$23.83	\$30.74
Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders (51-4122)	\$16.75	\$20.22	\$25.40

## Regional Trends



	Region	2019 Jobs	2024 Jobs	Change	% Change
●	Region	2,612	2,845	233	8.9%
●	California	38,513	39,869	1,356	3.5%
●	United States	491,907	511,306	19,399	3.9%

# Regional Breakdown

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County	2024 Jobs
Alameda County, CA	1,780
Solano County, CA	535
Contra Costa County, CA	531

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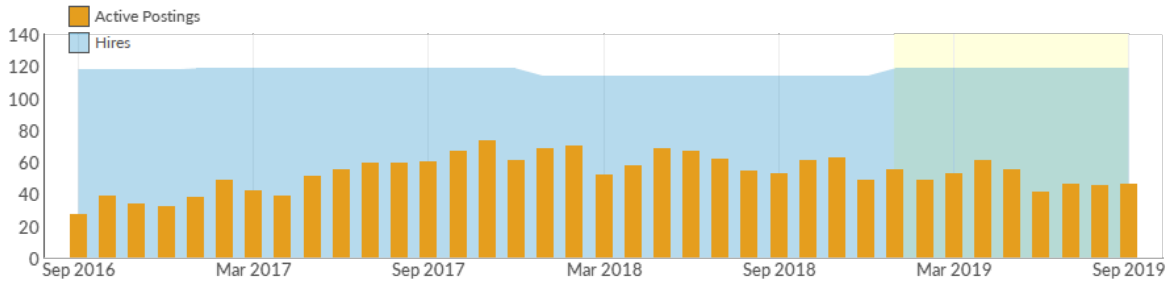
## Job Postings Summary

<b>208</b> Unique Postings 852 Total Postings	<b>4 : 1</b> Posting Intensity Regional Average: 4 : 1 	<b>33 days</b> Median Posting Duration Regional Average: 33 days
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There were **852** total job postings for your selection from January 2019 to September 2019, of which **208** 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

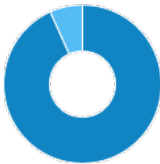
<b>50</b> Avg. Monthly Postings (Jan 2019 - Sep 2019)	<b>119</b> Avg. Monthly Hires (Jan 2019 - Sep 2019)
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Occupation	Avg Monthly Postings (Jan 2019 - Sep 2019)	Avg Monthly Hires (Jan 2019 - Sep 2019)
Welders, Cutters, Solderers, and Brazers	45	96
Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	4	11
Reinforcing Iron and Rebar Workers	1	11

# Occupation Gender Breakdown

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	Gender	2018 Jobs	2018 Percent
•	Males	2,342	93.3% 
•	Females	169	6.7% 

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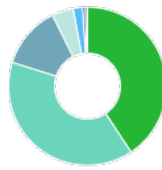
# Occupation Age Breakdown










	Age	2018 Jobs	2018 Percent
●	14-18	8	0.3%
●	19-24	176	7.0% ■
●	25-34	609	24.2% ■■
●	35-44	606	24.1% ■■
●	45-54	596	23.7% ■■
●	55-64	425	16.9% ■■
●	65+	92	3.7% ■

## Occupation Race/Ethnicity Breakdown

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	Race/Ethnicity	2018 Jobs	2018 Percent
●	Hispanic or Latino	1,022	40.7% 
●	White	983	39.1% 
●	Asian	322	12.8% 
●	Black or African American	111	4.4% 
●	Two or More Races	48	1.9% 
●	American Indian or Alaska Native	14	0.6% 
●	Native Hawaiian or Other Pacific Islander	12	0.5% 

## Occupational Programs

<b>2</b> Programs (2017)		<b>34</b> Completions (2017)	<b>314</b> Openings (2017)
CIP Code	Program	Completions (2017)	
48.0508	Welding Technology/Welder	34	
46.0000	Construction Trades, General	0	

## Industries Employing 3 Occupations

Industry	Occupation Group Jobs in Industry (2018)	% of Occupation Group in Industry (2018)	% of Total Jobs in Industry (2018)
Semiconductor Machinery Manufacturing	199	7.9%	4.9%
Sheet Metal Work Manufacturing	185	7.4%	10.0%
Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance	164	6.5%	8.8%
Automobile Manufacturing	123	4.9%	0.9%
Fabricated Structural Metal Manufacturing	110	4.4%	10.2%

# 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