

# 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

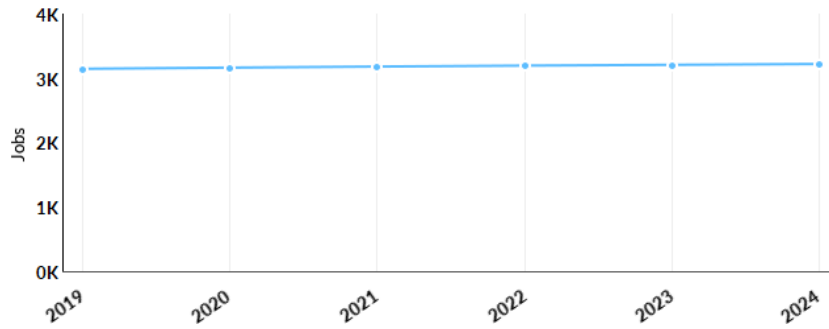
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## Occupation Summary for 3 Occupations

<b>3,143</b> Jobs (2019) 9% below National average	<b>2.4%</b> % Change (2019-2024) Nation: 3.4%	<b>\$43.01/hr</b> Median Hourly Earnings Nation: \$23.30/hr
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## Growth

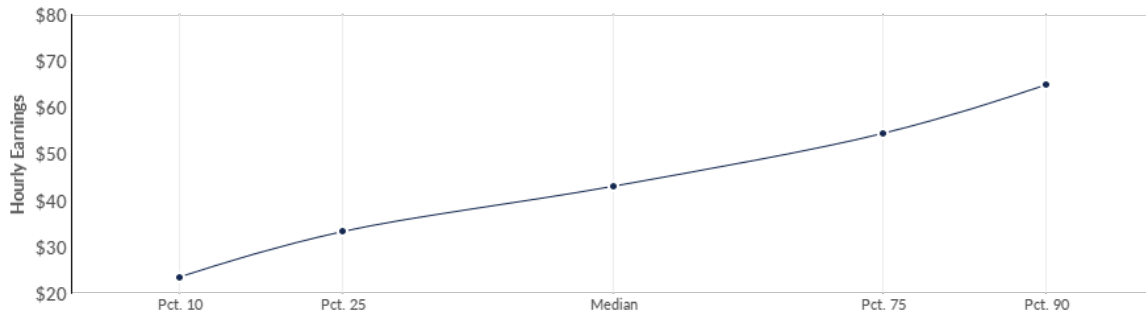
<b>3,143</b> 2019 Jobs	<b>3,218</b> 2024 Jobs	<b>75</b> Change (2019-2024)	<b>2.4%</b> % Change (2019-2024)
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Occupation	2019 Jobs	2024 Jobs	Change	% Change
Forest and Conservation Technicians (19-4093)	285	288	3	1%
Firefighters (33-2011)	2,790	2,860	70	3%
Fire Inspectors and Investigators (33-2021)	68	71	3	4%

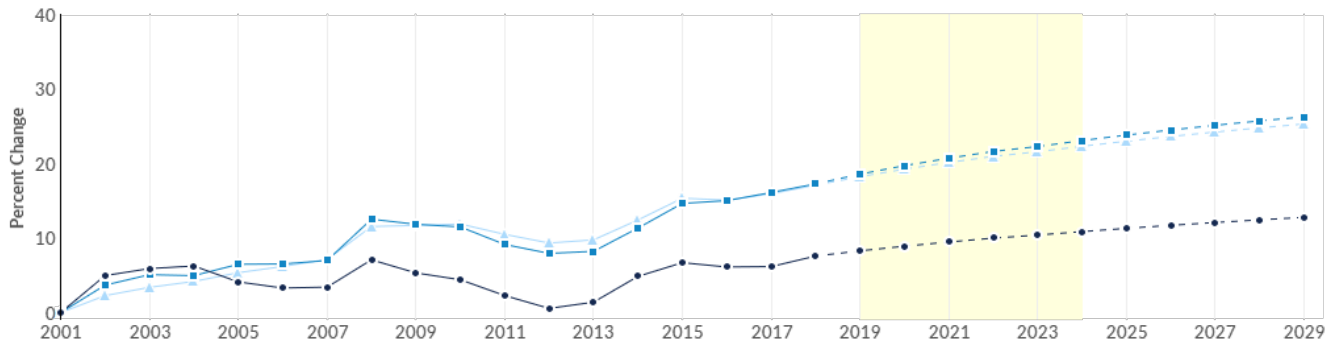
## Percentile Earnings

<b>\$33.27/hr</b> 25th Percentile Earnings	<b>\$43.01/hr</b> Median Earnings	<b>\$54.44/hr</b> 75th Percentile Earnings
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Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
Forest and Conservation Technicians (19-4093)	\$13.42	\$20.25	\$28.45
Firefighters (33-2011)	\$36.10	\$44.60	\$55.51
Fire Inspectors and Investigators (33-2021)	\$42.16	\$51.93	\$65.72

# Regional Trends



	Region	2019 Jobs	2024 Jobs	Change	% Change
●	Region	3,143	3,218	75	2.4%
●	California	42,555	44,170	1,615	3.8%
●	United States	380,202	393,293	13,091	3.4%

# Regional Breakdown

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County	2024 Jobs
Alameda County, CA	1,920
Contra Costa County, CA	769
Solano County, CA	528

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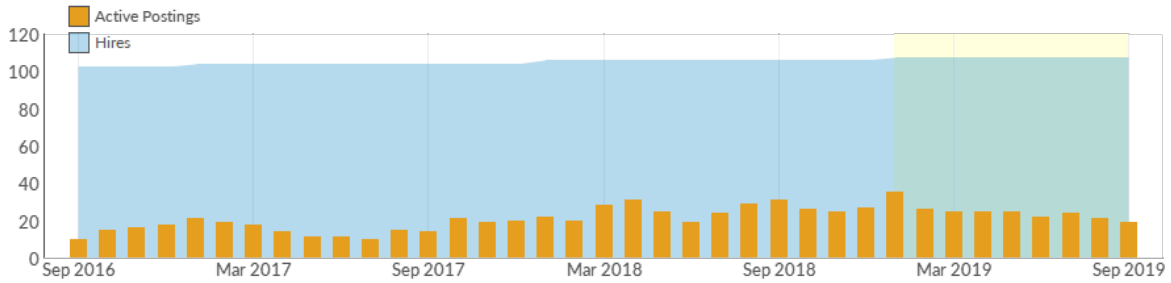
## Job Postings Summary

<b>86</b> Unique Postings 316 Total Postings	<b>4 : 1</b> Posting Intensity Regional Average: 4 : 1 	<b>43 days</b> Median Posting Duration Regional Average: 33 days
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There were **316** total job postings for your selection from January 2019 to September 2019, of which **86** 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

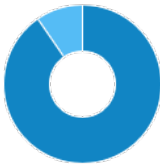
<b>25</b> Avg. Monthly Postings (Jan 2019 - Sep 2019)	<b>107</b> Avg. Monthly Hires (Jan 2019 - Sep 2019)
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Occupation	Avg Monthly Postings (Jan 2019 - Sep 2019)	Avg Monthly Hires (Jan 2019 - Sep 2019)
Fire Inspectors and Investigators	16	3
Firefighters	6	95
Forest and Conservation Technicians	2	9

# Occupation Gender Breakdown

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	Gender	2018 Jobs	2018 Percent	
•	Males	2,822	90.4%	
•	Females	300	9.6%	

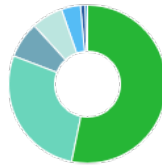
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# Occupation Age Breakdown



	Age	2018 Jobs	2018 Percent
●	14-18	9	0.3%
●	19-24	227	7.3% ■
●	25-34	1,000	32.0% ■■■■
●	35-44	969	31.0% ■■■■
●	45-54	654	20.9% ■■■■
●	55-64	236	7.6% ■■
●	65+	27	0.9%

## Occupation Race/Ethnicity Breakdown



	Race/Ethnicity	2018 Jobs	2018 Percent
●	White	1,662	53.2%
●	Hispanic or Latino	860	27.5%
●	Black or African American	232	7.4%
●	Asian	201	6.4%
●	Two or More Races	122	3.9%
●	American Indian or Alaska Native	29	0.9%
●	Native Hawaiian or Other Pacific Islander	16	0.5%

## Occupational Programs

<b>8</b>		<b>218</b>	<b>262</b>
<b>Programs (2017)</b>		<b>Completions (2017)</b>	<b>Openings (2017)</b>
<b>CIP Code</b>	<b>Program</b>	<b>Completions (2017)</b>	
43.0201	Fire Prevention and Safety Technology/Technician	119	
03.0101	Natural Resources/Conservation, General	86	
03.0506	Forest Management/Forest Resources Management	6	
03.0501	Forestry, General	4	
03.0199	Natural Resources Conservation and Research, Other	3	

## Industries Employing 3 Occupations

Industry	Occupation Group Jobs in Industry (2018)	% of Occupation Group in Industry (2018)	% of Total Jobs in Industry (2018)
Local Government, Excluding Education and Hospitals	2,619	83.9%	4.8%
Federal Government, Civilian, Excluding Postal Service	193	6.2%	1.7%
State Government, Excluding Education and Hospitals	88	2.8%	0.6%
All Other Support Services	53	1.7%	3.4%
Federal Government, Military	48	1.5%	0.4%

# 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