

# 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

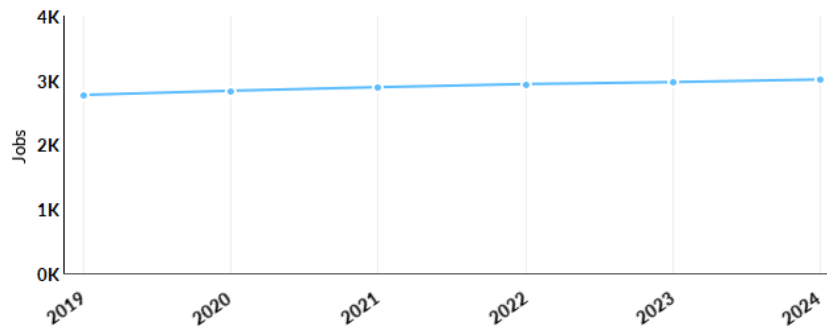
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## Occupation Summary for 3 Occupations

<b>2,769</b> Jobs (2019) 3% below National average	<b>8.6%</b> % Change (2019-2024) Nation: 9.3%	<b>\$28.42/hr</b> Median Hourly Earnings Nation: \$23.22/hr
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## Growth

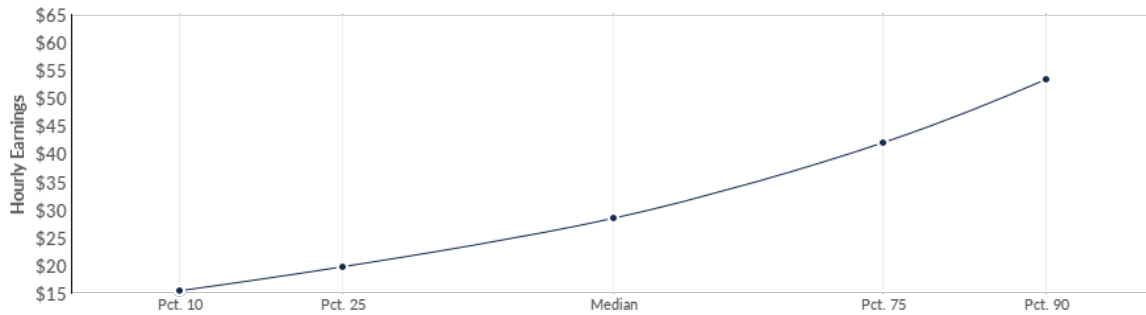
<b>2,769</b> 2019 Jobs	<b>3,008</b> 2024 Jobs	<b>239</b> Change (2019-2024)	<b>8.6%</b> % Change (2019-2024)
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Occupation	2019 Jobs	2024 Jobs	Change	% Change
Chemical Technicians (19-4031)	555	598	43	8%
Respiratory Therapists (29-1126)	1,222	1,276	54	4%
Veterinary Technologists and Technicians (29-2056)	991	1,134	143	14%

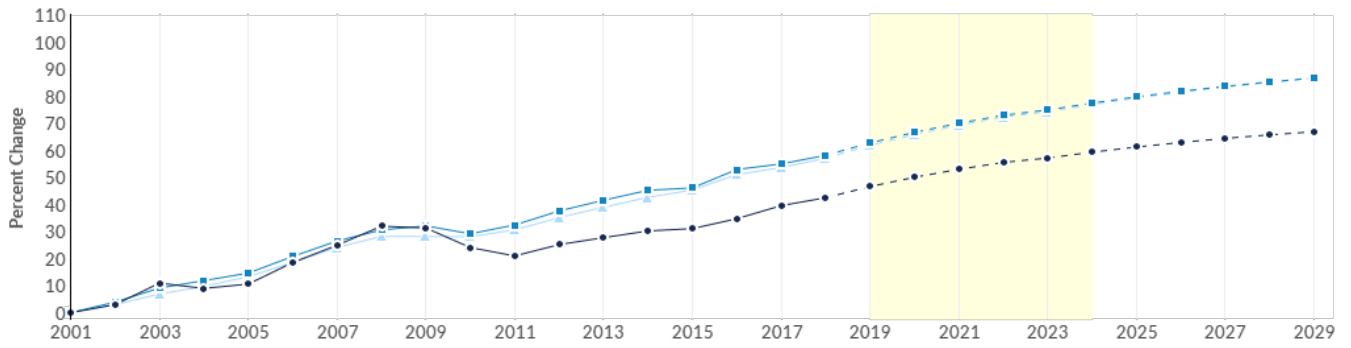
## Percentile Earnings

<b>\$19.74/hr</b> 25th Percentile Earnings	<b>\$28.42/hr</b> Median Earnings	<b>\$42.02/hr</b> 75th Percentile Earnings
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Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
Chemical Technicians (19-4031)	\$17.13	\$21.82	\$27.09
Respiratory Therapists (29-1126)	\$35.01	\$43.44	\$52.20
Veterinary Technologists and Technicians (29-2056)	\$16.17	\$19.91	\$25.15

# Regional Trends



	Region	2019 Jobs	2024 Jobs	Change	% Change
●	Region	2,769	3,008	239	8.6%
●	California	34,272	37,371	3,099	9.0%
●	United States	316,143	345,664	29,521	9.3%

# Regional Breakdown

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County	2024 Jobs
Alameda County, CA	1,659
Contra Costa County, CA	903
Solano County, CA	447

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## Job Postings Summary

<b>805</b> Unique Postings 4,866 Total Postings	<b>6 : 1</b> Posting Intensity Regional Average: 4 : 1 	<b>36 days</b> Median Posting Duration Regional Average: 33 days
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There were **4,866** total job postings for your selection from January 2019 to September 2019, of which **805** 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.

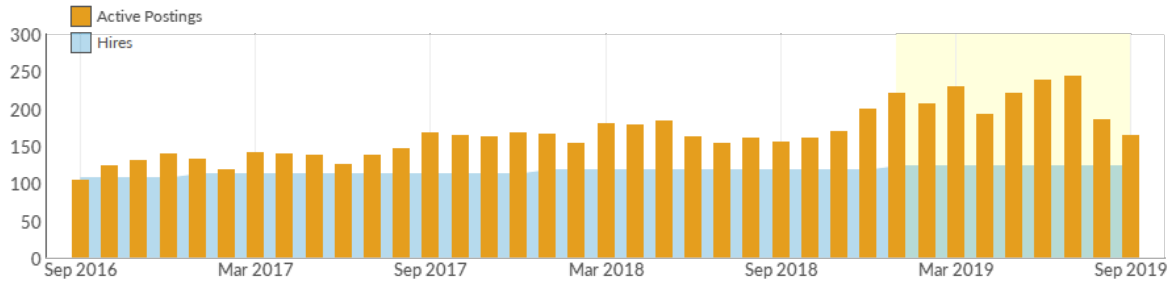
## Job Postings vs. Hires

**211**

**Avg. Monthly Postings (Jan 2019 - Sep 2019)**

**123**

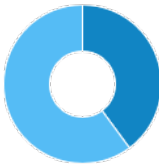
**Avg. Monthly Hires (Jan 2019 - Sep 2019)**




Occupation	Avg Monthly Postings (Jan 2019 - Sep 2019)	Avg Monthly Hires (Jan 2019 - Sep 2019)
Respiratory Therapists	82	29
Chemical Technicians	76	17
Veterinary Technologists and Technicians	53	77

# Occupation Gender Breakdown

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	Gender	2018 Jobs	2018 Percent	
•	Males	1,072	39.9%	
•	Females	1,618	60.1%	

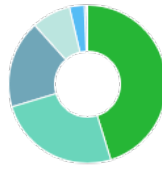
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# Occupation Age Breakdown



	Age	2018 Jobs	2018 Percent
●	14-18	10	0.4%
●	19-24	208	7.7% ■
●	25-34	714	26.6% ■■
●	35-44	669	24.9% ■■
●	45-54	571	21.2% ■■
●	55-64	446	16.6% ■■
●	65+	73	2.7% ■

## Occupation Race/Ethnicity Breakdown



	Race/Ethnicity	2018 Jobs	2018 Percent	
●	White	1,217	45.2%	<div style="width: 45.2%;"></div>
●	Asian	676	25.1%	<div style="width: 25.1%;"></div>
●	Hispanic or Latino	483	18.0%	<div style="width: 18.0%;"></div>
●	Black or African American	214	8.0%	<div style="width: 8.0%;"></div>
●	Two or More Races	82	3.0%	<div style="width: 3.0%;"></div>
●	Native Hawaiian or Other Pacific Islander	11	0.4%	<div style="width: 0.4%;"></div>
●	American Indian or Alaska Native	7	0.3%	<div style="width: 0.3%;"></div>

## Occupational Programs

<b>4</b>		<b>525</b>	<b>244</b>
<b>Programs (2017)</b>		<b>Completions (2017)</b>	<b>Openings (2017)</b>
<b>CIP Code</b>	<b>Program</b>	<b>Completions (2017)</b>	
51.0000	Health Services/Allied Health/Health Sciences, General	427	
51.0808	Veterinary/Animal Health Technology/Technician and Veterinary Assistant	81	
51.0908	Respiratory Care Therapy/Therapist	16	
41.0301	Chemical Technology/Technician	1	

## Industries Employing 3 Occupations

Industry	Occupation Group Jobs in Industry (2018)	% of Occupation Group in Industry (2018)	% of Total Jobs in Industry (2018)
Veterinary Services	865	32.2%	22.5%
General Medical and Surgical Hospitals	691	25.7%	2.5%
Hospitals (Local Government)	204	7.6%	2.0%
Testing Laboratories	112	4.2%	3.9%
Research and Development in the Physical, Engineering, and Life Sciences (except Nanotechnology and Biotechnology)	88	3.3%	0.7%

# 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