# Occupation Overview

Emsi Q3 2019 Data Set

October 2019

## Contra Costa Community College District

# Parameters

## Occupations


## Regions


## Timeframe

2019 - 2024


## Datarun

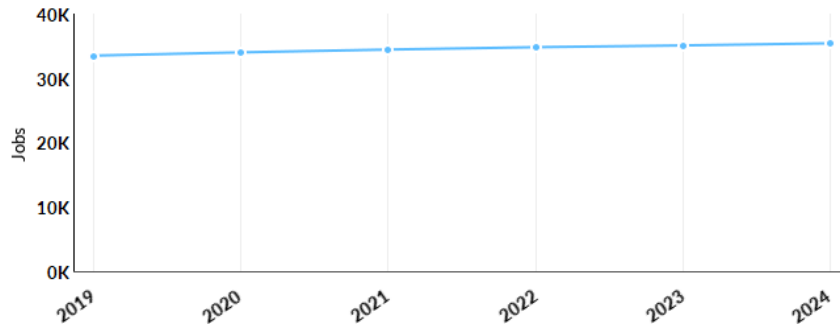2019.3 – QCEW Employees, Non-QCEW Employees, and Self-Employed

# 3 Education, Training, and Library Occupations in 3 California Counties

# Occupation Summary for 3 Education, Training, and Library Occupations

| 33,478 | 5.7% | $21.63/hr |
|:---:|:---:|:---:|
| **Jobs (2019)** | **% Change (2019-2024)** | **Median Hourly Earnings** |
| 10% above National average | Nation: 4.7% | Nation: $17.97/hr |

# Growth

| 33,478 | 35,392 | 1,914 | 5.7% |
|:---:|:---:|:---:|:---:|
| **2019 Jobs** | **2024 Jobs** | **Change (2019-2024)** | **% Change (2019-2024)** |



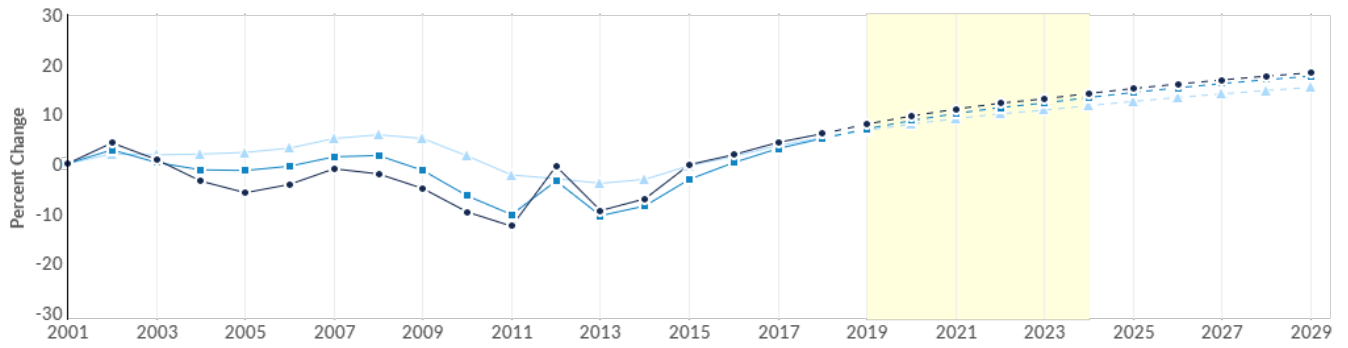| Occupation | 2019 Jobs | 2024 Jobs | Change | % Change |
|---|:---:|:---:|:---:|:---:|
| Preschool Teachers, Except Special Education (25-2011) | 6,397 | 6,845 | 448 | 7% |
| Elementary School Teachers, Except Special Education (25-2021) | 13,416 | 14,090 | 674 | 5% |
| Teacher Assistants (25-9041) | 13,664 | 14,458 | 794 | 6% |

## Percentile Earnings

| $16.25/hr | $21.63/hr | $32.81/hr |
|---|---|---|
| **25th Percentile Earnings** | **Median Earnings** | **75th Percentile Earnings** |



| Occupation | 25th Percentile Earnings | Median Earnings | 75th Percentile Earnings |
|---|---|---|---|
| Preschool Teachers, Except Special Education (25-2011) | $15.65 | $18.24 | $21.51 |
| Elementary School Teachers, Except Special Education (25-2021) | $28.54 | $36.44 | $45.18 |
| Teacher Assistants (25-9041) | $13.55 | $16.80 | $20.60 |
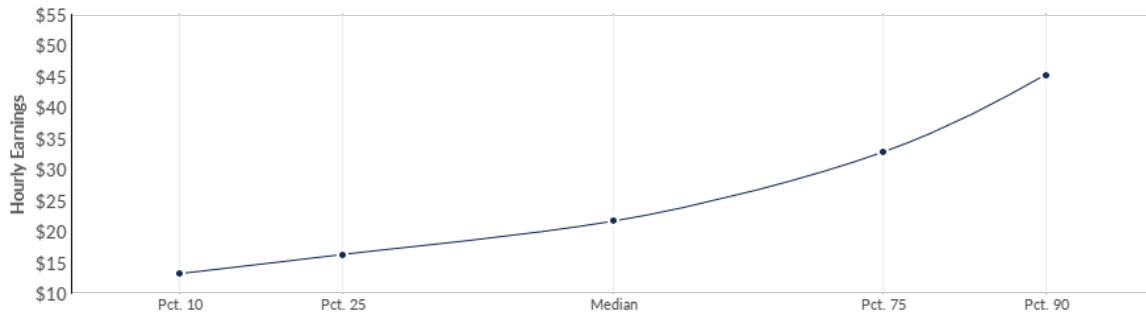
# Regional Trends



| Region | 2019 Jobs | 2024 Jobs | Change | % Change |
|---|---|---|---|---|
| ● Region | 33,478 | 35,392 | 1,914 | 5.7% |
| ● California | 414,441 | 438,818 | 24,377 | 5.9% |
| ● United States | 3,371,586 | 3,528,998 | 157,412 | 4.7% |

# Regional Breakdown



| County | 2024 Jobs |
| --- | --- |
| Alameda County, CA | 19,131 |
| Contra Costa County, CA | 12,537 |
| Solano County, CA | 3,725 |

# Job Postings Summary

| **4,599** | **4 : 1** | **30 days** |
|:---:|:---:|:---:|
| **Unique Postings** | **Posting Intensity** | **Median Posting Duration** |
| | Regional Average: 4 : 1 | |
| 17,486 Total Postings | | Regional Average: 33 days |

There were **17,486** total job postings for your selection from January 2019 to September 2019, of which **4,599** 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
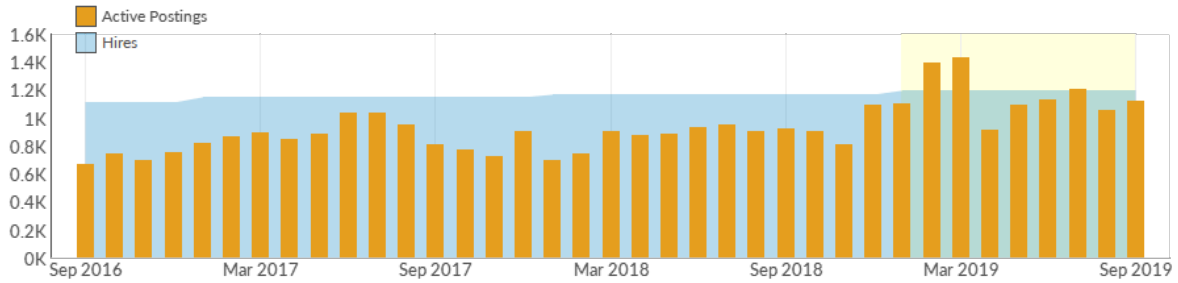
| **1,161** | **1,193** |
|:---:|:---:|
| Avg. Monthly Postings (Jan 2019 - Sep 2019) | Avg. Monthly Hires (Jan 2019 - Sep 2019) |



| Occupation | Avg Monthly Postings (Jan 2019 - Sep 2019) | Avg Monthly Hires (Jan 2019 - Sep 2019) |
|---|---:|---:|
| Teacher Assistants | 445 | 491 |
| Preschool Teachers, Except Special Education | 412 | 278 |
| Elementary School Teachers, Except Special Education | 304 | 424 |

# Occupation Gender Breakdown
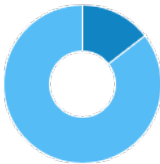


| | Gender | 2018 Jobs | 2018 Percent | |
|---|---|---|---|---|
| ● | Males | 4,784 | 14.5% | ▬ |
| ● | Females | 28,097 | 85.5% | ▬▬▬▬▬ |

# Occupation Age Breakdown



| | Age | 2018 Jobs | 2018 Percent | |
|---|---|---|---|---|
| ● | 14-18 | 146 | 0.4% | |
| ● | 19-24 | 2,244 | 6.8% | |
| ● | 25-34 | 7,175 | 21.8% | |
| ● | 35-44 | 7,731 | 23.5% | |
| ● | 45-54 | 8,276 | 25.2% | |
| ● | 55-64 | 5,719 | 17.4% | |
| ● | 65+ | 1,589 | 4.8% | |

# Occupation Race/Ethnicity Breakdown
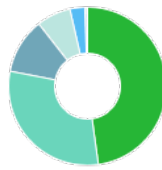


| | Race/Ethnicity | 2018 Jobs | 2018 Percent | |
|---|---|---|---|---|
| ● | White | 15,719 | 47.8% | |
| ● | Hispanic or Latino | 9,937 | 30.2% | |
| ● | Asian | 3,738 | 11.4% | |
| ● | Black or African American | 2,299 | 7.0% | |
| ● | Two or More Races | 999 | 3.0% | |
| ● | American Indian or Alaska Native | 107 | 0.3% | |
| ● | Native Hawaiian or Other Pacific Islander | 82 | 0.2% | |

# Occupational Programs

| 7 | 572 | 3,414 |
|:---:|:---:|:---:|
| **Programs (2017)** | **Completions (2017)** | **Openings (2017)** |

| CIP Code | Program | Completions (2017) |
|---|---|---:|
| 13.0101 | Education, General | 241 |
| 13.1202 | Elementary Education and Teaching | 169 |
| 13.1210 | Early Childhood Education and Teaching | 63 |
| 13.1206 | Teacher Education, Multiple Levels | 56 |
| 13.1207 | Montessori Teacher Education | 26 |

# Industries Employing 3 Education, Training, and Library Occupations

| Industry | Occupation Group Jobs in Industry (2018) | % of Occupation Group in Industry (2018) | % of Total Jobs in Industry (2018) |
|---|---|---|---|
| Elementary and Secondary Schools (Local Government) | 20,139 | 61.2% | 34.5% |
| Child Day Care Services | 4,944 | 15.0% | 41.3% |
| Elementary and Secondary Schools | 3,942 | 12.0% | 33.0% |
| Religious Organizations | 919 | 2.8% | 8.7% |
| Colleges, Universities, and Professional Schools (Local Government) | 414 | 1.3% | 4.4% |

# 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