

Occupation Overview

Emsi Q1 2018 Data Set

March 2018

Ventura County Community College District



4667 Telegraph Road
Ventura, California 93003
805.648.8976

Parameters

Occupations

Code	Description
17-3012	Electrical and Electronics Drafters

Regions

Code	Description
6037	Los Angeles County, CA
6111	Ventura County, CA

Timeframe

2017 - 2022

Datarun

2018.1 – QCEW Employees, Non-QCEW Employees, and Self-Employed

Electrical and Electronics Drafters in 2 California Counties

Electrical and Electronics Drafters (SOC 17-3012):

Prepare wiring diagrams, circuit board assembly diagrams, and layout drawings used for the manufacture, installation, or repair of electrical equipment.

Sample of Reported Job Titles:

Integrated Circuit IC Layout Designer (IC Layout Designer)

Senior Printed Circuit Board PCB Designer

Senior Designer

Printed Circuit Board PCB Draftsman (PCB Draftsman)

Printed Circuit Board PCB Designer (PCB Designer)

Electrical Drafter

Instrumentation Designer

Staking Technician

Staking Engineer

Senior Engineering Associate

Related O*NET Occupations:

Electronic Drafters (17-3012.01)

Electrical Drafters (17-3012.02)

Occupation Summary for Electrical and Electronics Drafters

<p>843</p> <p>Jobs (2017)</p> <p>14% below National average</p>	<p>-3.3%</p> <p>% Change (2017-2022)</p> <p>Nation: +4.8%</p>	<p>\$31.71/hr</p> <p>Median Hourly Earnings</p> <p>Nation: \$29.08/hr</p>
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Growth for Electrical and Electronics Drafters (17-3012)

843

2017 Jobs

815

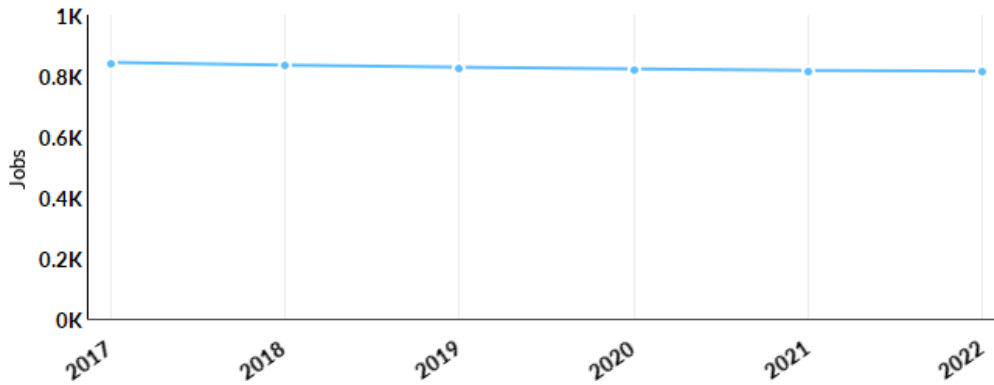
2022 Jobs

-28

Change (2017-2022)

-3.3%

% Change (2017-2022)



Percentile Earnings for Electrical and Electronics Drafters (17-3012)

\$25.50/hr

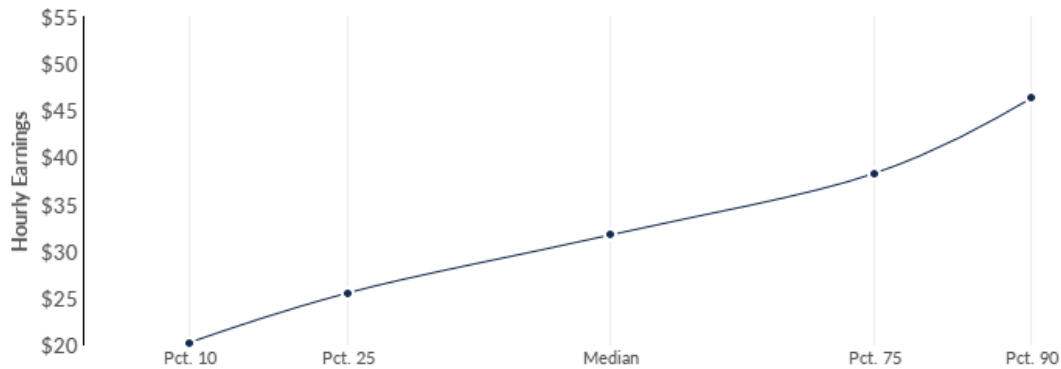
25th Percentile Earnings

\$31.71/hr

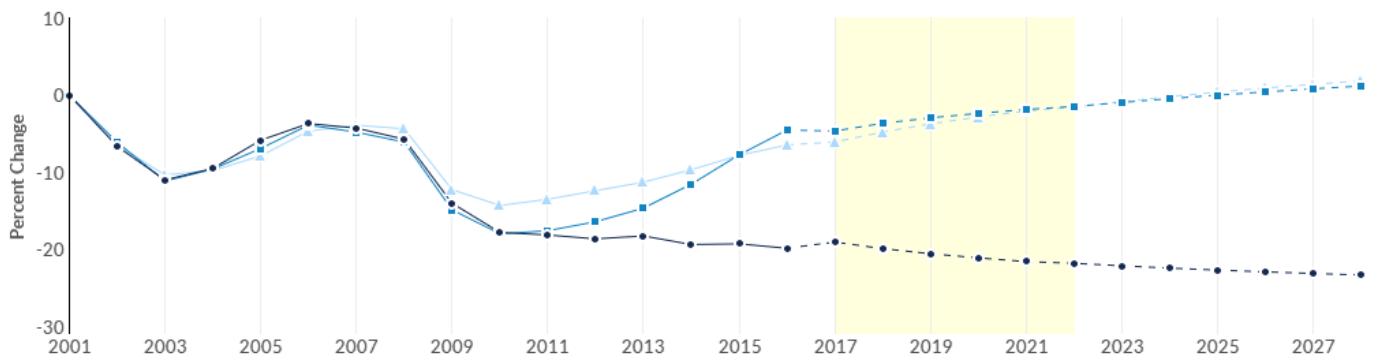
Median Earnings

\$38.25/hr

75th Percentile Earnings

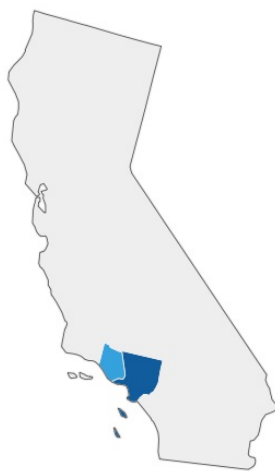


Regional Trends



Region	2017 Jobs	2022 Jobs	Change	% Change
● Region	843	815	-28	-3.3%
■ State	5,368	5,548	180	3.4%
▲ Nation	28,977	30,369	1,392	4.8%

Regional Breakdown



County	2022 Jobs
Los Angeles County, CA	750
Ventura County, CA	65

Job Postings Summary

89

Unique Postings (Jan 2017 - Feb 2018)
309 Total Postings

3 : 1

Posting Intensity (Jan 2017 - Feb 2018)



There were 309 total job postings for your selection from January 2017 to February 2018, of which 89 were unique. These numbers give us a Posting Intensity of 3-to-1, meaning that for every 3 postings there is 1 unique job posting.

This is lower than the Posting Intensity for all other occupations and companies in the region (7-to-1), indicating that they may not be trying as hard to hire for this position.

Job Postings vs. Hires

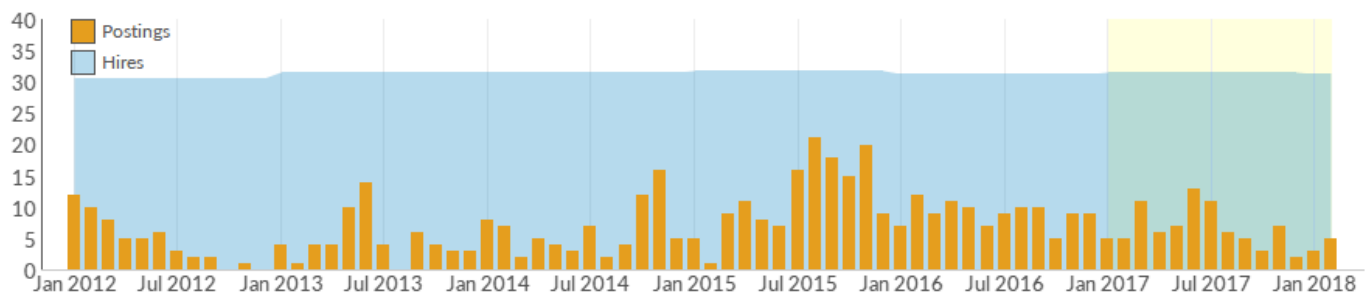
6

Avg. Monthly Postings (Jan 2017 - Feb 2018)

31

Avg. Monthly Hires (Jan 2017 - Feb 2018)

In an average month, there were 6 unique job postings for *Electrical and Electronics Drafters*, and 31 actually hired. This means there were approximately 5 hires for *Electrical and Electronics Drafters* for every 1 unique job posting.



Occupation	Avg Monthly Postings (Jan 2017 - Feb 2018)	Avg Monthly Hires (Jan 2017 - Feb 2018)
Electrical and Electronics Drafters	6	31

Occupation Gender Breakdown



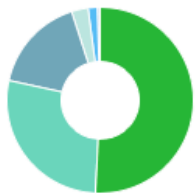
Gender	2017 Jobs	2017 Percent
● Males	655	77.7%
● Females	188	22.3%

Occupation Age Breakdown



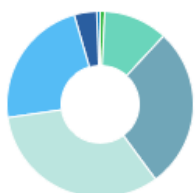
Age	2017 Jobs	2017 Percent
● 14-18	2	0.3%
● 19-24	51	6.1%
● 25-34	193	22.9%
● 35-44	176	20.8%
● 45-54	196	23.3%
● 55-64	168	19.9%
● 65+	57	6.8%

Occupation Race/Ethnicity Breakdown



Race/Ethnicity	2017 Jobs	2017 Percent
White	428	50.8%
Hispanic or Latino	233	27.6%
Asian	140	16.6%
Black or African American	24	2.9%
Two or More Races	13	1.6%
American Indian or Alaska Native	2	0.3%
Native Hawaiian or Other Pacific Islander	2	0.2%

National Educational Attainment



Education Level	2017 Percent
Less than high school diploma	0.8%
High school diploma or equivalent	11.1%
Some college, no degree	28.0%
Associate's degree	32.8%
Bachelor's degree	22.8%
Master's degree	3.9%
Doctoral or professional degree	0.6%

Occupational Programs

1 Programs (2016)	19 Completions (2016)	78 Openings (2016)
CIP Code	Program	Completions (2016)
15.1305	Electrical/Electronics Drafting and Electrical/Electronics CAD/CADD	19

Industries Employing Electrical and Electronics Drafters

Industry	Occupation Jobs in Industry (2017)	% of Occupation in Industry (2017)	% of Total Jobs in Industry (2017)
Engineering Services	180	21.3%	0.8%
Electrical Contractors and Other Wiring Installation Contractors	69	8.2%	0.3%
Plumbing, Heating, and Air-Conditioning Contractors	34	4.0%	0.1%
Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing	32	3.8%	0.2%
Cable and Other Subscription Programming	29	3.5%	0.5%

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.

CareerBuilder/Emsi Job Postings

Job postings are collected from various sources and processed/enriched by Careerbuilder to provide information such as standardized company name, occupation, skills, and geography. Emsi performs additional filtering and processing to improve compatibility with Emsi data.

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; South Dakota Department of Labor, Labor Market Information Division