Occupation Overview

Emsi Q1 2018 Data Set

March 2018

San Diego Community College District

3375 Camino del Rio South
San Diego, California 92108
619.388.6860

Parameters

Occupations

Code	Description
49-3042	Mobile Heavy Equipment Mechanics, Except Engines
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists
49-3041	Farm Equipment Mechanics and Service Technicians
49-9041	Industrial Machinery Mechanics

Regions

Code	Description
6073	San Diego County, CA

Timeframe

2016 - 2017

Datarun

2018.1 – QCEW Employees

Occupation Summary for 4 Installation, Maintenance, and Repair Occupations

3,977	+2.2%	$25.99/hr
Jobs (2016)	**% Change (2016-2017)**	**Median Hourly Earnings**
46% below National average	Nation: +1.5%	Nation: $22.92/hr

Growth

3,977	4,063	86	2.2%
2016 Jobs	2017 Jobs	Change (2016-2017)	% Change (2016-2017)
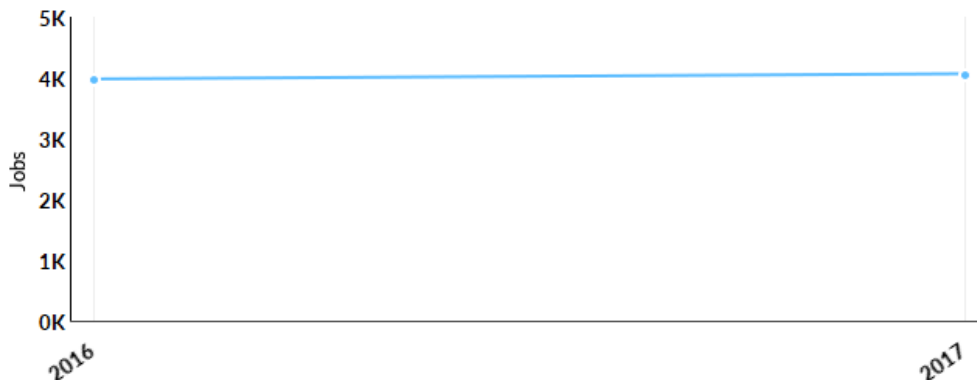
Occupation	2016 Jobs	2017 Jobs	Change	% Change
Bus and Truck Mechanics and Diesel Engine Specialists (49-3031)	1,576	1,604	28	2%
Farm Equipment Mechanics and Service Technicians (49-3041)	64	65	1	2%
Mobile Heavy Equipment Mechanics, Except Engines (49-3042)	511	521	10	2%
Industrial Machinery Mechanics (49-9041)	1,827	1,874	47	3%

Percentile Earnings

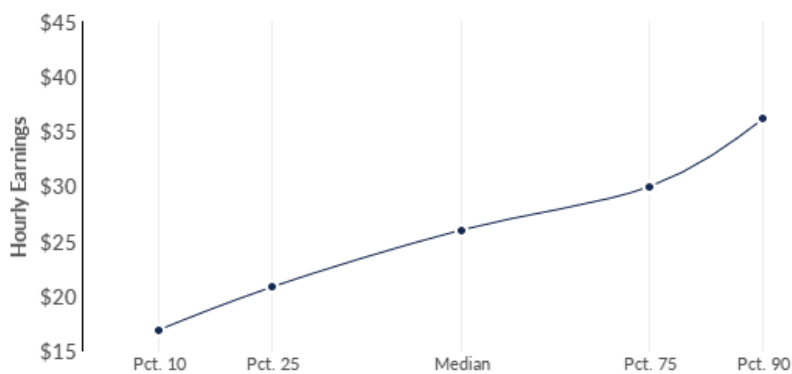| $20.80/hr	$25.99/hr	$29.97/hr
25th Percentile Earnings	Median Earnings	75th Percentile Earnings

Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
Bus and Truck Mechanics and Diesel Engine Specialists (49-3031)	$18.13	$24.27	$29.71
Farm Equipment Mechanics and Service Technicians (49-3041)	$16.58	$20.79	$26.18
Mobile Heavy Equipment Mechanics, Except Engines (49-3042)	$21.94	$25.90	$29.42
Industrial Machinery Mechanics (49-9041)	$23.23	$27.11	$30.29

Regional Trends
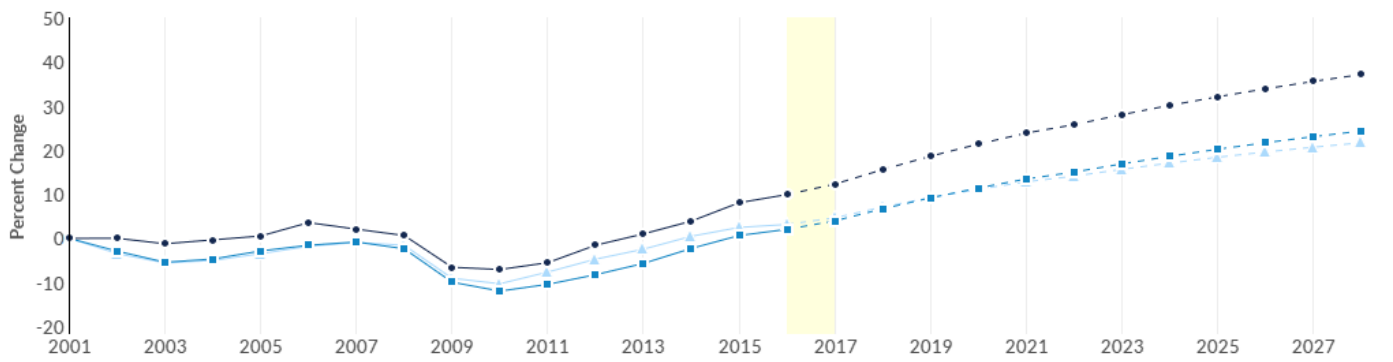
Region		2016 Jobs	2017 Jobs	Change	% Change
●	Region	3,977	4,063	86	2.2%
■	State	62,075	63,237	1,162	1.9%
▲	Nation	749,133	760,183	11,050	1.5%

Regional Breakdown

* Highlighted areas show counties that contain the selected zip codes

ZIP	2017 Jobs
San Diego, CA 92121 (in San Diego county)	349
Chula Vista, CA 91911 (in San Diego county)	204
El Cajon, CA 92020 (in San Diego county)	170
San Diego, CA 92123 (in San Diego county)	164
San Diego, CA 92111 (in San Diego county)	156

Job Postings Summary

3,593	**6 : 1**
Unique Postings (Jan 2016 - Dec 2017)	Posting Intensity (Jan 2016 - Dec 2017)
20,273 Total Postings	Regional Average: 7 : 1

There were **20,273** total job postings for your selection from January 2016 to December 2017, of which **3,593** 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 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.
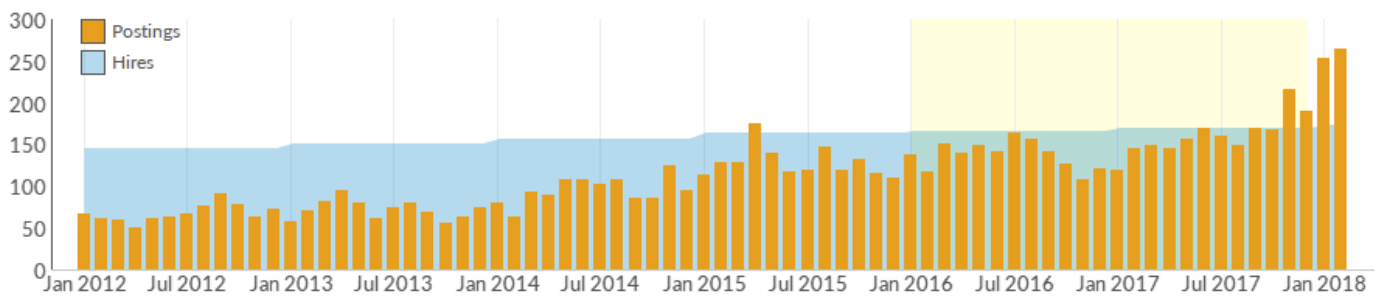
Job Postings vs. Hires

| 150	167
Avg. Monthly Postings (Jan 2016 - Dec 2017)	Avg. Monthly Hires (Jan 2016 - Dec 2017)

In an average month, there were **150** unique job postings for *4 Occupations*, and **167** actually hired. This means there was approximately 1 hire for *4 Occupations* for every 1 unique job posting.

| Occupation	Avg Monthly Postings (Jan 2016 - Dec 2017)	Avg Monthly Hires (Jan 2016 - Dec 2017)
Bus and Truck Mechanics and Diesel Engine Specialists	76	73
Industrial Machinery Mechanics	56	66
Mobile Heavy Equipment Mechanics, Except Engines	13	25
Farm Equipment Mechanics and Service Technicians	5	4

Occupation Gender Breakdown
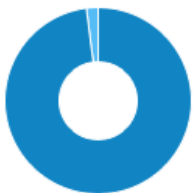
Gender	2017 Jobs	2017 Percent	
Males	3,981	98.0%	
Females	82	2.0%	

Occupation Age Breakdown

Age	2017 Jobs	2017 Percent	
🟢 14-18	6	0.1%	▏
🟢 19-24	211	5.2%	▪
🔵 25-34	777	19.1%	▬
🔵 35-44	913	22.5%	▬
🔵 45-54	1,151	28.3%	▬▬
🔵 55-64	861	21.2%	▬
🔵 65+	144	3.5%	▪

Occupation Race/Ethnicity Breakdown
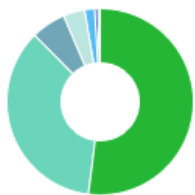
Race/Ethnicity	2017 Jobs	2017 Percent	
🟢 White	2,113	52.0%	▬▬▬
🟢 Hispanic or Latino	1,447	35.6%	▬▬
🔵 Asian	243	6.0%	▪
🔵 Black or African American	151	3.7%	▪
🔵 Two or More Races	71	1.7%	▏
🔵 Native Hawaiian or Other Pacific Islander	23	0.6%	▏
🔵 American Indian or Alaska Native	16	0.4%	▏

Occupational Programs

2	95	434
Programs (2016)	Completions (2016)	Openings (2016)

CIP Code	Program	Completions (2016)
47.0605	Diesel Mechanics Technology/Technician	74
47.0302	Heavy Equipment Maintenance Technology/Technician	21

Industries Employing 4 Installation, Maintenance, and Repair Occupations

Industry	Occupation Group Jobs in Industry (2017)	% of Occupation Group in Industry (2017)	% of Total Jobs in Industry (2017)
Local Government, Excluding Education and Hospitals	340	8.4%	0.6%
Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance	184	4.5%	22.0%
General Automotive Repair	144	3.5%	4.5%
Federal Government, Civilian, Excluding Postal Service	122	3.0%	0.3%
Natural Gas Distribution	104	2.6%	2.3%

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; Nevada Department of Employment, Training and Rehabilitation, Information Development and Processing Division, Research and Analysis Bureau