

Program Market Demand

Mechanical Drafting and Mechanical Drafting CAD/CADD

Emsi Q1 2018 Data Set

March 2018

Ventura County Community College District



4667 Telegraph Road
Ventura, California 93003
805.648.8976

Parameters

Programs

Code	Description
15.1306	Mechanical Drafting and Mechanical Drafting CAD/CADD

Regions

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

Education Levels

Description
Associate's degree

Completions Year

2016

Jobs Timeframe

2017 - 2022

Job Posting Timeframe

Jan 2012 - Aug 2017

Program Overview

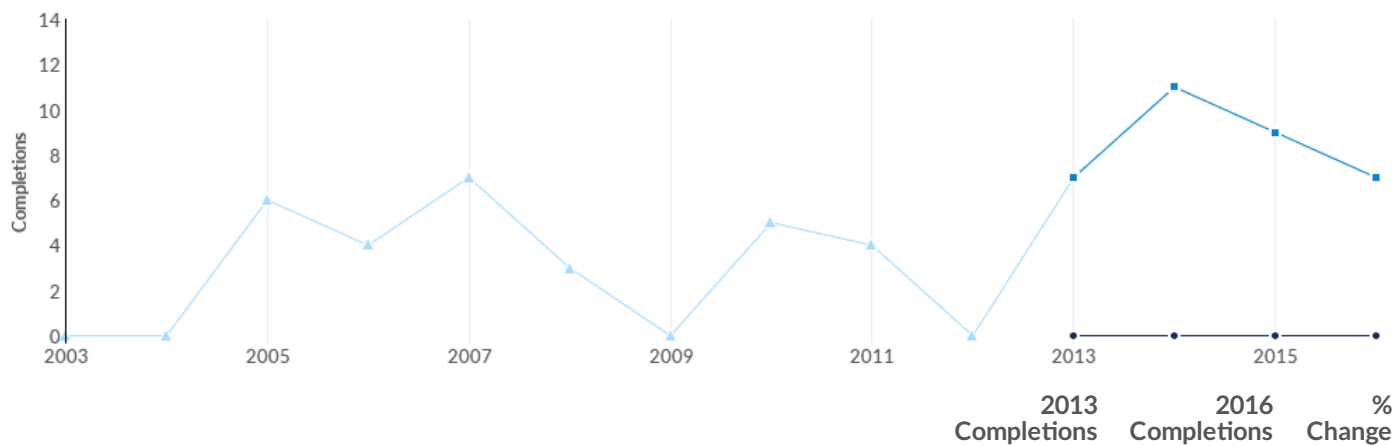


	Completions (2016)	% Completions	Institutions (2016)	% Institutions
● All Programs	7	100%	2	100%
● Distance Offered Programs	0	0%	0	0%
● Non-Distance Offered Programs	7	100%	2	100%

Regional Completions by Institution

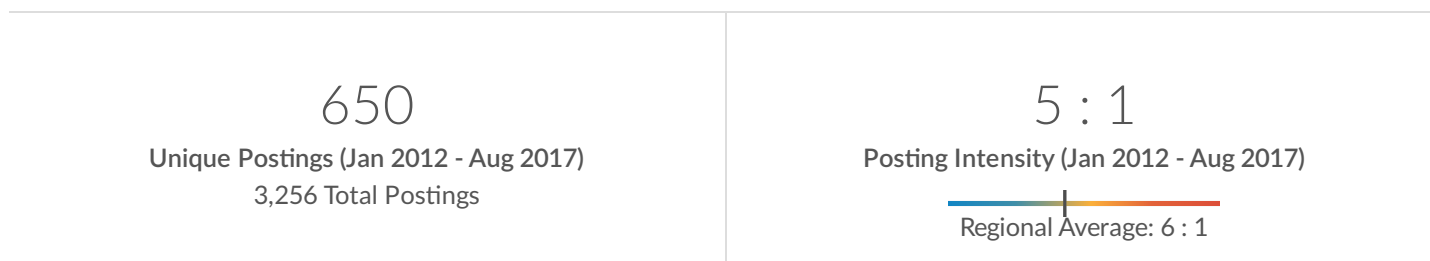
Institution	Associate's Degree Completions (2016)	Growth % YOY (2016)	Market Share (2016)
Long Beach City College	5	25.0%	71.4%
Ventura College	2	-33.3%	28.6%
Los Angeles Valley College	0	-100.0%	0.0%
Los Angeles Pierce College	0	-100.0%	0.0%
College of the Canyons	0	0.0%	0.0%

Regional Trends



	2013 Completions	2016 Completions	% Change
● Distance Offered Programs	0	0	0.0%
■ Non-Distance Offered Programs	7	7	0.0%
▲ All Programs	7	7	0.0%

Job Postings Summary



There were 3,256 total job postings for your selection from January 2012 to August 2017, of which 650 were unique. These numbers give us a Posting Intensity of 5-to-1, meaning that for every 5 postings there is 1 unique job posting.

This is lower than the Posting Intensity for all other occupations and companies in the region (6-to-1), indicating that they may not be trying as hard to hire for this position.














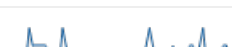



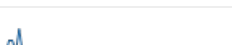



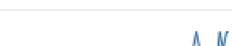







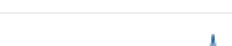

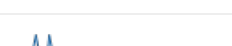

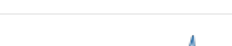

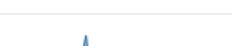





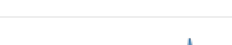






Target Occupations



















































*Filtered by the proportion of the national workforce in these occupations with an Associate's degree

<p>367</p> <p>Jobs (2017)*</p> <p>49% <i>below</i> National average*</p>	<p>-6.0%</p> <p>% Change (2017-2022)*</p> <p>Nation: 0.0%*</p>	<p>\$26.40/hr</p> <p>Median Hourly Earnings</p> <p>Nation: \$26.32/hr</p>	<p>30</p> <p>Annual Openings*</p>
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Occupation	2017 Jobs*	Annual Openings*	Median Hourly Earnings	Growth (2017 - 2022)*	Location Quotient (2017)*
Mechanical Drafters	367	30	\$26.40/hr	-5.99%	0.51














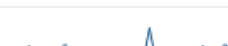


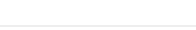


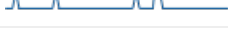


















Top Companies Posting

Company	Total/Unique (Jan 2012 - Aug 2017)	Posting Intensity	Unique Postings Trend (Jan 2012 - Aug 2017)
RANDSTAD HOLDING nv	208 / 42	5 : 1 	
AppleOne	174 / 40	4 : 1 	
Kelly Services, Inc.	196 / 37	5 : 1 	
Alion Science and Technology Corporation	152 / 26	6 : 1 	
Volt Information Sciences Inc	170 / 23	7 : 1 	
Aerotek, Inc.	66 / 22	3 : 1 	
Forever 21, Inc.	87 / 22	4 : 1 	
Adecco Group	56 / 15	4 : 1 	
Lisi Aerospace North America, Inc.	54 / 13	4 : 1 	
Quest Staffing Services, Inc.	82 / 13	6 : 1 	
Ultimate	80 / 11	7 : 1 	
Axellon Corporation	23 / 10	2 : 1 	
Efco Corporation	33 / 10	3 : 1 	
Qorvo, Inc.	40 / 10	4 : 1 	
Sensata Technologies, Inc.	34 / 10	3 : 1 	
Solarcity Corporation	42 / 10	4 : 1 	
Applied Resource Group LLC	41 / 9	5 : 1 	
Belcan Corporation	50 / 8	6 : 1 	
Express Services Inc	115 / 8	14 : 1 	
Outsource, Inc.	198 / 8	25 : 1 	
Ronin Staffing LLC	21 / 8	3 : 1 	
Adecco Technical	23 / 7	3 : 1 	
Belcam Inc.	14 / 7	2 : 1 	
Link Staffing	39 / 7	6 : 1 	

Company	Total/Unique (Jan 2012 - Aug 2017)	Posting Intensity	Unique Postings Trend (Jan 2012 - Aug 2017)
Netsource, Inc.	23 / 7	3 : 1 	
Railworks Corporation	38 / 7	5 : 1 	
Amtec Corporation	70 / 6	12 : 1 	
Carlisle Companies Incorporated	13 / 6	2 : 1 	
Integra Staffing LLC	12 / 6	2 : 1 	
John Crane Inc.	33 / 6	6 : 1 	
Red Hawk Fire & Security, LLC	17 / 6	3 : 1 	
Rheem Manufacturing Company	12 / 6	2 : 1 	
Select Staffing	16 / 6	3 : 1 	
Superior Group	28 / 6	5 : 1 	
Acro Service Corp.	12 / 5	2 : 1 	
Arecont Vision, LLC	12 / 5	2 : 1 	
Dinalic LLC	10 / 5	2 : 1 	
Jacobs Engineering Group Inc.	36 / 5	7 : 1 	
Pharmavite, LLC	10 / 5	2 : 1 	
Total Structures, Inc.	66 / 5	13 : 1 	
3M Company	13 / 4	3 : 1 	
Aerovironment, Inc.	8 / 4	2 : 1 	
Axelon Services Corporation	10 / 4	3 : 1 	
DMC Power, Inc.	31 / 4	8 : 1 	
Kaztronix LLC	9 / 4	2 : 1 	
M.A.C. Cosmetics Inc.	12 / 4	3 : 1 	
Moog Inc.	9 / 4	2 : 1 	
Personnel Plus Inc.	20 / 4	5 : 1 	
Remx Specialty Staffing	20 / 4	5 : 1 	

Company	Total/Unique (Jan 2012 - Aug 2017)	Posting Intensity	Unique Postings Trend (Jan 2012 - Aug 2017)
Space Exploration Technologies Corp.	17 / 4	4 : 1 	

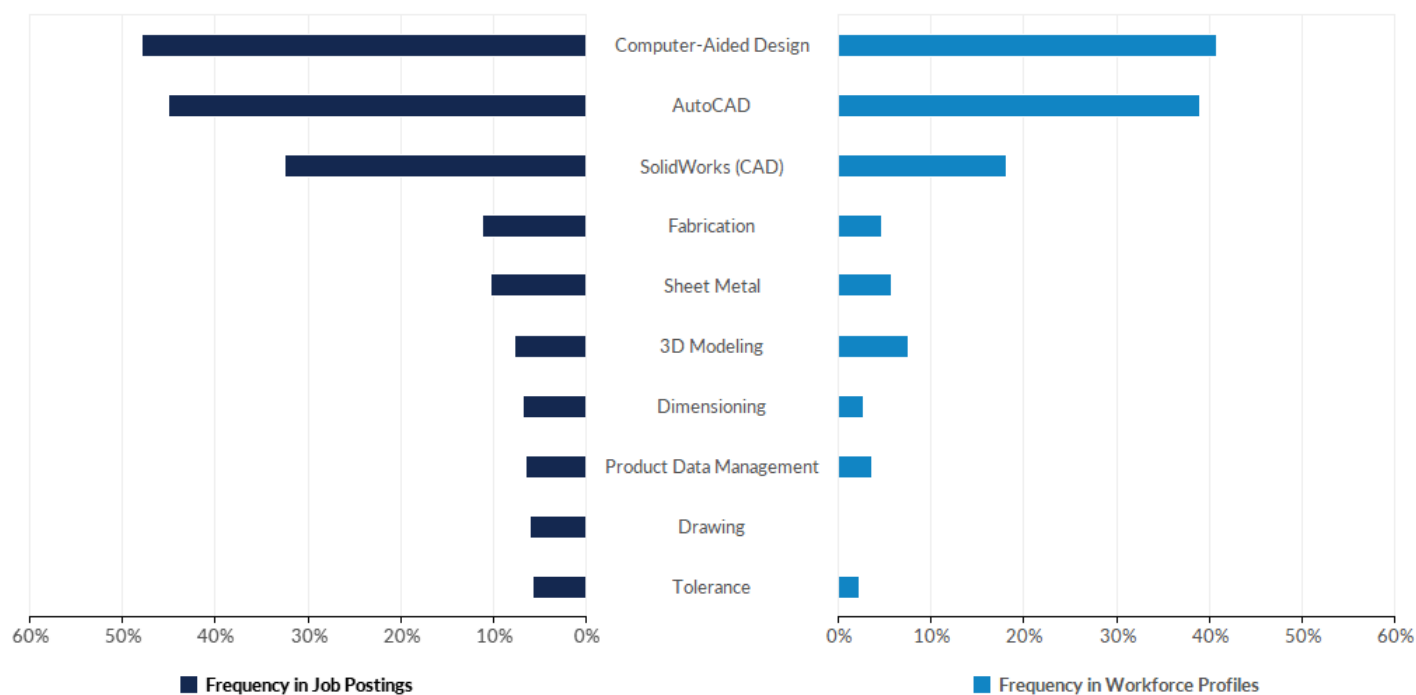
Top Posted Job Titles

Job Title	Total/Unique (Jan 2012 - Aug 2017)	Posting Intensity	Unique Postings Trend (Jan 2012 - Aug 2017)
Drafters	1,633 / 326	5 : 1 	
Design Engineers	780 / 145	5 : 1 	
Computer Aided Design (CAD) Designers	213 / 43	5 : 1 	
CAD Technicians	176 / 38	5 : 1 	
Designer Drafters	150 / 38	4 : 1 	
Draftspersons	115 / 16	7 : 1 	
Technical Designers	29 / 10	3 : 1 	
Research and Development (R&D) Engineers	41 / 9	5 : 1 	
Drafting Designers	52 / 6	9 : 1 	
Engineering Technicians	13 / 4	3 : 1 	
Manufacturing Managers	20 / 4	5 : 1 	
Entry Level Electrical Engineers	12 / 3	4 : 1 	
Design Technicians	4 / 2	2 : 1 	
CAD Engineers	4 / 1	4 : 1 	
Computer Aided Design (CAD) Technicians	2 / 1	2 : 1 	
Injection Molding Process Engineers	2 / 1	2 : 1 	
Mechanical Engineers	2 / 1	2 : 1 	
Members of Technical Staff (MTS)	3 / 1	3 : 1 	
Process Technicians	5 / 1	5 : 1 	

The following provides insight into the supply and demand of relevant skills by comparing the frequency of skills present in job postings against skills present in today's workforce. Along with Emsi's job posting analytics, this comparison leverages Emsi's dataset of more than 100M online resumés and profiles. All resumés and profiles used in these comparisons have been updated within the last three years.

*The skills associated with workforce profiles represent workers of all education levels.

Top Hard Skills



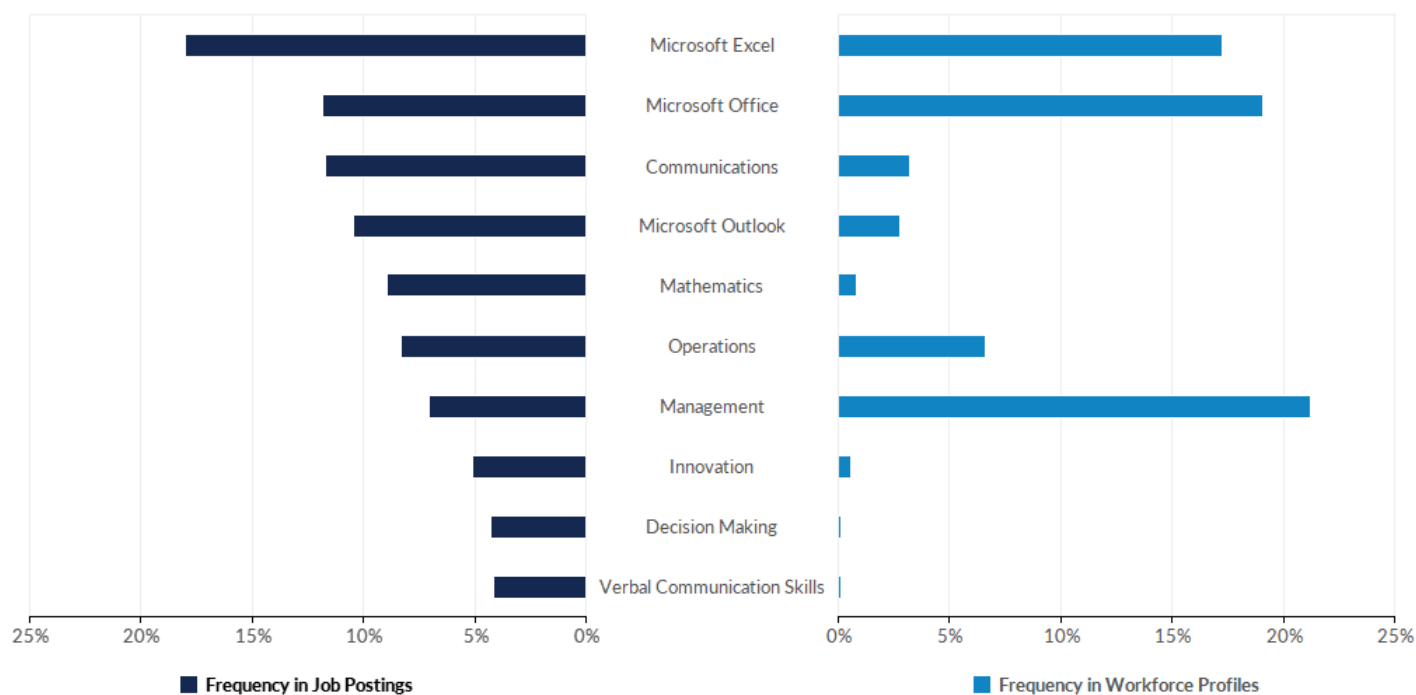
Top Hard Skills

Skill	Frequency in Postings	Postings with Skill / Total Postings	Frequency in Profiles	Profiles with Skill / Total Profiles (2016 - 2018)
Computer-Aided Design	48%	311 / 650	41%	357 / 876
AutoCAD	45%	293 / 650	39%	341 / 876
SolidWorks (CAD)	32%	211 / 650	18%	159 / 876
Fabrication	11%	73 / 650	5%	41 / 876
Sheet Metal	10%	67 / 650	6%	50 / 876
3D Modeling	8%	50 / 650	8%	66 / 876
Dimensioning	7%	44 / 650	3%	24 / 876
Product Data Management	6%	42 / 650	4%	32 / 876
Drawing	6%	39 / 650	0%	0 / 876
Tolerance	6%	37 / 650	2%	20 / 876
Mechanical Aptitude	6%	36 / 650	0%	4 / 876

Skill	Frequency in Postings	Postings with Skill / Total Postings	Frequency in Profiles	Profiles with Skill / Total Profiles (2016 - 2018)
Mechanical Engineering	6%	36 / 650	5%	45 / 876
Prototype (Manufacturing)	6%	36 / 650	3%	29 / 876
Creo Elements/Pro (Computer-Aided Design Software)	5%	35 / 650	2%	18 / 876
Geometry	5%	32 / 650	1%	5 / 876
Welding	5%	30 / 650	2%	17 / 876
Disabilities	4%	26 / 650	0%	0 / 876
Machining	4%	25 / 650	4%	36 / 876
Probability	4%	24 / 650	0%	0 / 876
Geometric Dimensioning And Tolerancing	4%	23 / 650	2%	18 / 876
Microsoft Access	3%	21 / 650	2%	16 / 876
Computer-Aided Manufacturing	3%	18 / 650	4%	35 / 876
Engineering Design Process	3%	18 / 650	2%	21 / 876
Outsourcing	3%	18 / 650	0%	1 / 876
Tolerance Analysis	3%	18 / 650	0%	3 / 876
Warehousing	3%	18 / 650	1%	13 / 876
Conceptual Design	3%	17 / 650	0%	0 / 876
Engineering Change Order	2%	16 / 650	1%	10 / 876
Revisions	2%	16 / 650	1%	5 / 876
Computer Aided Three-Dimensional Interactive Application (CATIA)	2%	15 / 650	4%	33 / 876
Packaging And Labeling	2%	14 / 650	3%	26 / 876
Sketch (Drawing)	2%	14 / 650	2%	21 / 876
Solid Modeling	2%	14 / 650	4%	34 / 876
Valves (Piping)	2%	14 / 650	1%	12 / 876
Pharmaceuticals	2%	13 / 650	0%	3 / 876
Prototyping	2%	13 / 650	3%	22 / 876
Apple iPad	2%	12 / 650	0%	0 / 876
Datasheets	2%	12 / 650	0%	1 / 876
Incentive Programs	2%	12 / 650	0%	0 / 876

Skill	Frequency in Postings	Postings with Skill / Total Postings	Frequency in Profiles	Profiles with Skill / Total Profiles (2016 - 2018)
Mechanical Systems Drawings	2%	12 / 650	0%	4 / 876
Textile Fabric Development	2%	12 / 650	2%	14 / 876
Health Safety And Environment	2%	11 / 650	0%	0 / 876
Product Design	2%	11 / 650	5%	46 / 876
Adobe Acrobat	2%	10 / 650	1%	12 / 876
Association Of National Advertisers	2%	10 / 650	0%	2 / 876
Computer Control Systems	2%	10 / 650	1%	6 / 876
Export Administration Regulations	2%	10 / 650	0%	0 / 876
Aerospace Engineering	1%	9 / 650	0%	4 / 876
Autodesk Vault	1%	9 / 650	1%	5 / 876
Electrical Engineering	1%	9 / 650	1%	12 / 876

Top Common Skills



Top Common Skills

Skill	Frequency in Postings	Postings with Skill / Total Postings	Frequency in Profiles	Profiles with Skill / Total Profiles (2016 - 2018)
Microsoft Excel	18%	117 / 650	17%	151 / 876
Microsoft Office	12%	77 / 650	19%	167 / 876
Communications	12%	76 / 650	3%	28 / 876
Microsoft Outlook	10%	68 / 650	3%	24 / 876
Mathematics	9%	58 / 650	1%	7 / 876
Operations	8%	54 / 650	7%	58 / 876
Management	7%	46 / 650	21%	186 / 876
Innovation	5%	33 / 650	1%	5 / 876
Decision Making	4%	28 / 650	0%	1 / 876
Verbal Communication Skills	4%	27 / 650	0%	1 / 876
Computer Literacy	4%	24 / 650	1%	9 / 876
Written Communication	4%	24 / 650	0%	2 / 876
Creativity	4%	23 / 650	0%	0 / 876
Office Suite	3%	22 / 650	1%	5 / 876
Problem Solving	3%	22 / 650	2%	19 / 876

Skill	Frequency in Postings	Postings with Skill / Total Postings	Frequency in Profiles	Profiles with Skill / Total Profiles (2016 - 2018)
Microsoft PowerPoint	3%	21 / 650	11%	93 / 876
Infrastructure	3%	17 / 650	1%	5 / 876
Adaptabilities	2%	14 / 650	0%	2 / 876
Depth Perception	2%	12 / 650	0%	0 / 876
Sales	2%	11 / 650	11%	95 / 876
Construction	2%	10 / 650	15%	135 / 876
Driving	2%	10 / 650	1%	6 / 876
Interpersonal Skills	2%	10 / 650	1%	5 / 876
Leadership	2%	10 / 650	5%	46 / 876
Microsoft Word	2%	10 / 650	12%	106 / 876
Reliability	2%	10 / 650	0%	0 / 876
Literacy	1%	9 / 650	0%	2 / 876
Research	1%	9 / 650	9%	83 / 876
Training And Development	1%	9 / 650	0%	4 / 876
Architecture	1%	8 / 650	0%	0 / 876
Information Technology	1%	8 / 650	1%	10 / 876
Microsoft Windows	1%	8 / 650	4%	32 / 876
Time Management	1%	7 / 650	2%	21 / 876
Data Entry	1%	6 / 650	1%	9 / 876
Leadership Ethics	1%	6 / 650	0%	4 / 876
Filing	1%	5 / 650	1%	6 / 876
Numbers (Spreadsheet)	1%	5 / 650	0%	4 / 876
Punctuality	1%	5 / 650	0%	0 / 876
Listening	1%	4 / 650	0%	3 / 876
Coordinating	0%	3 / 650	3%	23 / 876
Microsoft Windows NT	0%	3 / 650	0%	2 / 876
Photocopying	0%	3 / 650	0%	1 / 876
Integration	0%	2 / 650	1%	5 / 876
Investigation	0%	2 / 650	0%	0 / 876
Multilingualism	0%	2 / 650	2%	19 / 876

Skill	Frequency in Postings	Postings with Skill / Total Postings	Frequency in Profiles	Profiles with Skill / Total Profiles (2016 - 2018)
Program Management	0%	2 / 650	1%	12 / 876
Project Management	0%	2 / 650	6%	50 / 876
Spreadsheets	0%	2 / 650	0%	2 / 876
Troubleshooting (Problem Solving)	0%	2 / 650	2%	16 / 876
Wireless Communications	0%	2 / 650	0%	2 / 876

Top Qualifications

Qualification	Postings with Qualification
Certified Safety Auditor	2

Appendix A - Data Sources and Calculations

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.

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.

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.

State Data Sources

This report uses state data from the following agencies: California Labor Market Information Department