

Program Market Demand

CAD/CADD Drafting and/or Design Technology/Technician

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
15.1302	CAD/CADD Drafting and/or Design Technology/Technician

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

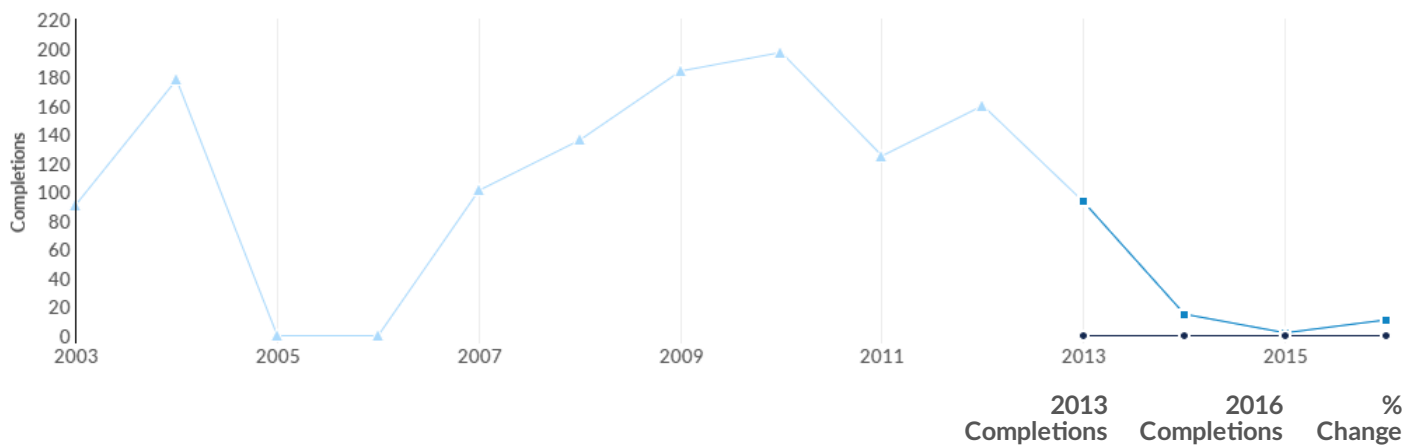


	Completions (2016)	% Completions	Institutions (2016)	% Institutions
● All Programs	11	100%	1	100%
● Distance Offered Programs	0	0%	0	0%
● Non-Distance Offered Programs	11	100%	1	100%

Regional Completions by Institution

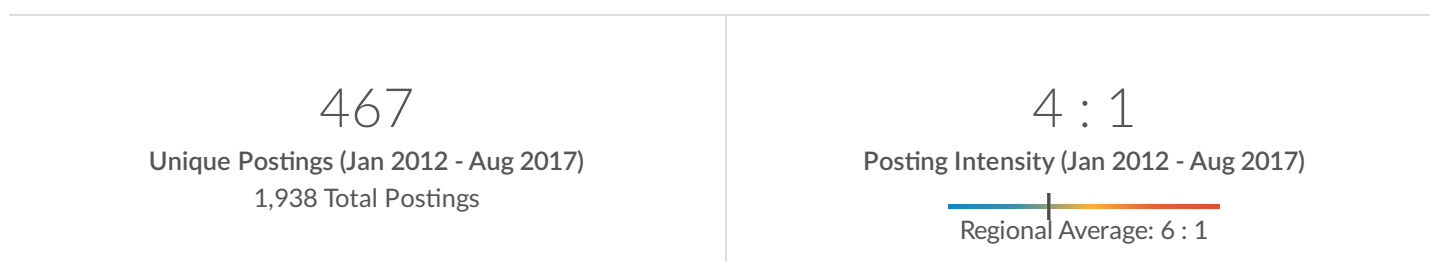
Institution	Associate's Degree Completions (2016)	Growth % YOY (2016)	Market Share (2016)
Los Angeles ORT College-Van Nuys Campus	11	Insf. Data	100.0%
ITT Technical Institute-West Covina	0	0.0%	0.0%
ITT Technical Institute-Culver City	0	0.0%	0.0%
ITT Technical Institute-Oxnard	0	0.0%	0.0%
ITT Technical Institute-San Dimas	0	-100.0%	0.0%
ITT Technical Institute-Torrance	0	0.0%	0.0%
ITT Technical Institute-Sylmar	0	0.0%	0.0%

Regional Trends



	2013 Completions	2016 Completions	% Change
Distance Offered Programs	0	0	0.0%
Non-Distance Offered Programs	93	11	-88.2%
All Programs	93	11	-88.2%

Job Postings Summary



There were 1,938 total job postings for your selection from January 2012 to August 2017, of which 467 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 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>1,447</p> <p>Jobs (2017)*</p> <p>26% <i>above</i> National average*</p>	<p>-4.1%</p> <p>% Change (2017-2022)*</p> <p>Nation: +0.9%*</p>	<p>\$27.87/hr</p> <p>Median Hourly Earnings</p> <p>Nation: \$25.04/hr</p>	<p>119</p> <p>Annual Openings*</p>
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Occupation	2017 Jobs*	Annual Openings*	Median Hourly Earnings	Growth (2017 - 2022)*	Location Quotient (2017)*
Architectural and Civil Drafters	1,447	119	\$27.87/hr	-4.08%	1.26
















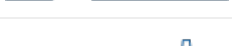















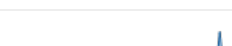
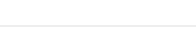












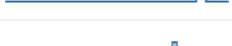
Top Companies Posting

Company	Total/Unique (Jan 2012 - Aug 2017)	Posting Intensity	Unique Postings Trend (Jan 2012 - Aug 2017)
Alion Science and Technology Corporation	92 / 46	2 : 1	
Advance Auto Parts, Inc.	117 / 32	4 : 1	
Forever 21, Inc.	123 / 32	4 : 1	
Grifols Biologicals Inc.	64 / 22	3 : 1	
Solarcity Corporation	62 / 18	3 : 1	
Aerotek, Inc.	88 / 17	5 : 1	
The Johnson Group LLC	45 / 13	3 : 1	
Parsons Corporation	45 / 12	4 : 1	
Kelly Services, Inc.	25 / 10	3 : 1	
Worldpac, Inc.	34 / 9	4 : 1	
Arup	32 / 8	4 : 1	
Axellon Corporation	25 / 8	3 : 1	
Cbre Group, Inc.	34 / 8	4 : 1	
Efco Corporation	16 / 8	2 : 1	
Kpff, Inc.	19 / 8	2 : 1	
Nbcuniversal Media, LLC	43 / 8	5 : 1	
Pride Industries	41 / 8	5 : 1	
Michael Baker Corporation	23 / 7	3 : 1	
Rotator Staffing Services Inc	27 / 7	4 : 1	
URS Corporation	58 / 7	8 : 1	
Experis Us, Inc.	13 / 6	2 : 1	
Forest Lawn Memorial Park, LLC	62 / 6	10 : 1	
Kpff Consulting Engineers	55 / 6	9 : 1	
MOTT MACDONALD LIMITED	27 / 6	5 : 1	

Company	Total/Unique (Jan 2012 - Aug 2017)	Posting Intensity	Unique Postings Trend (Jan 2012 - Aug 2017)
RANDSTAD HOLDING nv	19 / 6	3 : 1	
Rose International, Inc.	15 / 6	3 : 1	
AppleOne	10 / 5	2 : 1	
Arcadis U.S., Inc.	24 / 5	5 : 1	
Creative Solutions Services LLC	11 / 5	2 : 1	
Express Services Inc	114 / 5	23 : 1	
Johanson Dielectrics, Inc.	10 / 5	2 : 1	
Kellwood Company	14 / 5	3 : 1	
Kimley-Horn and Associates, Inc.	18 / 5	4 : 1	
Southern California Edison Company	23 / 4	6 : 1	
Syska Hennessy Group, Inc.	19 / 4	5 : 1	
Universal Studios, Inc.	20 / 4	5 : 1	
Cybercoders, Inc.	10 / 3	3 : 1	
Hired By Matrix, Inc.	11 / 3	4 : 1	
Iconma, L.L.C.	6 / 3	2 : 1	
Rimkus Consulting Group, Inc.	7 / 3	2 : 1	
Sanitation Districts of Los Angeles County	6 / 3	2 : 1	
Sargent & Lundy, L.L.C.	17 / 3	6 : 1	
Scs Engineers	6 / 3	2 : 1	
Snelling	6 / 3	2 : 1	
Stearns, Conrad and Schmidt, Consulting Engineers, Inc.	43 / 3	14 : 1	
Strategic It Staffing LLC	24 / 3	8 : 1	
Talentburst, Inc.	10 / 3	3 : 1	
Career Strategies Inc.	10 / 2	5 : 1	
Exelis Inc.	6 / 2	3 : 1	

Company	Total/Unique (Jan 2012 - Aug 2017)	Posting Intensity	Unique Postings Trend (Jan 2012 - Aug 2017)
Fusion Solutions, Inc.	4 / 2	2 : 1 	

Top Posted Job Titles

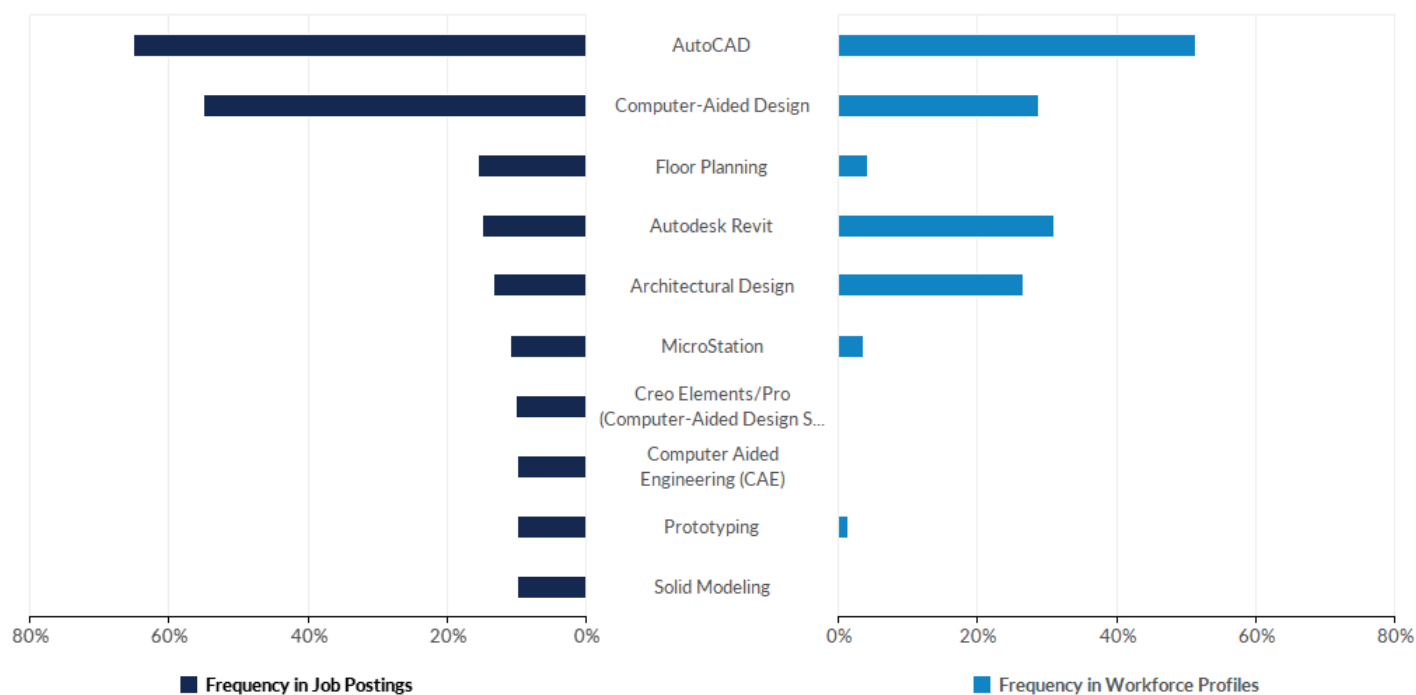
Job Title	Total/Unique (Jan 2012 - Aug 2017)	Posting Intensity	Unique Postings Trend (Jan 2012 - Aug 2017)
CAD Technicians	433 / 146	3 : 1 	
Drafters	666 / 134	5 : 1 	
Computer Aided Design (CAD) Designers	150 / 35	4 : 1 	
Technical Designers	124 / 33	4 : 1 	
Design Engineers	173 / 27	6 : 1 	
Architectural Designers	106 / 23	5 : 1 	
Surveyors	37 / 11	3 : 1 	
Piping Designers	61 / 10	6 : 1 	
Architects	16 / 6	3 : 1 	
CAD Engineers	13 / 5	3 : 1 	
Biologists	11 / 4	3 : 1 	
Project Managers	22 / 4	6 : 1 	
Civil Engineers	12 / 3	4 : 1 	
Designer Drafters	7 / 3	2 : 1 	
Draftspersons	6 / 3	2 : 1 	
Architectural Assistants	4 / 2	2 : 1 	
Drafting Designers	21 / 2	11 : 1 	
Engineering Technicians	10 / 2	5 : 1 	
General Supervisors	20 / 2	10 : 1 	
Graphic Designers	8 / 2	4 : 1 	
Interior Designers	8 / 2	4 : 1 	
Power Systems Engineers	14 / 2	7 : 1 	
Sheet Metal Technicians	4 / 2	2 : 1 	

Job Title	Total/Unique (Jan 2012 - Aug 2017)	Posting Intensity	Unique Postings Trend (Jan 2012 - Aug 2017)
Computer Aided Design (CAD) Engineers	5 / 1	5 : 1 	
Database Administrators	3 / 1	3 : 1 	
Designers	2 / 1	2 : 1 	
Systems Operators	2 / 1	2 : 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



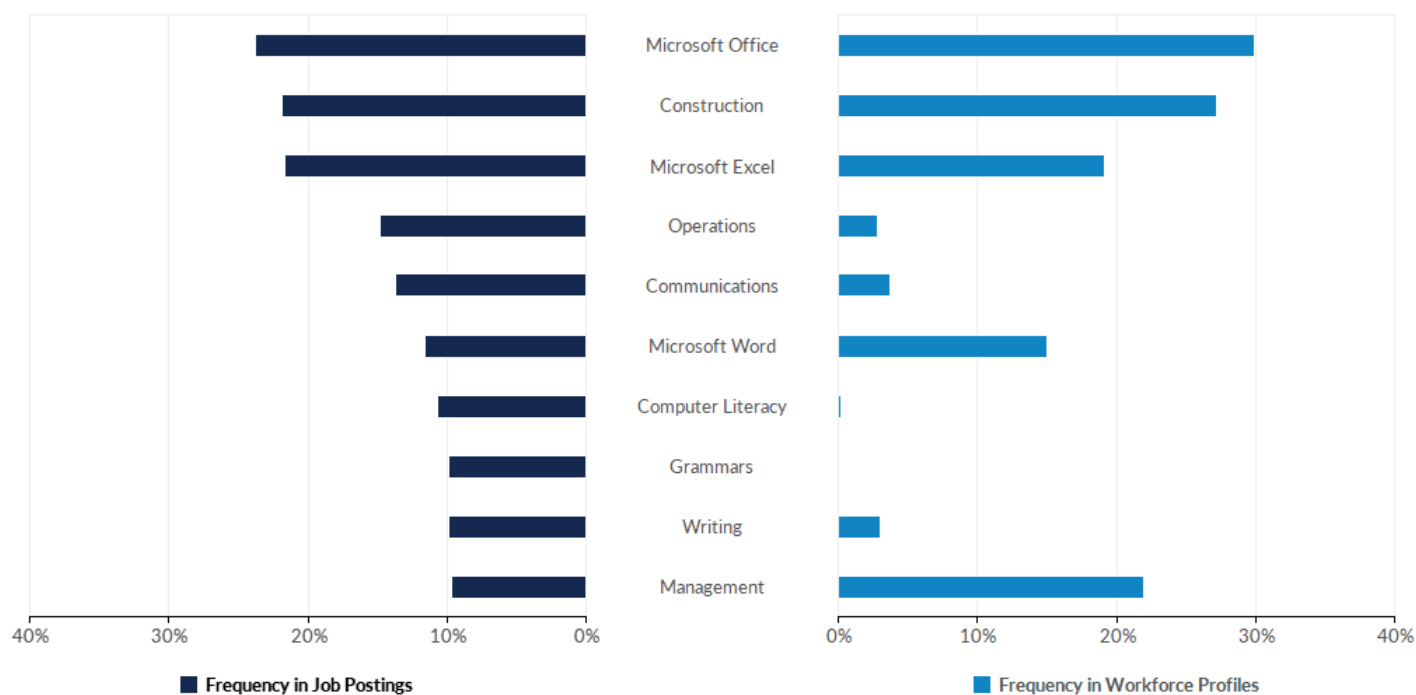
Top Hard Skills

Skill	Frequency in Postings	Postings with Skill / Total Postings	Frequency in Profiles	Profiles with Skill / Total Profiles (2016 - 2018)
AutoCAD	65%	304 / 467	51%	871 / 1,696
Computer-Aided Design	55%	257 / 467	29%	488 / 1,696
Floor Planning	15%	72 / 467	4%	72 / 1,696
Autodesk Revit	15%	70 / 467	31%	526 / 1,696
Architectural Design	13%	62 / 467	27%	451 / 1,696
MicroStation	11%	51 / 467	4%	63 / 1,696
Creo Elements/Pro (Computer-Aided Design Software)	10%	47 / 467	0%	1 / 1,696
Computer Aided Engineering (CAE)	10%	46 / 467	0%	0 / 1,696
Prototyping	10%	46 / 467	1%	25 / 1,696
Solid Modeling	10%	46 / 467	0%	5 / 1,696

Skill	Frequency in Postings	Postings with Skill / Total Postings	Frequency in Profiles	Profiles with Skill / Total Profiles (2016 - 2018)
Voltage	9%	43 / 467	0%	3 / 1,696
Elevation	9%	42 / 467	6%	100 / 1,696
Alarm Devices	9%	41 / 467	0%	7 / 1,696
Fire Alarm Systems	9%	41 / 467	0%	7 / 1,696
Voltage Drop	9%	41 / 467	0%	0 / 1,696
Smoke Detector	8%	39 / 467	0%	0 / 1,696
Sound Systems	8%	39 / 467	0%	0 / 1,696
Civil Engineering	6%	29 / 467	4%	65 / 1,696
3D Modeling	4%	21 / 467	11%	185 / 1,696
Drawing	4%	21 / 467	0%	1 / 1,696
Microsoft Access	4%	21 / 467	1%	22 / 1,696
Surveying	4%	21 / 467	2%	33 / 1,696
Architectural Drawing	4%	19 / 467	15%	262 / 1,696
Land Development	4%	19 / 467	1%	13 / 1,696
SketchUp (3D Modeling Software)	4%	18 / 467	30%	507 / 1,696
HVAC	4%	17 / 467	1%	20 / 1,696
Sketch (Drawing)	4%	17 / 467	2%	40 / 1,696
Trigonometry	4%	17 / 467	0%	5 / 1,696
Eager Evaluations	3%	16 / 467	0%	1 / 1,696
Construction Management	3%	14 / 467	5%	90 / 1,696
Adobe Illustrator	3%	12 / 467	35%	591 / 1,696
Dimensioning	3%	12 / 467	0%	7 / 1,696
Mechanical Engineering	3%	12 / 467	1%	23 / 1,696
Petrochemical	3%	12 / 467	1%	9 / 1,696
Calculations	2%	11 / 467	1%	10 / 1,696
Conceptual Design	2%	11 / 467	2%	29 / 1,696
Isometric Exercise	2%	11 / 467	0%	0 / 1,696
Plotter	2%	11 / 467	0%	0 / 1,696
Structural Engineering	2%	11 / 467	2%	38 / 1,696
Building Codes	2%	10 / 467	1%	23 / 1,696

Skill	Frequency in Postings	Postings with Skill / Total Postings	Frequency in Profiles	Profiles with Skill / Total Profiles (2016 - 2018)
Grading (Landscape)	2%	10 / 467	2%	38 / 1,696
Wastewater	2%	10 / 467	0%	5 / 1,696
Adobe Photoshop	2%	9 / 467	44%	751 / 1,696
Engineering Design Process	2%	9 / 467	1%	17 / 1,696
Facility Management	2%	9 / 467	0%	4 / 1,696
Geographic Information Systems	2%	9 / 467	1%	20 / 1,696
Graphic Design	2%	9 / 467	11%	185 / 1,696
Hazardous Wastes	2%	9 / 467	0%	0 / 1,696
Layering	2%	9 / 467	0%	0 / 1,696
Rendering	2%	9 / 467	21%	359 / 1,696

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 Office	24%	111 / 467	30%	508 / 1,696
Construction	22%	102 / 467	27%	462 / 1,696
Microsoft Excel	22%	101 / 467	19%	325 / 1,696
Operations	15%	69 / 467	3%	47 / 1,696
Communications	14%	64 / 467	4%	64 / 1,696
Microsoft Word	12%	54 / 467	15%	255 / 1,696
Computer Literacy	11%	50 / 467	0%	4 / 1,696
Grammars	10%	46 / 467	0%	0 / 1,696
Writing	10%	46 / 467	3%	51 / 1,696
Management	10%	45 / 467	22%	373 / 1,696
Microsoft Outlook	8%	39 / 467	3%	58 / 1,696
Infrastructure	7%	34 / 467	1%	17 / 1,696
Innovation	7%	32 / 467	1%	22 / 1,696
Architecture	7%	31 / 467	0%	4 / 1,696
Interpersonal Skills	6%	29 / 467	0%	7 / 1,696

Skill	Frequency in Postings	Postings with Skill / Total Postings	Frequency in Profiles	Profiles with Skill / Total Profiles (2016 - 2018)
Verbal Communication Skills	6%	26 / 467	0%	0 / 1,696
Filing	5%	24 / 467	2%	27 / 1,696
Problem Solving	5%	23 / 467	2%	29 / 1,696
Creativity	5%	22 / 467	0%	0 / 1,696
Decision Making	4%	19 / 467	0%	6 / 1,696
Microsoft PowerPoint	3%	16 / 467	15%	252 / 1,696
Presentations	3%	16 / 467	10%	176 / 1,696
Sales	3%	16 / 467	11%	181 / 1,696
Mathematics	3%	15 / 467	1%	17 / 1,696
Integration	3%	12 / 467	0%	5 / 1,696
Prioritization	3%	12 / 467	0%	1 / 1,696
Hospitality	2%	11 / 467	2%	32 / 1,696
Clerical Works	2%	10 / 467	1%	16 / 1,696
Coordinating	2%	10 / 467	4%	65 / 1,696
Written Communication	2%	9 / 467	0%	8 / 1,696
Investigation	2%	8 / 467	0%	2 / 1,696
Microsoft Windows	2%	8 / 467	4%	60 / 1,696
Office Suite	2%	8 / 467	1%	13 / 1,696
Research	2%	8 / 467	28%	480 / 1,696
Leadership	1%	6 / 467	6%	107 / 1,696
Memos	1%	6 / 467	0%	3 / 1,696
Sourcing (Recruitment)	1%	5 / 467	2%	28 / 1,696
Customer Service	1%	4 / 467	13%	212 / 1,696
Information Technology	1%	4 / 467	1%	18 / 1,696
Scanning	1%	4 / 467	1%	11 / 1,696
Critical Thinking	0%	2 / 467	0%	8 / 1,696
English Language	0%	2 / 467	5%	78 / 1,696
Financial Services	0%	2 / 467	0%	1 / 1,696
Leadership Ethics	0%	2 / 467	0%	1 / 1,696
Literacy	0%	2 / 467	0%	5 / 1,696

Skill	Frequency in Postings	Postings with Skill / Total Postings	Frequency in Profiles	Profiles with Skill / Total Profiles (2016 - 2018)
Mentorship	0%	2 / 467	1%	9 / 1,696
Microsoft Internet Explorer	0%	2 / 467	0%	1 / 1,696
Photocopying	0%	2 / 467	0%	7 / 1,696
Project Management	0%	2 / 467	7%	114 / 1,696
Typing	0%	2 / 467	0%	5 / 1,696

Top Qualifications

Qualification	Postings with Qualification
Certified Broadcast Radio Engineer	3

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