

Program Market Demand

8 Programs

Emsi Q3 2018 Data Set

September 2018

College of San Mateo



3401 CSM Drive
San Mateo, California 94402
650.358.6880

Parameters

Programs

Code	Description
47.0101	Electrical/Electronics Equipment Installation and Repair, General
15.0303	Electrical, Electronic and Communications Engineering Technology/Technician
47.0105	Industrial Electronics Technology/Technician
15.0612	Industrial Technology/Technician
15.0305	Telecommunications Technology/Technician
46.0301	Electrical and Power Transmission Installation/Installer, General
47.0104	Computer Installation and Repair Technology/Technician
15.1201	Computer Engineering Technology/Technician

Regions

Code	Description
6001	Alameda County, CA
6013	Contra Costa County, CA
6075	San Francisco County, CA
6081	San Mateo County, CA
6085	Santa Clara County, CA

Education Levels

Any

Completions Year

2015

Jobs Timeframe

2017 - 2024

Job Postings Timeframe

Sep 2016 - Aug 2018

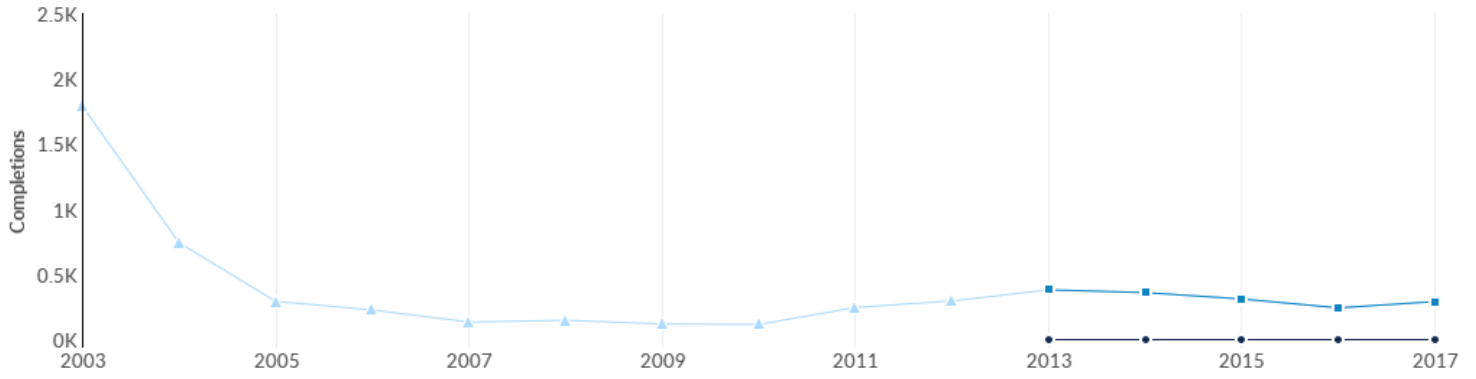
Program Overview



	Completions (2015)	% Completions	Institutions (2015)	% Institutions
● All Programs	312	100%	13	100%
● Distance Offered Programs	0	0%	0	0%
● Non-Distance Offered Programs	312	100%	13	100%

Institution	Completions (2015)	Growth % YOY (2015)	Market Share (2015)
CET-Sobrato	58	26.1%	18.6%
Los Medanos College	54	25.6%	17.3%
San Jose State University	44	33.3%	14.1%
College of San Mateo	41	51.9%	13.1%
Laney College	27	107.7%	8.7%
ITT Technical Institute-Concord	24	-36.8%	7.7%
City College of San Francisco	17	-55.3%	5.4%
ITT Technical Institute-Oakland	14	16.7%	4.5%
Skyline College	14	-67.4%	4.5%
Chabot College	9	-40.0%	2.9%
Diablo Valley College	5	-16.7%	1.6%
Contra Costa College	4	-76.5%	1.3%
Mission College	1	0.0%	0.3%

Regional Trends



	2013 Completions	2015 Completions	% Change
● Distance Offered Programs	0	0	0.0%
■ Non-Distance Offered Programs	382	312	-18.3%
▲ All Programs	382	312	-18.3%

Job Postings vs. Hires

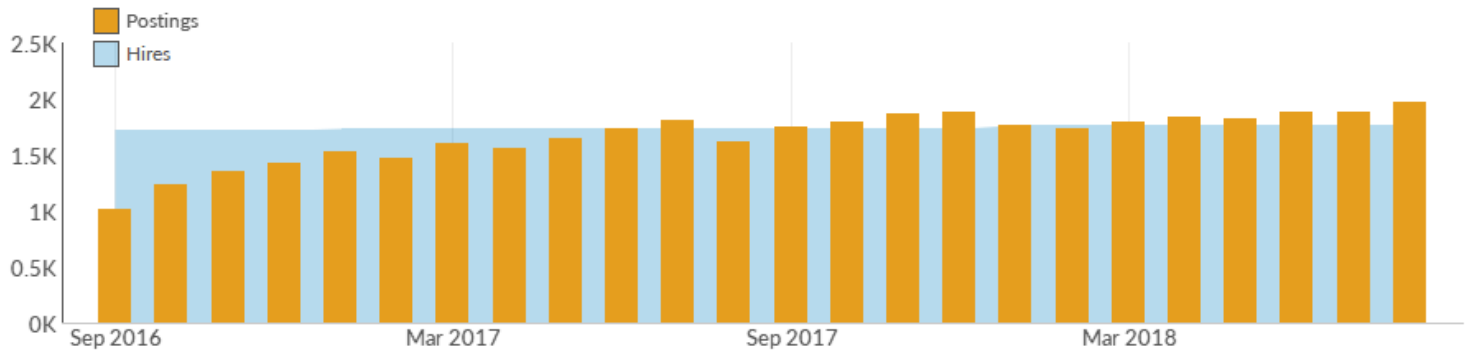
1,665

Avg. Monthly Postings (Sep 2016 - Aug 2018)

1,743

Avg. Monthly Hires (Sep 2016 - Aug 2018)

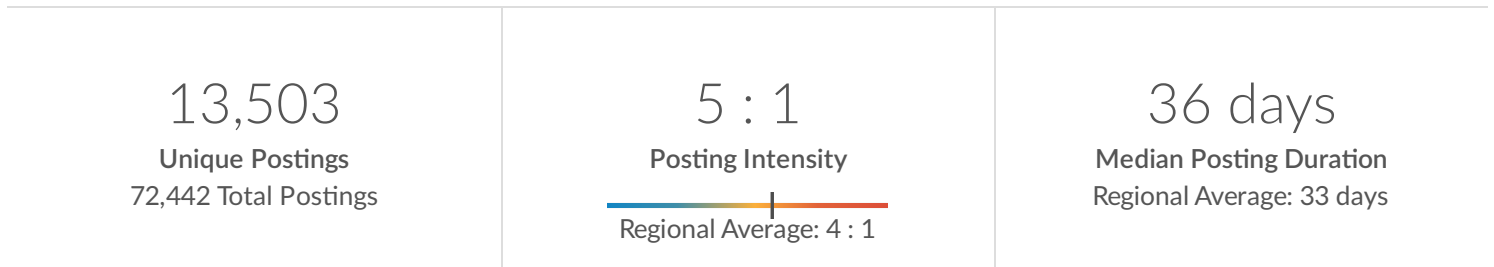
In an average month, there were 1,665 unique job postings for 13 Occupations, and 1,743 actually hired. This means there was approximately 1 hire for 13 Occupations for every 1 unique job posting.



Occupation	Avg Monthly Postings (Sep 2016 - Aug 2018)	Avg Monthly Hires (Sep 2016 - Aug 2018)
First-Line Supervisors of Construction Trades and Extraction Workers	579	676
Electrical and Electronics Engineering Technicians	504	234
Industrial Engineering Technicians	338	26
Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	156	307
Semiconductor Processors	24	40
Electrical and Electronics Repairers, Commercial and Industrial Equipment	18	46
Installation, Maintenance, and Repair Workers, All Other	13	193
Computer, Automated Teller, and Office Machine Repairers	12	126
Electrical Power-Line Installers and Repairers	10	33
Mechanical Door Repairers	6	34
Electric Motor, Power Tool, and Related Repairers	4	15

Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	1	8
Coil Winders, Tapers, and Finishers	0	0

Job Postings Summary



There were 72,442 total job postings for your selection from September 2016 to August 2018, of which 13,503 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 higher than the Posting Intensity for all other occupations and companies in the region (4-to-1), indicating that they may be trying harder to hire for this position.

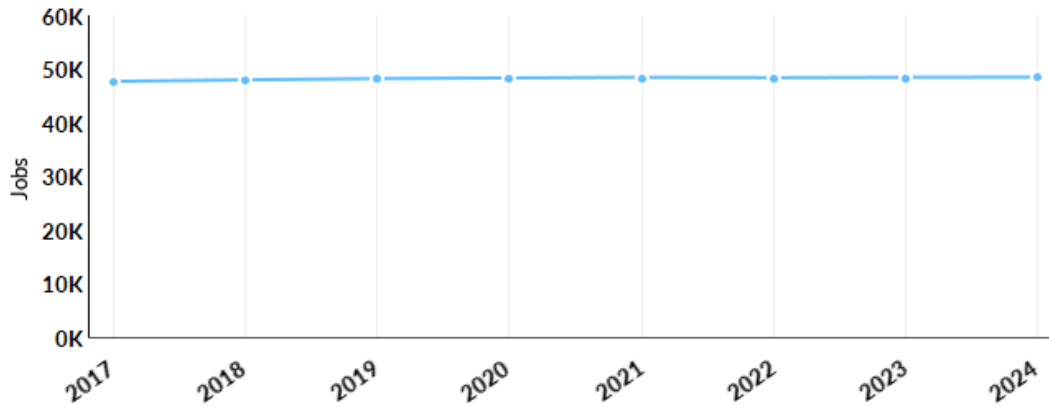
Target Occupations

<p>47,666</p> <p>Jobs (2017)</p> <p>16% above National average</p>	<p>+1.7%</p> <p>% Change (2017-2024)</p> <p>Nation: +3.7%</p>	<p>\$24.80/hr</p> <p>Median Hourly Earnings</p> <p>Nation: \$23.74/hr</p>	<p>5,180</p> <p>Annual Openings</p>
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Occupation	2017 Jobs	Annual Openings	Median Hourly Earnings	Growth (2017 - 2024)	Location Quotient (2017)
Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	12,264	1,374	\$17.24/hr	-10.98%	2.01
First-Line Supervisors of Construction Trades and Extraction Workers	12,033	1,488	\$41.01/hr	+13.21%	0.78
Electrical and Electronics Engineering Technicians	8,851	792	\$29.98/hr	+0.40%	2.84
Installation, Maintenance, and Repair Workers, All Other	4,249	461	\$19.86/hr	+7.65%	0.88
Computer, Automated Teller, and Office Machine Repairers	3,642	362	\$18.65/hr	-2.94%	1.24
Semiconductor Processors	2,036	222	\$21.19/hr	-7.81%	3.57
Electrical and Electronics Repairers, Commercial and Industrial Equipment	1,432	138	\$29.67/hr	+5.03%	0.82
Industrial Engineering Technicians	1,002	107	\$30.52/hr	+11.68%	0.64
Electrical Power-Line Installers and Repairers	823	98	\$52.62/hr	+22.24%	0.30
Mechanical Door Repairers	497	48	\$20.89/hr	+12.07%	1.00
Electric Motor, Power Tool, and Related Repairers	392	40	\$35.66/hr	+5.10%	0.75
Coil Winders, Tapers, and Finishers	232	26	\$14.75/hr	-9.48%	0.73
Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	212	25	\$45.75/hr	+17.92%	0.33

Growth

47,666 2017 Jobs	48,470 2024 Jobs	804 Change (2017-2024)	1.7% % Change (2017-2024)
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Occupation	2017 Jobs	2024 Jobs	Change	% Change
Electrical and Electronics Engineering Technicians (17-3023)	8,851	8,886	35	0%
Industrial Engineering Technicians (17-3026)	1,002	1,119	117	12%
First-Line Supervisors of Construction Trades and Extraction Workers (47-1011)	12,033	13,622	1,589	13%
Computer, Automated Teller, and Office Machine Repairers (49-2011)	3,642	3,535	-107	-3%
Electric Motor, Power Tool, and Related Repairers (49-2092)	392	412	20	5%
Electrical and Electronics Repairers, Commercial and Industrial Equipment (49-2094)	1,432	1,504	72	5%
Electrical and Electronics Repairers, Powerhouse, Substation, and Relay (49-2095)	212	250	38	18%
Mechanical Door Repairers (49-9011)	497	557	60	12%
Electrical Power-Line Installers and Repairers (49-9051)	823	1,006	183	22%
Installation, Maintenance, and Repair Workers, All Other (49-9099)	4,249	4,574	325	8%

Occupation	2017 Jobs	2024 Jobs	Change	% Change
Coil Winders, Tapers, and Finishers (51-2021)	232	210	-22	-9%
Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers (51-2028)	12,264	10,918	-1,346	-11%
Semiconductor Processors (51-9141)	2,036	1,877	-159	-8%

Percentile Earnings

\$16.93/hr

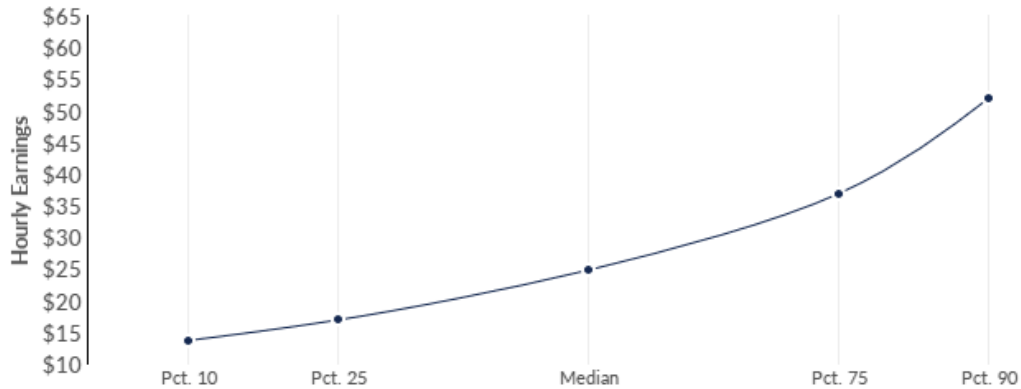
25th Percentile Earnings

\$24.80/hr

Median Earnings

\$36.88/hr

75th Percentile Earnings



Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
Electrical and Electronics Engineering Technicians (17-3023)	\$22.88	\$29.98	\$37.99
Industrial Engineering Technicians (17-3026)	\$25.21	\$30.52	\$39.63
First-Line Supervisors of Construction Trades and Extraction Workers (47-1011)	\$29.47	\$41.01	\$54.86
Computer, Automated Teller, and Office Machine Repairers (49-2011)	\$15.27	\$18.65	\$23.00
Electric Motor, Power Tool, and Related Repairers (49-2092)	\$13.15	\$35.66	\$44.92
Electrical and Electronics Repairers, Commercial and Industrial Equipment (49-2094)	\$19.99	\$29.67	\$40.12
Electrical and Electronics Repairers, Powerhouse, Substation, and Relay (49-2095)	\$40.58	\$45.75	\$50.83
Mechanical Door Repairers (49-9011)	\$17.29	\$20.89	\$25.16
Electrical Power-Line Installers and Repairers (49-9051)	\$45.92	\$52.62	\$57.63
Installation, Maintenance, and Repair Workers, All Other (49-9099)	\$15.19	\$19.86	\$27.84

Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
Coil Winders, Tapers, and Finishers (51-2021)	\$12.08	\$14.75	\$18.11
Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers (51-2028)	\$14.06	\$17.24	\$21.79
Semiconductor Processors (51-9141)	\$16.36	\$21.19	\$25.92

Top Companies Posting




Company	Total/Unique (Sep 2016 - Aug 2018)	Posting Intensity	Median Posting Duration
Cybercoders, Inc.	1,890 / 566	3 : 1	43 days
Sanmina Corporation	10,071 / 450	22 : 1	2 days
Tesla Motors, Inc.	1,078 / 271	4 : 1	92 days
Aerotek, Inc.	1,705 / 255	7 : 1	17 days
Pma Consultants, L.L.C.	10,425 / 227	46 : 1	187 days
Kelly Services, Inc.	1,252 / 217	6 : 1	35 days
RANDSTAD HOLDING nv	1,279 / 178	7 : 1	34 days
At-Tech	374 / 157	2 : 1	43 days
Atr International, Inc.	317 / 105	3 : 1	39 days
Apple Inc.	421 / 100	4 : 1	60 days
AppleOne	248 / 98	3 : 1	30 days
Pacific Gas and Electric Company	315 / 94	3 : 1	22 days
Modis, Inc.	329 / 91	4 : 1	38 days
Superior Group	465 / 88	5 : 1	36 days
Synopsys, Inc.	209 / 83	3 : 1	37 days
Lam Research Corporation	265 / 72	4 : 1	15 days
Applied Materials, Inc.	504 / 63	8 : 1	53 days
Jabil Circuit, Inc.	249 / 60	4 : 1	61 days
Citizen	913 / 58	16 : 1	38 days
Greystar Real Estate Partners, LLC	99 / 57	2 : 1	275 days
Lawrence Livermore National Laboratory	174 / 57	3 : 1	65 days
Assemblers, Inc.	112 / 47	2 : 1	43 days
Apex Systems, Inc.	915 / 46	20 : 1	43 days
Western Digital Corporation	116 / 46	3 : 1	24 days
Advantage Resourcing	591 / 44	13 : 1	31 days

Cablecom, LLC	90 / 43	2 : 1		32 days
Outsource, Inc.	93 / 43	2 : 1		30 days
Varian Medical Systems, Inc.	206 / 40	5 : 1		67 days
Coherent, Inc.	181 / 39	5 : 1		61 days
Tesla, Inc.	128 / 39	3 : 1		33 days
Adecco Group	103 / 38	3 : 1		32 days
CDI Corporation	168 / 38	4 : 1		33 days
Thermo Fisher Scientific Inc	349 / 37	9 : 1		57 days
40 Hrs, Inc	55 / 35	2 : 1		11 days
RANDSTAD UK HOLDING LTD	112 / 34	3 : 1		33 days
Robert Half International Inc.	233 / 33	7 : 1		22 days
Amazon.com, Inc.	123 / 32	4 : 1		43 days
Delta Construction Partners Inc.	62 / 32	2 : 1		28 days
Skyworks Solutions, Inc.	369 / 32	12 : 1		49 days
Balance Staffing Inc	59 / 31	2 : 1		31 days
Headway Technologies, Inc.	35 / 30	1 : 1		32 days
Apex Life Science Advisors LLC	119 / 29	4 : 1		36 days
COBHAM PLC	180 / 29	6 : 1		57 days
Formfactor, Inc.	167 / 28	6 : 1		38 days
Intuitive Surgical, Inc.	84 / 27	3 : 1		44 days
Boston Scientific Corporation	177 / 25	7 : 1		17 days
Manpower	89 / 25	4 : 1		42 days
Advanced Employment Services, Inc	979 / 24	41 : 1		51 days
Army National Guard	145 / 23	6 : 1		4 days
Benchmark Electronics, Inc.	102 / 23	4 : 1		42 days

Top Posted Job Titles

Job Title	Total/Unique (Sep 2016 - Aug 2018)	Posting Intensity	Median Posting Duration
Engineering Technician	6,203 / 1,264	5 : 1 	40 days
Manufacturing Technician (Architecture and Engineering)	2,943 / 431	7 : 1 	35 days
Quality Assurance Engineer (Architecture and Engineering)	2,055 / 418	5 : 1 	35 days
Electronics Technician	1,461 / 380	4 : 1 	34 days
Engineering Intern	1,094 / 345	3 : 1 	40 days
Assistant Construction Project Manager	1,234 / 291	4 : 1 	41 days
Mechanical Assembler	1,204 / 290	4 : 1 	32 days
Systems Technician (Architecture and Engineering)	3,933 / 273	14 : 1 	3 days
Construction Scheduler	10,541 / 267	39 : 1 	173 days
Process Technician (Architecture and Engineering)	1,761 / 260	7 : 1 	34 days
Production Technician	1,358 / 252	5 : 1 	39 days
Assembly Technician (Production)	888 / 241	4 : 1 	37 days
Construction Supervisor	855 / 236	4 : 1 	35 days
Assistant Construction Superintendent	633 / 219	3 : 1 	45 days
Electrical Technician	797 / 209	4 : 1 	43 days
Construction Superintendent	716 / 198	4 : 1 	42 days
Project Manager (Management)	546 / 183	3 : 1 	34 days
Quality Technician	1,077 / 161	7 : 1 	32 days
SMT Operator	3,805 / 160	24 : 1 	12 days
Superintendent (Construction and Extraction)	474 / 160	3 : 1 	43 days
Electronic Assembler	632 / 158	4 : 1 	32 days
Calibration Technician	655 / 143	5 : 1 	32 days
Instrumentation Technician (Architecture and Engineering)	445 / 130	3 : 1 	56 days

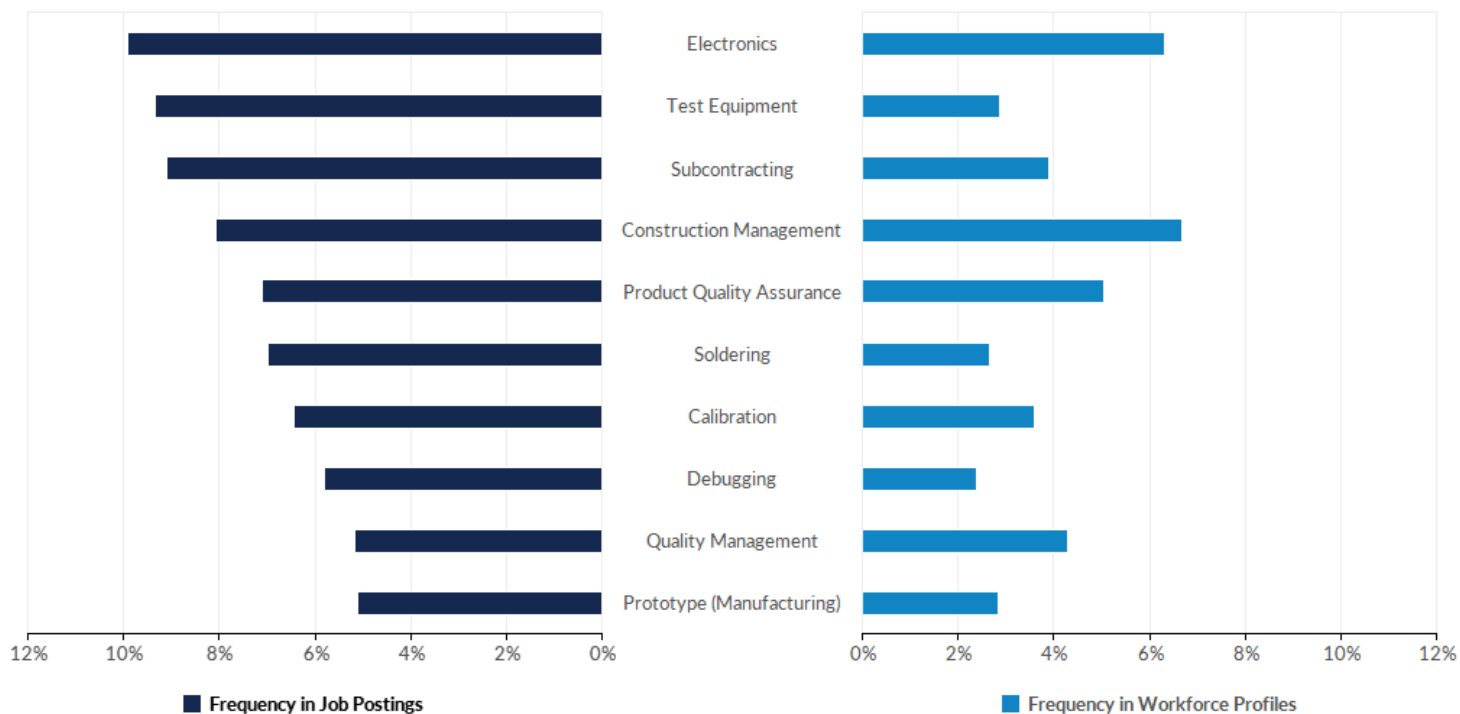
Quality Assurance (QA) Technician (Architecture and Engineering)	453 / 121	4 : 1		33 days
Project Manager	470 / 115	4 : 1		52 days
Laboratory Technician (Architecture and Engineering)	614 / 111	6 : 1		53 days
Construction Foreman	343 / 100	3 : 1		33 days
Project Coordinator (Management)	375 / 95	4 : 1		40 days
Maintenance Technician (Installation, Maintenance, and Repair)	431 / 94	5 : 1		40 days
Laboratory Technician (Life, Physical, and Social Science)	350 / 91	4 : 1		31 days
Construction Project Coordinator	921 / 88	10 : 1		50 days
Carpenter	251 / 87	3 : 1		34 days
Cable Assembler	254 / 84	3 : 1		34 days
Construction Coordinator	325 / 81	4 : 1		30 days
Foreman (Construction and Extraction)	343 / 78	4 : 1		41 days
Electro-Mechanical Technician	379 / 77	5 : 1		25 days
Manufacturing Technician (Production)	420 / 75	6 : 1		33 days
Cable Technician (Installation, Maintenance, and Repair)	177 / 71	2 : 1		40 days
Construction Manager	233 / 70	3 : 1		38 days
Electrical Assembler	215 / 70	3 : 1		31 days
Maintenance Manager (Installation, Maintenance, and Repair)	246 / 68	4 : 1		35 days
Fabricator	235 / 67	4 : 1		33 days
Research and Development (R&D) Engineer	367 / 65	6 : 1		41 days
Plumbing Foreman	109 / 62	2 : 1		257 days
Electrical Superintendent	357 / 55	6 : 1		38 days
Construction Administrator	139 / 54	3 : 1		28 days
Design Engineer (Architecture and Engineering)	137 / 49	3 : 1		33 days

Field Supervisor	86 / 45	2 : 1		17 days
Radio Frequency Technician	111 / 44	3 : 1		33 days
Crew Leader	89 / 43	2 : 1		34 days

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 and experience levels.*

Top Hard Skills



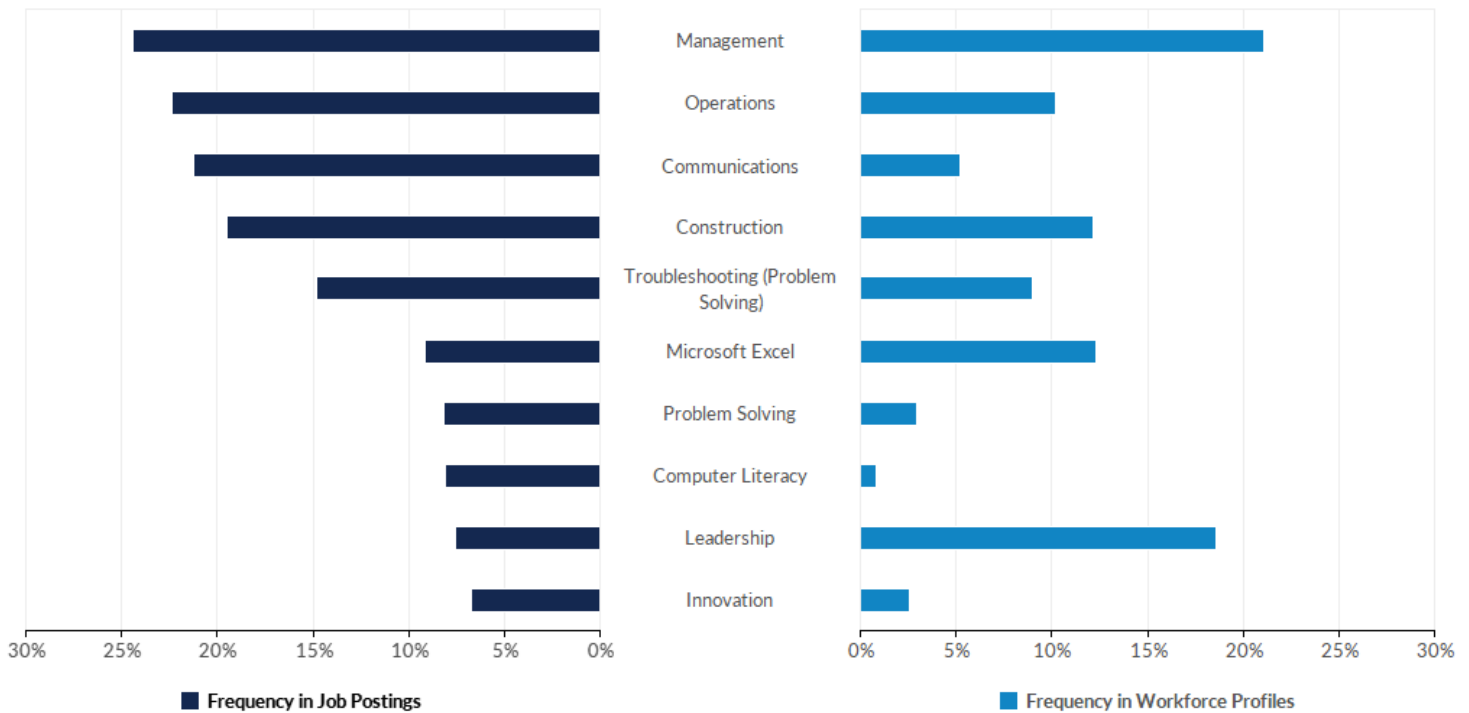
Top Hard Skills

Skill	Frequency in Postings	Postings with Skill / Total Postings (Sep 2016 - Aug 2018)	Frequency in Profiles	Profiles with Skill / Total Profiles (2016 - 2018)
Electronics	10%	1,337 / 13,503	6%	904 / 14,310
Test Equipment	9%	1,261 / 13,503	3%	413 / 14,310
Subcontracting	9%	1,227 / 13,503	4%	558 / 14,310
Construction Management	8%	1,090 / 13,503	7%	958 / 14,310
Product Quality Assurance	7%	958 / 13,503	5%	721 / 14,310
Soldering	7%	941 / 13,503	3%	381 / 14,310
Calibration	6%	869 / 13,503	4%	515 / 14,310

Debugging	6%	784 / 13,503	2%	343 / 14,310
Quality Management	5%	696 / 13,503	4%	613 / 14,310
Prototype (Manufacturing)	5%	688 / 13,503	3%	408 / 14,310
Electrical Wirings	5%	674 / 13,503	2%	286 / 14,310
Electrical Engineering	4%	566 / 13,503	2%	328 / 14,310
Automation	4%	563 / 13,503	3%	417 / 14,310
Blueprinting	4%	526 / 13,503	2%	331 / 14,310
Instrumentation	4%	475 / 13,503	2%	298 / 14,310
Packaging And Labeling	3%	462 / 13,503	2%	284 / 14,310
Submittals (Construction)	3%	408 / 13,503	2%	254 / 14,310
Printed Circuit Board	3%	384 / 13,503	2%	232 / 14,310
Microsoft Access	3%	375 / 13,503	2%	336 / 14,310
New Product Development	3%	375 / 13,503	6%	852 / 14,310
Good Manufacturing Practices	3%	371 / 13,503	2%	325 / 14,310
Renovation	3%	369 / 13,503	4%	555 / 14,310
Purchasing	3%	361 / 13,503	3%	366 / 14,310
Personal Protective Equipment	3%	351 / 13,503	0%	23 / 14,310
Carpentry	3%	350 / 13,503	3%	444 / 14,310
Tooling	3%	340 / 13,503	1%	92 / 14,310
Control Systems	2%	327 / 13,503	1%	112 / 14,310
Pharmaceuticals	2%	326 / 13,503	2%	229 / 14,310
Manufacturing Operations	2%	322 / 13,503	0%	63 / 14,310
Optics	2%	313 / 13,503	2%	232 / 14,310
Software Quality Assurance (SQA)	2%	313 / 13,503	2%	324 / 14,310
Mechanical Engineering	2%	310 / 13,503	1%	156 / 14,310
Cleanrooms	2%	309 / 13,503	2%	256 / 14,310

Computer Control Systems	2%	309 / 13,503	1%	121 / 14,310
Electronic Circuits	2%	303 / 13,503	1%	72 / 14,310
Plumbing	2%	297 / 13,503	2%	246 / 14,310
Warehousing	2%	290 / 13,503	2%	260 / 14,310
Telecommunications	2%	274 / 13,503	3%	412 / 14,310
Mechanical Assembly	2%	268 / 13,503	1%	95 / 14,310
Disassembler	2%	255 / 13,503	0%	0 / 14,310
Voltage	2%	254 / 13,503	0%	69 / 14,310
Auditing	2%	249 / 13,503	2%	334 / 14,310
Fabrication	2%	244 / 13,503	1%	123 / 14,310
Corrective And Preventive Actions	2%	222 / 13,503	1%	91 / 14,310
Preventive Maintenance	2%	216 / 13,503	2%	247 / 14,310
Signal Generators	2%	209 / 13,503	1%	78 / 14,310
Continuous Improvement Process	2%	208 / 13,503	2%	331 / 14,310
Biotechnology	1%	199 / 13,503	2%	290 / 14,310
Low Voltage	1%	199 / 13,503	1%	80 / 14,310
Computer-Aided Design	1%	192 / 13,503	1%	199 / 14,310

Top Common Skills



Top Common Skills

Skill	Frequency in Postings	Postings with Skill / Total Postings (Sep 2016 - Aug 2018)	Frequency in Profiles	Profiles with Skill / Total Profiles (2016 - 2018)
Management	24%	3,297 / 13,503	21%	3,017 / 14,310
Operations	22%	3,023 / 13,503	10%	1,462 / 14,310
Communications	21%	2,872 / 13,503	5%	751 / 14,310
Construction	19%	2,628 / 13,503	12%	1,741 / 14,310
Troubleshooting (Problem Solving)	15%	2,005 / 13,503	9%	1,287 / 14,310
Microsoft Excel	9%	1,234 / 13,503	12%	1,760 / 14,310
Problem Solving	8%	1,107 / 13,503	3%	424 / 14,310
Computer Literacy	8%	1,094 / 13,503	1%	123 / 14,310
Leadership	8%	1,020 / 13,503	19%	2,659 / 14,310
Innovation	7%	910 / 13,503	3%	363 / 14,310
Microsoft Outlook	5%	719 / 13,503	3%	462 / 14,310
Written Communication	5%	706 / 13,503	0%	42 / 14,310

Research	5%	687 / 13,503	12%	1,727 / 14,310
Customer Service	4%	597 / 13,503	14%	2,015 / 14,310
Coordinating	4%	593 / 13,503	2%	321 / 14,310
Interpersonal Skills	4%	560 / 13,503	1%	85 / 14,310
Verbal Communication Skills	4%	545 / 13,503	0%	14 / 14,310
Microsoft Office	4%	531 / 13,503	13%	1,796 / 14,310
Project Management	3%	463 / 13,503	10%	1,475 / 14,310
Time Management	3%	442 / 13,503	2%	326 / 14,310
Sales	3%	415 / 13,503	12%	1,714 / 14,310
Infrastructure	3%	377 / 13,503	2%	215 / 14,310
Office Suite	3%	363 / 13,503	0%	17 / 14,310
Microsoft PowerPoint	3%	360 / 13,503	8%	1,084 / 14,310
Driving	3%	342 / 13,503	1%	89 / 14,310
Quality Assurance	2%	308 / 13,503	4%	606 / 14,310
Data Analysis	2%	307 / 13,503	3%	464 / 14,310
Investigation	2%	284 / 13,503	1%	104 / 14,310
Microsoft Windows	2%	273 / 13,503	3%	468 / 14,310
Presentations	2%	263 / 13,503	3%	405 / 14,310
Mathematics	2%	250 / 13,503	1%	157 / 14,310
Microsoft Word	2%	245 / 13,503	9%	1,225 / 14,310
Information Technology	2%	230 / 13,503	3%	413 / 14,310
Creativity	2%	220 / 13,503	0%	0 / 14,310
Reliability	2%	218 / 13,503	1%	138 / 14,310
Prioritization	2%	211 / 13,503	0%	55 / 14,310
Decision Making	1%	196 / 13,503	1%	81 / 14,310
English Language	1%	176 / 13,503	2%	357 / 14,310

Spanish Language	1%	174 / 13,503	2%	224 / 14,310
Spreadsheets	1%	170 / 13,503	0%	60 / 14,310
Mentorship	1%	166 / 13,503	1%	187 / 14,310
Writing	1%	155 / 13,503	3%	469 / 14,310
Integration	1%	153 / 13,503	3%	414 / 14,310
Literacy	1%	141 / 13,503	0%	39 / 14,310
Sanitation	1%	139 / 13,503	0%	32 / 14,310
Data Entry	1%	138 / 13,503	2%	295 / 14,310
Physics	1%	138 / 13,503	1%	110 / 14,310
Computer Sciences	1%	128 / 13,503	0%	63 / 14,310
Multilingualism	1%	126 / 13,503	1%	122 / 14,310
Trust	1%	121 / 13,503	0%	22 / 14,310

Top Qualifications

Qualification	Postings with Qualification
Commercial Driver's License (CDL)	50
(American Society For Quality) ASQ Certified	19
Transportation Worker Identification Credential (TWIC) Card	15
Certified Welding Inspector	12
Certified Quality Technician	11
Certified Broadcast Radio Engineer	8
Professional Engineer	8
ASNT Non-Destructive Tester	7
Certified Medical Investigator	7
Certified Construction Manager	5
Certified Welder	4
Master Of Business Administration (MBA)	4
Medical Technologist	4
Certified Crane Operator	3
Certified IRB Manager	3
Certified Quality Improvement Associate (CQIA)	3
PMI Certified	3
Apple Certified Macintosh Technician	2
CompTIA Network+	2
Licensed Practical Nurse	2
Operator Certification	2
Product Certification	2
Accredited Tax Advisor	1
Advanced Life Support	1
Certified Calibration Technician	1
Certified Facility Manager	1

Certified First Responder	1
Certified Forensic Interviewer	1
Certified Playground Safety Inspector	1
Certified Project Management Professional	1
Certified Quality Engineer	1
Certified Quality Process Analyst	1
Certified Rehabilitation Counselor	1
Certified Safety Professional	1
Cisco Certified Technician	1
CompTIA Security+	1
Construction Health And Safety Technician	1
Institute Of Inspection Cleaning And Restoration Certification	1
Licensed Professional Engineer	1
National Registry Emergency Medical Technician	1
Physical Security Professional	1
Project Management Professional Certification	1
Radiologic Technologist	1
Residential Electronics Systems Integrator	1
Senior Certified Welding Inspector	1
Six Sigma Green Belt Certification	1

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.

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.

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.

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.

State Data Sources

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