

Program Market Demand

Building/Home/Construction Inspection/Inspector

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
46.0403	Building/Home/Construction Inspection/Inspector

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

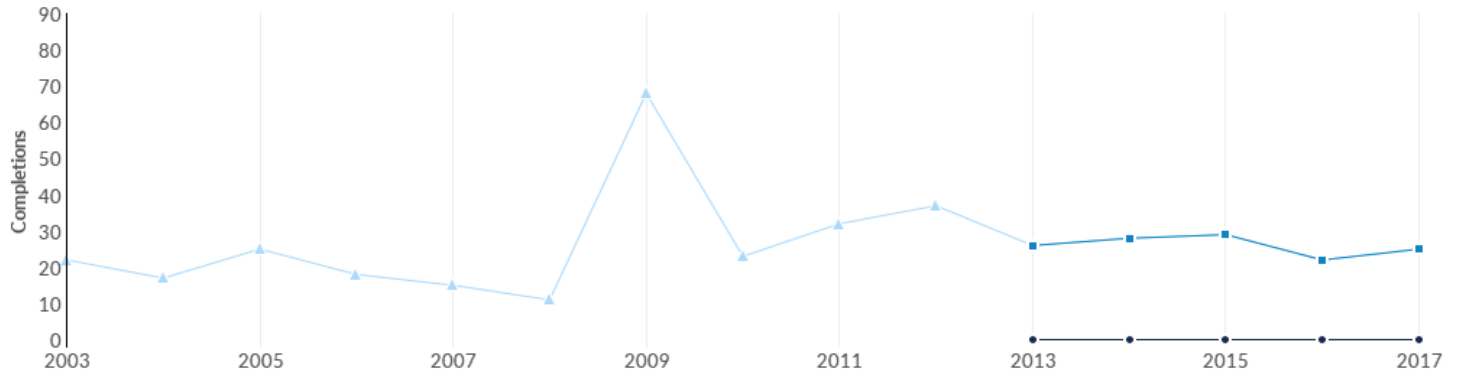
Program Overview



	Completions (2015)	% Completions	Institutions (2015)	% Institutions
● All Programs	29	100%	4	100%
● Distance Offered Programs	0	0%	0	0%
● Non-Distance Offered Programs	29	100%	4	100%

Institution	Completions (2015)	Growth % YOY (2015)	Market Share (2015)
Laney College	19	90.0%	65.5%
College of Alameda	5	-28.6%	17.2%
College of San Mateo	4	-50.0%	13.8%
Diablo Valley College	1	-66.7%	3.4%

Regional Trends



	2013 Completions	2015 Completions	% Change
● Distance Offered Programs	0	0	0.0%
■ Non-Distance Offered Programs	26	29	+11.5%
▲ All Programs	26	29	+11.5%

Job Postings vs. Hires

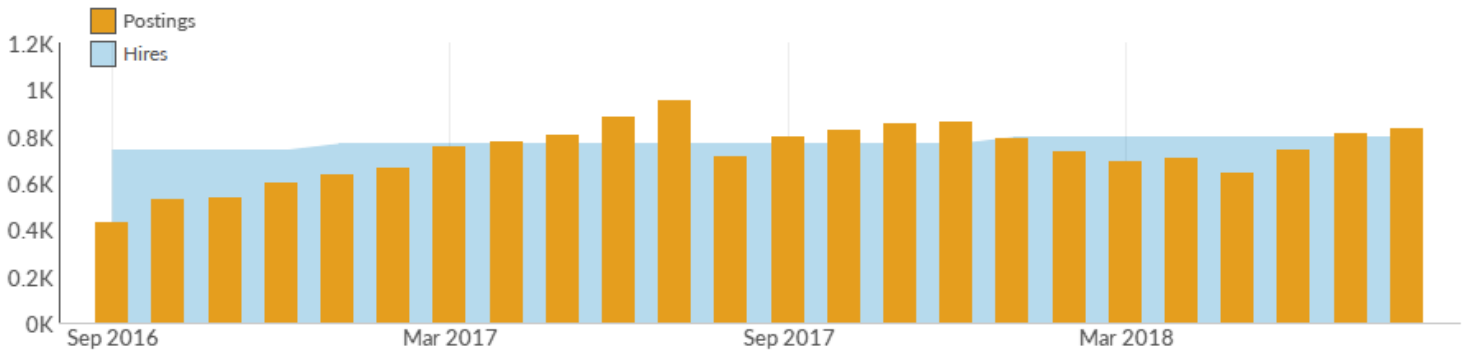
732

Avg. Monthly Postings (Sep 2016 - Aug 2018)

775


Avg. Monthly Hires (Sep 2016 - Aug 2018)

In an average month, there were 732 unique job postings for 2 Occupations, and 775 actually hired. This means there was approximately 1 hire for 2 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
Construction and Building Inspectors	152	100

Job Postings Summary

<p>5,645</p> <p>Unique Postings</p> <p>29,832 Total Postings</p>	<p>5 : 1</p> <p>Posting Intensity</p>  <p>Regional Average: 4 : 1</p>	<p>38 days</p> <p>Median Posting Duration</p> <p>Regional Average: 33 days</p>
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There were 29,832 total job postings for your selection from September 2016 to August 2018, of which 5,645 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>14,992</p> <p>Jobs (2017)</p> <p>16% below National average</p>	<p>+12.5%</p> <p>% Change (2017-2024)</p> <p>Nation: +7.0%</p>	<p>\$42.40/hr</p> <p>Median Hourly Earnings</p> <p>Nation: \$28.65/hr</p>	<p>1,861</p> <p>Annual Openings</p>
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Occupation	2017 Jobs	Annual Openings	Median Hourly Earnings	Growth (2017 - 2024)	Location Quotient (2017)
First-Line Supervisors of Construction Trades and Extraction Workers	12,033	1,488	\$41.01/hr	+13.21%	0.78
Construction and Building Inspectors	2,958	374	\$46.26/hr	+9.91%	1.18

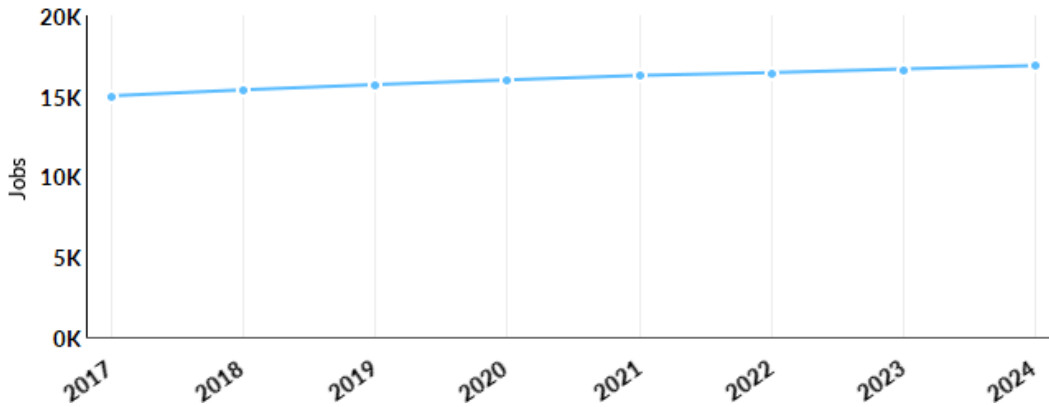
Growth

14,992
2017 Jobs

16,873
2024 Jobs

1,881
Change (2017-2024)

12.5%
% Change (2017-2024)



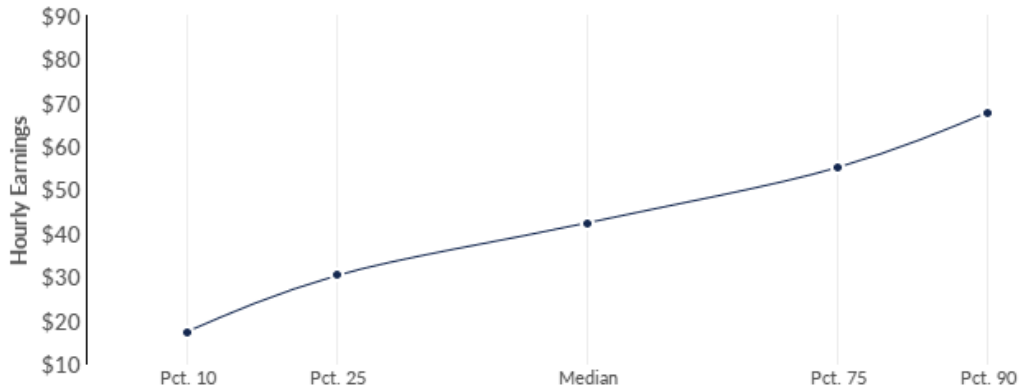
Occupation	2017 Jobs	2024 Jobs	Change	% Change
First-Line Supervisors of Construction Trades and Extraction Workers (47-1011)	12,033	13,622	1,589	13%
Construction and Building Inspectors (47-4011)	2,958	3,251	293	10%

Percentile Earnings

\$30.31/hr
25th Percentile Earnings

\$42.40/hr
Median Earnings

\$55.13/hr
75th Percentile Earnings



Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
First-Line Supervisors of Construction Trades and Extraction Workers (47-1011)	\$29.47	\$41.01	\$54.86
Construction and Building Inspectors (47-4011)	\$35.30	\$46.26	\$55.85

Top Companies Posting

Company	Total/Unique (Sep 2016 - Aug 2018)	Posting Intensity	Median Posting Duration
Cybercoders, Inc.	1,826 / 551	3 : 1	43 days
Pma Consultants, L.L.C.	10,425 / 227	46 : 1	187 days
Citizen	1,088 / 67	16 : 1	38 days
Greystar Real Estate Partners, LLC	113 / 63	2 : 1	289 days
Consolidated Engineering Co Inc	192 / 51	4 : 1	74 days
HDR Engineering, Inc.	117 / 49	2 : 1	58 days
International Code Council Inc	388 / 49	8 : 1	44 days
Pacific Gas and Electric Company	157 / 49	3 : 1	15 days
Delta Construction Partners Inc.	95 / 44	2 : 1	28 days
Cablecom, LLC	95 / 41	2 : 1	32 days
Aerotek, Inc.	232 / 38	6 : 1	13 days
AppleOne	85 / 36	2 : 1	20 days
Lennar Corporation	135 / 35	4 : 1	90 days
Kleinfelder, Inc.	194 / 34	6 : 1	88 days
Growing People and Companies	94 / 33	3 : 1	31 days
Homeadvisor, Inc.	127 / 29	4 : 1	9 days
Robert Half International Inc.	189 / 27	7 : 1	21 days
Related Management Corporation	187 / 25	7 : 1	56 days
Advanced Employment Services, Inc	979 / 24	41 : 1	51 days
Careers In Government Inc	61 / 24	3 : 1	38 days
Mastec, Inc.	71 / 23	3 : 1	36 days
City of Fremont	58 / 22	3 : 1	69 days
RANDSTAD HOLDING nv	123 / 22	6 : 1	41 days
Bureau Veritas North America, Inc.	46 / 19	2 : 1	72 days
The Davey Tree Expert Company	82 / 18	5 : 1	59 days

Cbre Group, Inc.	194 / 17	11 : 1		34 days
Helix Limited	63 / 17	4 : 1		57 days
Itc Service Group, Inc.	62 / 17	4 : 1		92 days
Online Technical Services Inc	63 / 17	4 : 1		31 days
Center For Employment Opportunities, Inc.	32 / 16	2 : 1		33 days
Fairfield Residential LLC	45 / 16	3 : 1		48 days
Sunrun Inc.	112 / 16	7 : 1		48 days
ABM Industries Incorporated	49 / 15	3 : 1		44 days
Management Recruiters International, Inc.	36 / 15	2 : 1		17 days
Meritage Homes Corporation	81 / 15	5 : 1		39 days
California Drywall Co.	33 / 13	3 : 1		58 days
Creative Construction Inc	20 / 13	2 : 1		46 days
Engeo Incorporated	23 / 13	2 : 1		30 days
Grantham & Co Inc	21 / 13	2 : 1		2 days
MICHAEL PAGE INTERNATIONAL PLC	25 / 13	2 : 1		32 days
University of California	41 / 13	3 : 1		60 days
Vali Cooper & Associates, Inc.	24 / 13	2 : 1		66 days
Aecom	73 / 12	6 : 1		35 days
Bergman Inc	15 / 12	1 : 1		61 days
Delta Construction	18 / 12	2 : 1		9 days
Dpr Construction, Inc.	16 / 12	1 : 1		30 days
Kennedy/Jenks Consultants, Inc.	35 / 12	3 : 1		48 days
Power Design, Inc.	40 / 12	3 : 1		68 days
TRC Companies, Inc.	49 / 12	4 : 1		68 days
American Technologies Inc.	27 / 11	2 : 1		50 days

Top Posted Job Titles

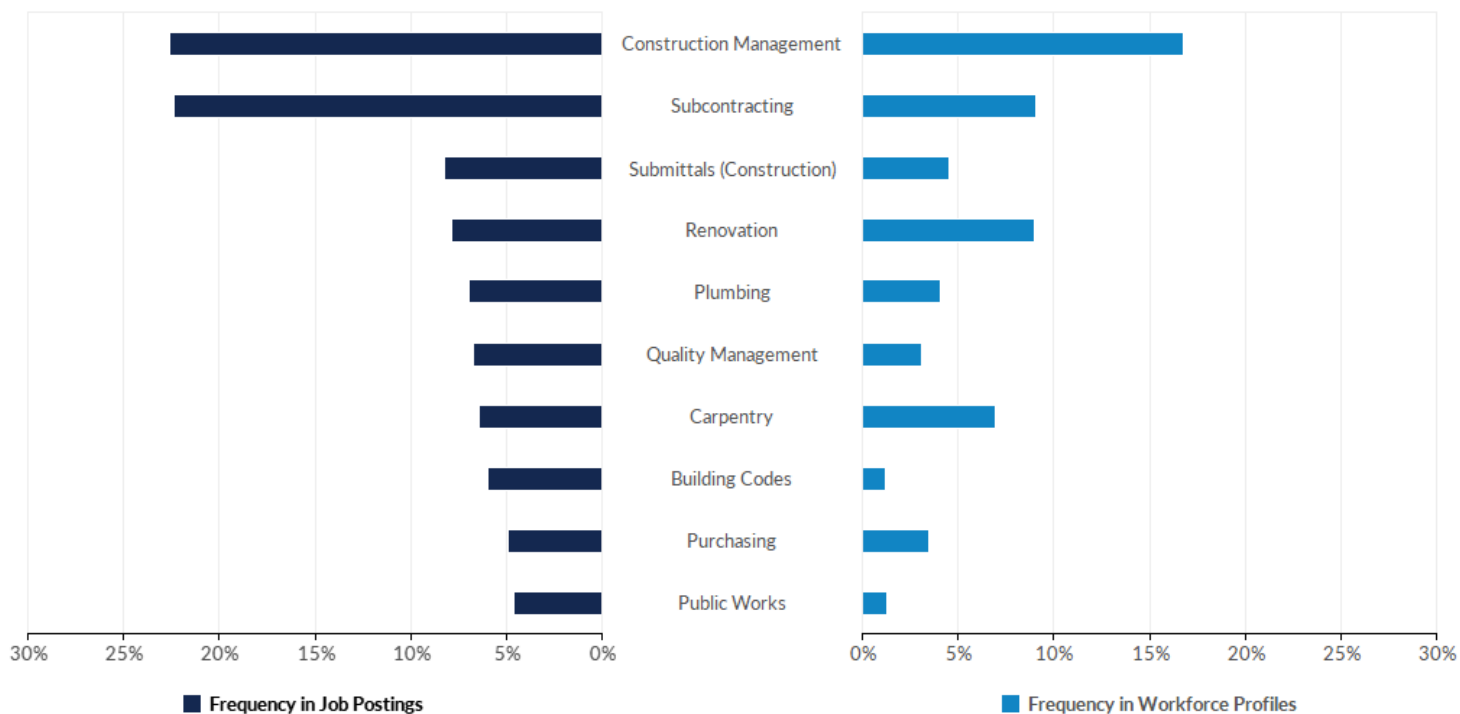
Job Title	Total/Unique (Sep 2016 - Aug 2018)	Posting Intensity	Median Posting Duration
Construction Inspector	1,199 / 399	3 : 1 	41 days
Building Inspector	989 / 315	3 : 1 	38 days
Assistant Construction Project Manager	1,234 / 291	4 : 1 	41 days
Construction Scheduler	10,541 / 267	39 : 1 	173 days
Construction Supervisor	862 / 238	4 : 1 	34 days
Assistant Construction Superintendent	633 / 219	3 : 1 	45 days
Construction Superintendent	716 / 198	4 : 1 	42 days
Project Manager (Management)	540 / 183	3 : 1 	34 days
Superintendent (Construction and Extraction)	466 / 161	3 : 1 	43 days
Project Manager	507 / 119	4 : 1 	47 days
Construction Foreman	343 / 100	3 : 1 	33 days
Project Coordinator (Management)	388 / 100	4 : 1 	39 days
Construction Project Coordinator	921 / 88	10 : 1 	50 days
Carpenter	238 / 84	3 : 1 	34 days
Foreman (Construction and Extraction)	356 / 84	4 : 1 	44 days
Construction Coordinator	325 / 81	4 : 1 	30 days
Construction Manager	237 / 73	3 : 1 	37 days
Plumbing Foreman	119 / 66	2 : 1 	275 days
Electrical Superintendent	384 / 58	7 : 1 	38 days
Maintenance Manager (Installation, Maintenance, and Repair)	192 / 56	3 : 1 	42 days
Construction Administrator	143 / 55	3 : 1 	26 days
Field Supervisor	103 / 55	2 : 1 	20 days
Compliance Analyst	311 / 49	6 : 1 	59 days
Crew Leader	89 / 43	2 : 1 	34 days
Superintendent (Management)	195 / 43	5 : 1 	38 days

Electrical Foreman	228 / 42	5 : 1		54 days
Construction Engineer	96 / 37	3 : 1		33 days
Janitor	59 / 36	2 : 1		31 days
Residential Electrician	637 / 35	18 : 1		19 days
Estimator (Business and Financial Operations)	72 / 31	2 : 1		31 days
Project Administrator (Construction and Extraction)	53 / 28	2 : 1		32 days
Project Supervisor	110 / 28	4 : 1		31 days
Materials Tester	170 / 27	6 : 1		79 days
Laboratory Technician (Life, Physical, and Social Science)	96 / 26	4 : 1		34 days
Maintenance Coordinator	530 / 26	20 : 1		45 days
Accountant	52 / 25	2 : 1		59 days
Roofing Laborer	59 / 24	2 : 1		53 days
Sales Manager (Management)	67 / 24	3 : 1		37 days
Construction Helper	46 / 23	2 : 1		46 days
General Foreman	56 / 23	2 : 1		37 days
Law Enforcement Officer	34 / 23	1 : 1		20 days
Foreman (Production)	61 / 22	3 : 1		54 days
Project Manager (Computer and Mathematical)	48 / 22	2 : 1		30 days
Concrete Superintendent	189 / 21	9 : 1		45 days
Plumber	118 / 20	6 : 1		15 days
Project Assistant	59 / 20	3 : 1		19 days
Crew Supervisor	40 / 19	2 : 1		33 days
Project Administrator (Management)	62 / 19	3 : 1		21 days
Field Inspector	72 / 18	4 : 1		62 days
Engineering Superintendent	30 / 17	2 : 1		29 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



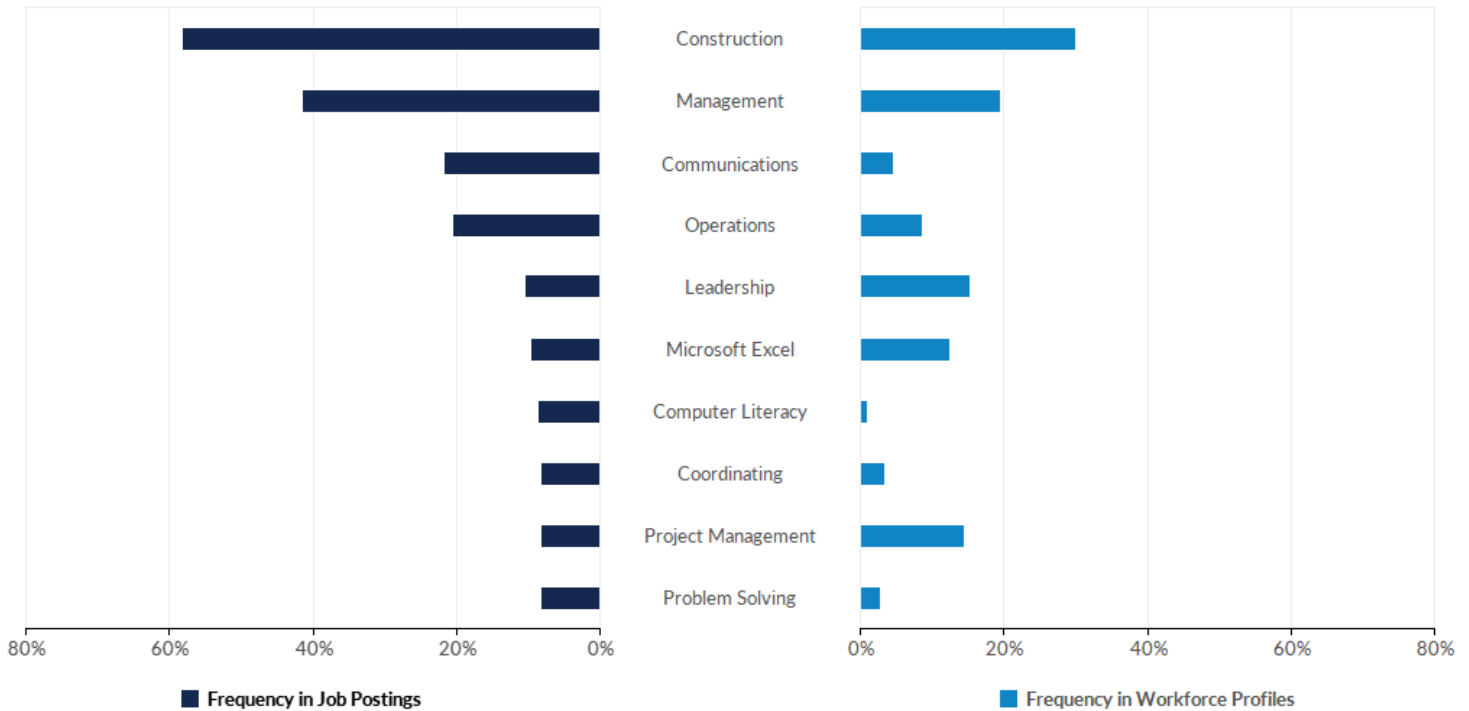
Top Hard Skills

Skill	Frequency in Postings	Postings with Skill / Total Postings (Sep 2016 - Aug 2018)	Frequency in Profiles	Profiles with Skill / Total Profiles (2016 - 2018)
Construction Management	23%	1,275 / 5,645	17%	1,072 / 6,387
Subcontracting	22%	1,262 / 5,645	9%	579 / 6,387
Submittals (Construction)	8%	465 / 5,645	5%	291 / 6,387
Renovation	8%	444 / 5,645	9%	574 / 6,387
Plumbing	7%	393 / 5,645	4%	261 / 6,387
Quality Management	7%	380 / 5,645	3%	196 / 6,387
Carpentry	6%	361 / 5,645	7%	443 / 6,387

Building Codes	6%	338 / 5,645	1%	78 / 6,387
Purchasing	5%	277 / 5,645	3%	222 / 6,387
Public Works	5%	261 / 5,645	1%	80 / 6,387
Occupational Health And Safety Administration (OSHA)	4%	198 / 5,645	2%	106 / 6,387
Building Inspections	3%	187 / 5,645	1%	53 / 6,387
Roofing	3%	187 / 5,645	2%	150 / 6,387
Ordinances	3%	186 / 5,645	0%	11 / 6,387
Budgeting	3%	184 / 5,645	8%	505 / 6,387
Civil Engineering	3%	169 / 5,645	3%	189 / 6,387
Painting	3%	155 / 5,645	4%	227 / 6,387
Microsoft Access	3%	145 / 5,645	2%	135 / 6,387
Customer Satisfaction	3%	142 / 5,645	3%	165 / 6,387
Personal Protective Equipment	2%	141 / 5,645	0%	8 / 6,387
Estimators	2%	139 / 5,645	3%	176 / 6,387
Warehousing	2%	133 / 5,645	2%	120 / 6,387
HVAC	2%	132 / 5,645	2%	158 / 6,387
Product Quality Assurance	2%	129 / 5,645	2%	114 / 6,387
Disability Insurance	2%	123 / 5,645	0%	0 / 6,387
Landscaping	2%	119 / 5,645	2%	98 / 6,387
Microsoft Project	2%	118 / 5,645	3%	203 / 6,387
Property Management	2%	118 / 5,645	1%	92 / 6,387
Telecommunications	2%	118 / 5,645	1%	94 / 6,387
Bidding	2%	117 / 5,645	3%	186 / 6,387
Billing	2%	101 / 5,645	1%	86 / 6,387
Accounting	2%	95 / 5,645	2%	123 / 6,387
Procurement	2%	94 / 5,645	3%	164 / 6,387

Land Zoning	2%	91 / 5,645	1%	50 / 6,387
Constructability	2%	87 / 5,645	2%	126 / 6,387
Shop Drawing	2%	87 / 5,645	1%	32 / 6,387
Code Enforcement	2%	86 / 5,645	1%	75 / 6,387
Social Security	1%	84 / 5,645	0%	0 / 6,387
Soil Science	1%	78 / 5,645	1%	43 / 6,387
Electrical Codes	1%	77 / 5,645	0%	0 / 6,387
Safety Standards	1%	75 / 5,645	0%	0 / 6,387
Auditing	1%	72 / 5,645	2%	116 / 6,387
Employee Assistance Programs	1%	69 / 5,645	0%	0 / 6,387
Blueprinting	1%	68 / 5,645	4%	230 / 6,387
Community Development	1%	67 / 5,645	1%	66 / 6,387
Surveying	1%	67 / 5,645	1%	59 / 6,387
Taking Meeting Minutes	1%	66 / 5,645	0%	25 / 6,387
Weld Quality Assurance	1%	65 / 5,645	0%	9 / 6,387
Business Development	1%	63 / 5,645	3%	181 / 6,387
Primavera	1%	61 / 5,645	2%	113 / 6,387

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)
Construction	58%	3,285 / 5,645	30%	1,912 / 6,387
Management	41%	2,339 / 5,645	20%	1,247 / 6,387
Communications	22%	1,234 / 5,645	5%	299 / 6,387
Operations	21%	1,158 / 5,645	9%	556 / 6,387
Leadership	11%	594 / 5,645	15%	973 / 6,387
Microsoft Excel	10%	545 / 5,645	12%	798 / 6,387
Computer Literacy	9%	487 / 5,645	1%	58 / 6,387
Coordinating	8%	464 / 5,645	3%	217 / 6,387
Project Management	8%	464 / 5,645	14%	925 / 6,387
Problem Solving	8%	462 / 5,645	3%	184 / 6,387
Microsoft Outlook	8%	459 / 5,645	4%	249 / 6,387
Innovation	7%	407 / 5,645	1%	67 / 6,387

Customer Service	7%	406 / 5,645	17%	1,089 / 6,387
Research	7%	389 / 5,645	9%	585 / 6,387
Written Communication	6%	340 / 5,645	0%	15 / 6,387
Infrastructure	5%	291 / 5,645	1%	78 / 6,387
Interpersonal Skills	5%	290 / 5,645	0%	30 / 6,387
Microsoft Office	5%	276 / 5,645	13%	849 / 6,387
Time Management	5%	272 / 5,645	2%	155 / 6,387
Sales	4%	236 / 5,645	12%	741 / 6,387
Office Suite	4%	205 / 5,645	0%	6 / 6,387
Verbal Communication Skills	4%	203 / 5,645	0%	4 / 6,387
Microsoft Word	3%	171 / 5,645	9%	553 / 6,387
Investigation	3%	160 / 5,645	1%	77 / 6,387
Mentorship	3%	145 / 5,645	1%	68 / 6,387
Spanish Language	2%	139 / 5,645	2%	106 / 6,387
Microsoft PowerPoint	2%	131 / 5,645	7%	451 / 6,387
Driving	2%	127 / 5,645	1%	34 / 6,387
Writing	2%	122 / 5,645	3%	164 / 6,387
Decision Making	2%	120 / 5,645	1%	32 / 6,387
Prioritization	2%	117 / 5,645	0%	30 / 6,387
Spreadsheets	2%	117 / 5,645	0%	31 / 6,387
English Language	2%	116 / 5,645	2%	157 / 6,387
Quality Assurance	2%	116 / 5,645	2%	115 / 6,387
Filing	2%	103 / 5,645	1%	95 / 6,387
Multilingualism	2%	103 / 5,645	1%	54 / 6,387
Presentations	2%	98 / 5,645	3%	197 / 6,387
Word Processor	2%	98 / 5,645	0%	16 / 6,387

Real Estates	2%	96 / 5,645	3%	173 / 6,387
Creativity	2%	92 / 5,645	0%	0 / 6,387
First Aid	2%	89 / 5,645	1%	73 / 6,387
Hospitality	2%	89 / 5,645	1%	54 / 6,387
Mathematics	2%	87 / 5,645	1%	51 / 6,387
Training And Development	2%	85 / 5,645	1%	62 / 6,387
Information Technology	1%	84 / 5,645	2%	136 / 6,387
Cardiopulmonary Resuscitation	1%	81 / 5,645	1%	57 / 6,387
Listening Skills	1%	81 / 5,645	0%	5 / 6,387
Troubleshooting (Problem Solving)	1%	68 / 5,645	3%	212 / 6,387
Clerical Works	1%	67 / 5,645	1%	41 / 6,387
Program Management	1%	64 / 5,645	5%	332 / 6,387

Top Qualifications

Qualification	Postings with Qualification
Certified Welding Inspector	97
Commercial Driver's License (CDL)	38
Professional Engineer	16
ASNT Non-Destructive Tester	14
Residential Building Inspector	14
Certified Broadcast Radio Engineer	8
Certified Construction Manager	6
Certified Professional In Erosion And Sediment Control (CPESC)	4
Certified Welder	4
Certified Crane Operator	3
Master Of Business Administration (MBA)	3
PMI Certified	3
Residential Electrical Inspector	3
Residential Plumbing Inspector	3
Certified Fire Inspector	2
Certified First Responder	2
National Inspection Testing Certification	2
Residential Combination Inspector	2
Residential Mechanical Inspector	2
Transportation Worker Identification Credential (TWIC) Card	2
Certified Building Inspector	1
Certified Playground Safety Inspector	1
Certified Project Management Professional	1
Certified Safety Professional	1
Construction Health And Safety Technician	1
Licensed Professional Engineer	1

National Registry Emergency Medical Technician	1
Nurse Practitioner	1
Physical Security Professional	1
Project Management Professional Certification	1
Residential Electronics Systems Integrator	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