

Program Overview

2 Construction Trades

Lightcast Q3 2023 Data Set

August 2023

San Mateo County Community College District



Parameters

Completions Year: 2020

Jobs Timeframe: 2022 - 2029

Job Postings Timeframe: Jun 2021 - Jul 2023

Programs:

Code	Description	Code	Description
46.0302	Electrician	46.0303	Lineworker

Regions:

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

Education Level:

Description
Associate degree

Tuition Type: Tuition & Fees

Graduate Status: Undergraduate

Residency: In-State

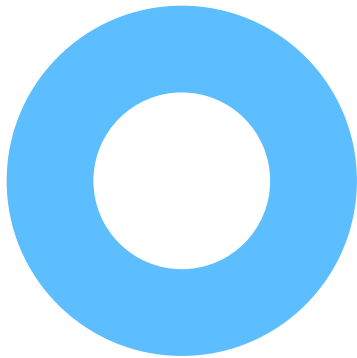
There are not enough institutions in this search to display this information.

Program Overview



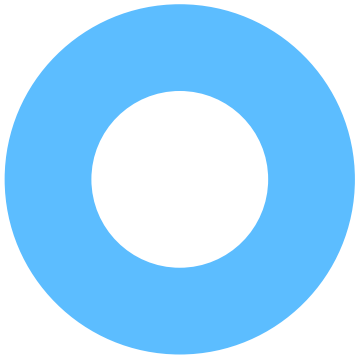
	Completions (2020)	% Completions	Institutions (2020)	% Institutions
● All Programs	5	100%	1	100%
● Distance Offered Programs	0	0%	0	0%
● Non-Distance Offered Programs	5	100%	1	100%

Market Share by Institution Type



Institution Type	Completions (2020)	Market Share
● Public, 4-year or above	5	100.0%

Market Share by Program

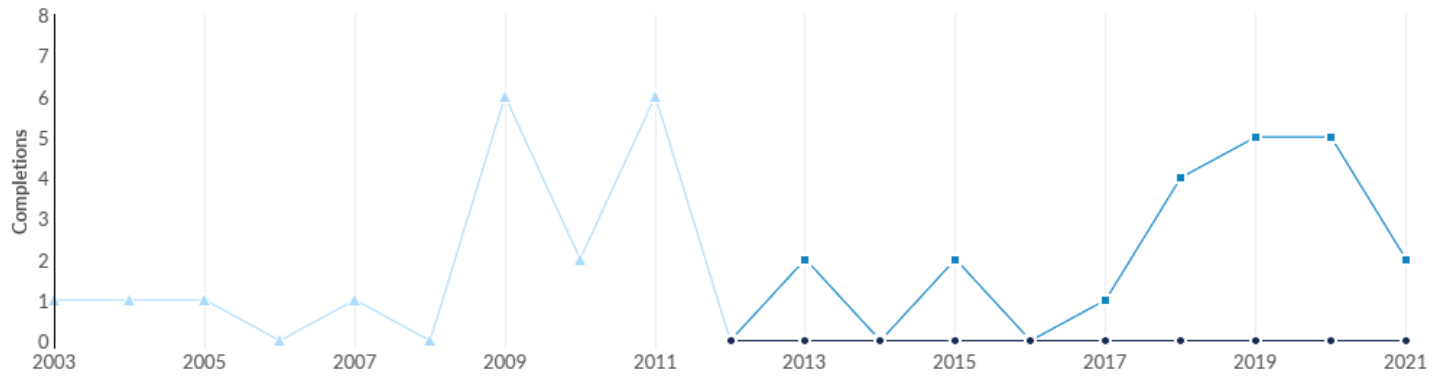


Program	Completions (2020)	Market Share
● Electrician (46.0302)	5	100.0%

Completions by Institution

Institution	Associate's Degree Completions (2020)	Growth % YOY (2020)	Market Share (2020)	IPEDS Tuition & Fees (2020)	Completions Trend (2016-2020)
Foothill College	5	0.0%	100.0%	\$1,563	

Regional Trends



	2012 Completions	2020 Completions	% Change
● Distance Offered Programs	0	0	0.0%
■ Non-Distance Offered Programs	0	5	+Inf. Data
▲ All Programs	0	5	+Inf. Data

Regional Completions by Award Level



Award Level	Completions (2020)	Percent
● Associate's Degree	5	100.0%

Similar Programs

18

Programs (2020)

223

Completions (2020)

CIP Code	Program	Associate's Degree Completions (2020)
47.0604	Automobile/Automotive Mechanics Technology/Technician	81
04.0901	Architectural Technology/Technician	41
47.0101	Electrical/Electronics Equipment Installation and Repair Technology/Technician, General	32
46.0412	Building/Construction Site Management/Manager	16
48.0508	Welding Technology/Welder	16
47.0303	Industrial Mechanics and Maintenance Technology/Technician	11
46.0415	Building Construction Technology/Technician	9
15.0613	Manufacturing Engineering Technology/Technician	6
47.0603	Autobody/Collision and Repair Technology/Technician	6
46.0201	Carpentry/Carpenter	3


Target Occupations

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

<p>5,360</p> <p>Jobs (2022)*</p> <p>19% <i>below</i> National average*</p>	<p>+13.7%</p> <p>% Change (2022-2029)*</p> <p>Nation: +9.1%*</p>	<p>\$43.51/hr</p> <p>\$90.5K/yr</p> <p>Median Earnings</p> <p>Nation: \$32.02/hr;</p> <p>\$66.6K/yr</p>	<p>673</p> <p>Annual Openings*</p>
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Occupation	2022 Jobs*	Annual Openings*	Median Earnings	Growth (2022 - 2029)*	Employment Concentration (2022)*
Electricians	2,444	331	\$40.25/hr	+17.06%	0.92
First-Line Supervisors of Mechanics, Installers, and Repairers	1,151	123	\$45.42/hr	+7.30%	0.69
First-Line Supervisors of Construction Trades and Extraction Workers	942	101	\$47.71/hr	+6.26%	0.77
Telecommunications Line Installers and Repairers	334	44	\$43.60/hr	+13.17%	1.06
Security and Fire Alarm Systems Installers	257	40	\$31.54/hr	+24.90%	1.05
Electrical Power-Line Installers and Repairers	194	27	\$59.38/hr	+30.93%	0.42
Helpers--Electricians	32	5	\$21.55/hr	+15.63%	0.48
Signal and Track Switch Repairers	<10	<i>Insf. Data</i>	\$39.17/hr	<i>+Insf. Data</i>	<i>Insf. Data</i>











Job Postings Summary

<p>1,252</p> <p>Unique Postings</p> <p>4,804 Total Postings</p>	<p>4 : 1</p> <p>Posting Intensity</p>  <p>Regional Average: 4 : 1</p>	<p>340</p> <p>Employers Competing</p> <p>86,762 Total Employers</p>	<p>30 days</p> <p>Median Posting Duration</p> <p>Regional Average: 30 days</p>
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There were 4,804 total job postings for your selection from June 2021 to July 2023, of which 1,252 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 close to the Posting Intensity for all other occupations and companies in the region (4-to-1), indicating that they are putting average effort toward hiring for this position.

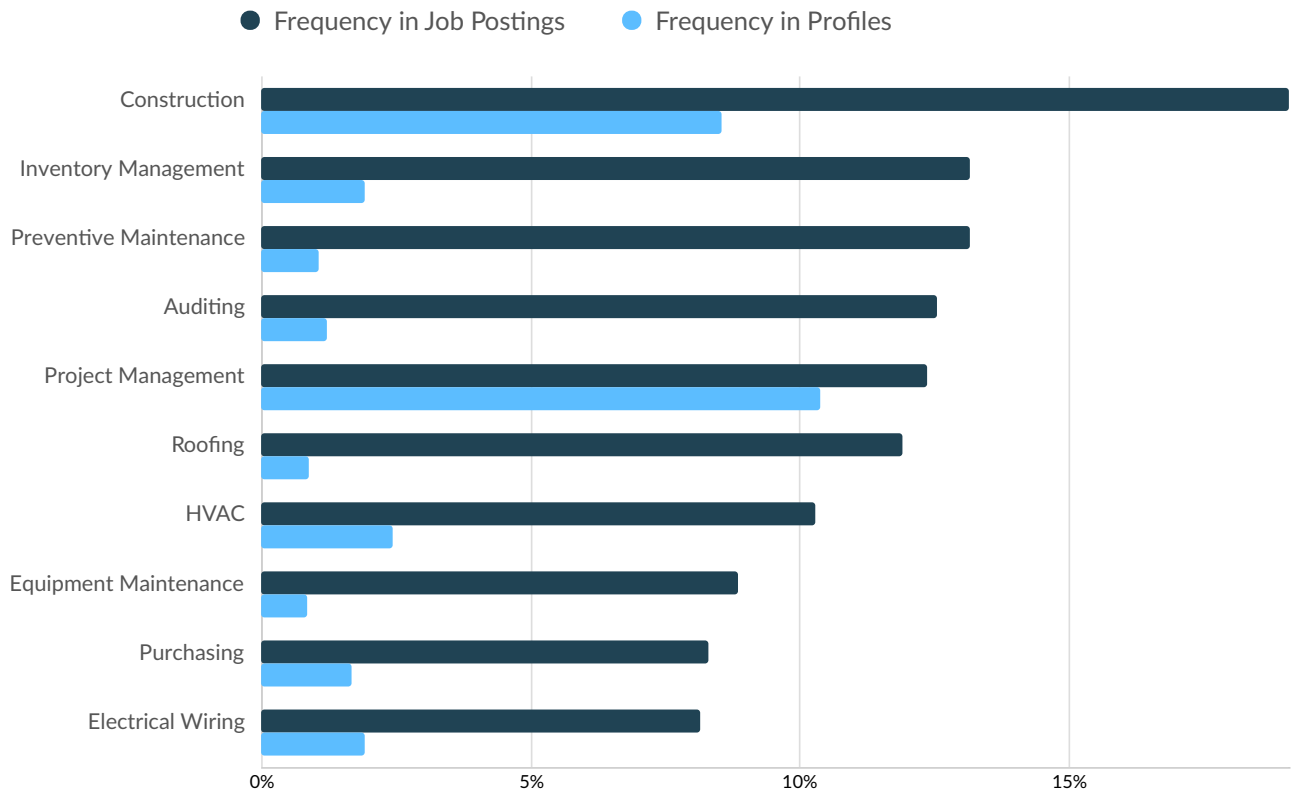
Top Companies Posting

Company	Total/Unique (Jun 2021 - Jul 2023)	Posting Intensity	Median Posting Duration
SunPower Corp.	376 / 62	6 : 1 	26 days
Bridgestone Corporation	182 / 61	3 : 1 	37 days
Terminix	162 / 49	3 : 1 	21 days
Tesla	60 / 34	2 : 1 	20 days
Allied Universal	106 / 33	3 : 1 	51 days
Ryder	133 / 30	4 : 1 	22 days
Penske Automotive Group	633 / 29	22 : 1 	37 days
Pep Boys	77 / 20	4 : 1 	28 days
Randstad	35 / 18	2 : 1 	24 days
Stanford University	45 / 18	3 : 1 	25 days

Top Posted Job Titles

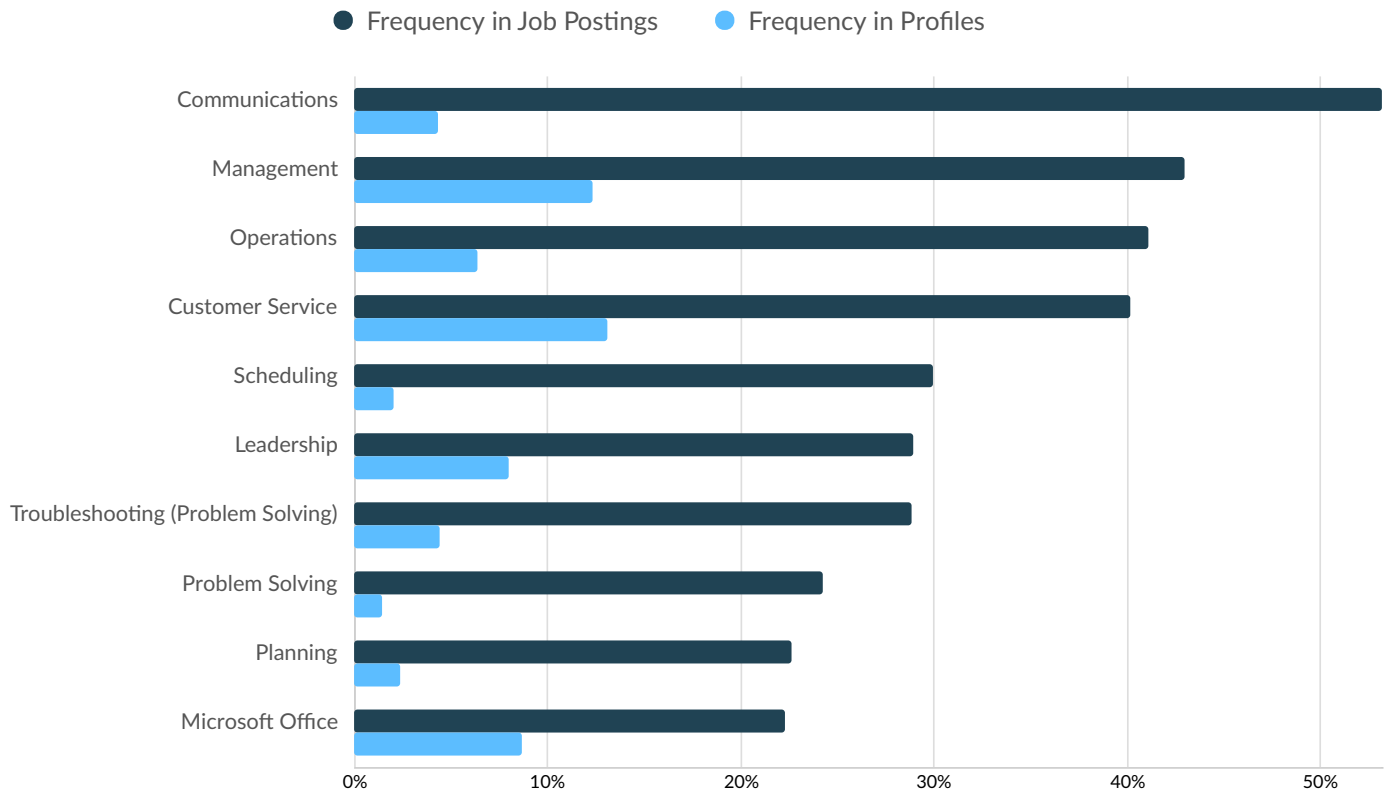
Job Title	Total/Unique (Jun 2021 - Jul 2023)	Posting Intensity	Median Posting Duration
Maintenance Supervisors	216 / 68	3 : 1 	24 days
Automotive Service Managers	197 / 63	3 : 1 	36 days
Service Managers	195 / 60	3 : 1 	41 days
Fleet Maintenance Supervisors	758 / 52	15 : 1 	35 days
Maintenance Directors	154 / 49	3 : 1 	21 days
Facilities Supervisors	160 / 47	3 : 1 	25 days
Maintenance Managers	119 / 47	3 : 1 	32 days
Fiber Splicers	150 / 36	4 : 1 	26 days
Construction Superintendents	109 / 31	4 : 1 	24 days
Service Supervisors	79 / 31	3 : 1 	34 days

Top Specialized Skills



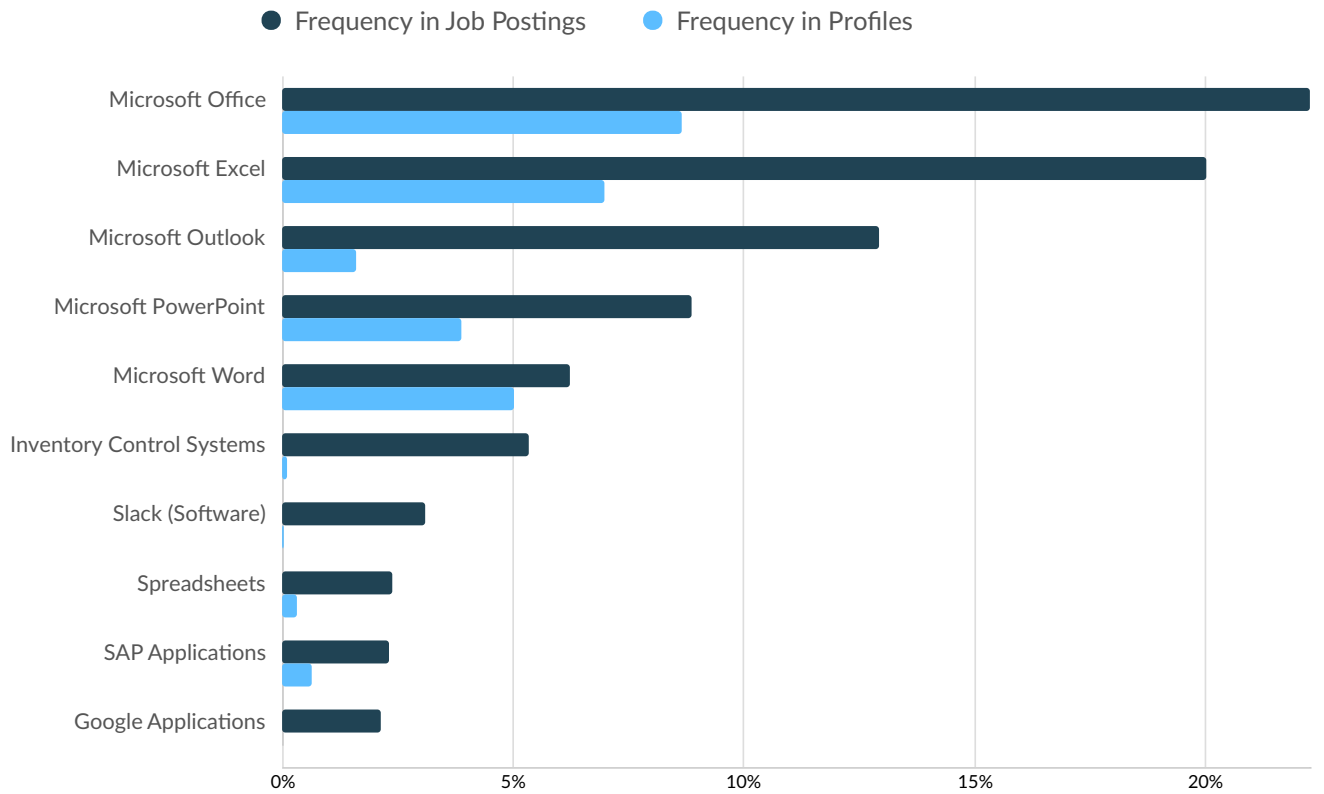
Skills	Postings	% of Total Postings	Profiles	% of Total Profiles
Construction	239	19%	2,140	9%
Inventory Management	165	13%	484	2%
Preventive Maintenance	165	13%	269	1%
Auditing	157	13%	306	1%
Project Management	155	12%	2,599	10%
Roofing	149	12%	223	1%
HVAC	129	10%	612	2%
Equipment Maintenance	111	9%	213	1%
Purchasing	104	8%	423	2%
Electrical Wiring	102	8%	485	2%

Top Common Skills



Skills	Postings	% of Total Postings	Profiles	% of Total Profiles
Communications	666	53%	1,080	4%
Management	538	43%	3,097	12%
Operations	515	41%	1,607	6%
Customer Service	503	40%	3,274	13%
Scheduling	375	30%	522	2%
Leadership	362	29%	2,014	8%
Troubleshooting (Problem Solving)	361	29%	1,108	4%
Problem Solving	304	24%	356	1%
Planning	283	23%	606	2%
Microsoft Office	279	22%	2,166	9%

Top Software Skills



Skills	Postings	% of Total Postings	Profiles	% of Total Profiles
Microsoft Office	279	22%	2,166	9%
Microsoft Excel	251	20%	1,751	7%
Microsoft Outlook	162	13%	402	2%
Microsoft PowerPoint	111	9%	978	4%
Microsoft Word	78	6%	1,258	5%
Inventory Control Systems	67	5%	31	0%
Slack (Software)	39	3%	9	0%
Spreadsheets	30	2%	80	0%
SAP Applications	29	2%	163	1%
Google Applications	27	2%	0	0%

Top Qualifications

Qualification	Postings with Qualification
Valid Driver's License	560
30-Hour OSHA General Industry Card	65
10-Hour OSHA General Industry Card	46
NABCEP Certified Energy Practitioner	33
Commercial Driver's License (CDL)	20
Cardiopulmonary Resuscitation (CPR) Certification	17
First Aid Certification	13
Six Sigma Green Belt	13
Automotive Service Excellence (ASE) Certification	12
CDL Class C License	12

Appendix A

Program Selection Details

CIP Code	Program Name
46.0302	Electrician
46.0303	Lineworker

Appendix B - 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.

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 are also affected by county-level Emsi earnings by industry.

Lightcast Job Postings

Job postings are collected from various sources and processed/enriched to provide information such as standardized company name, occupation, skills, and geography.

State Data Sources

This report uses state data from the following agencies: California Employment Development Department