

Moreno Valley College

TOP Code 050640: Small Business and Entrepreneurship

Regional Labor Market Information and Analysis

August 2022

I. Introduction, Definitions, and Data Sources

This report summarizes program completion and employment data to analyze the regional labor market for TOP Code 050640: Small Business and Entrepreneurship. It draws from the California Community Colleges Chancellor's Office (CCCCO) Curriculum Inventory, Datamart, and Perkins Core Indicator Reports; the U.S. Bureau of Labor Statistics; the Centers of Excellence for Labor Market Research (COE); the CA Employment Development Department; and O*NET OnLine.

Definitions:

Labor Market Supply and Demand

TOP Code

The California Community Colleges Taxonomy of Programs (TOP) Code is a numeric system used by the state to collect and report information on programs and courses with similar outcomes across colleges. This report refers to TOP Code Manual 6th Edition (2013).

Source: California Community Colleges Curriculum and Instruction Unit

SOC Code

The Standard Occupational Classification (SOC) system is used by federal agencies to classify workers into occupational categories to collect, calculate, or disseminate data. All workers are classified into one of 867 detailed occupations according to their occupational definition. Detailed occupations with similar job duties, and in certain instances skills, education, and/or training, are grouped together. The SOC Code system provides a uniform framework to classify positions based on the work performed regardless of the employer or industry.

Source: U.S. Bureau of Labor Statistics, CA Employment Development Department

Occupational Employment Projections

Occupational employment projections estimate changes in occupational employment over time as a result of industry growth, technological changes, and other factors. Projection data are estimates and assume the continuation of historical trends, while acknowledging that a variety of events can occur during the projection period that can impact employment levels.

Source: CA Employment Development Department

Short-term projections:

Short-term (2-year) projections are based on quarterly average employment levels by industry for base and target quarters. Averages may reflect seasonality in some occupations.

Source: CA Employment Development Department

Long-term projections:

Long-term (10-year) projections are based on annual average employment levels by industry for base and target years. When using long-term projections data, it is important to note the annual average employment levels for seasonal occupations in agriculture, construction, retail sales, or recreation may vary significantly from seasonal peak periods.

Source: CA Employment Development Department

Total Job Openings

Total job openings represents the sum of growth (new jobs) and replacement needs. It is the sum of exits (projected number of workers leaving an occupation and exiting the labor force entirely), transfers (projected number of workers permanently leaving an occupation and transferring to a different occupation), and numeric change (projected number of job gains or losses in an occupation for the projection period).

Source: CA Employment Development Department

Median Annual Wage

Median wage estimates are the mid-point of the wage distribution. 50% of workers in an occupation earn wages below and 50% earn wages above the median wage.

Source: CA Employment Development Department

Student Progress Measures**Perkins Core Indicator 2: Completions**

This indicator measures student attainment of an industry-recognized credential, a certificate, or a degree. It is the percentage of "Leavers and Completer" concentrators who: 1) receive a degree, certificate, or equivalent; or 2) complete a transfer program and are classified as Transfer Ready.

Source: CCCCCO Perkins Core Indicator Reports

Perkins Core Indicator 3: Persistence

This indicator measures student retention in postsecondary education or transfer to a baccalaureate degree program. It is the percentage of student concentrators who: 1) persisted in education at the community college level, or 2) transferred to a four-year institution. It excludes Life-Long-Learners and those who left with a certificate or degree and did not transfer.

Source: CCCCCO Perkins Core Indicator Reports

Perkins Core Indicator 4: Employment

This indicator measures student placement in military service, apprenticeship programs, or placement or retention in employment, including placement in high skill, high wage, or high demand occupations or professions. It is the percentage of Career Technical Education (CTE) program leavers and completers who did not transfer to a two or four-year institution and who, during one of the four quarters following the cohort year, were in an apprenticeship program, Unemployment Insurance covered employment, the federal government, or the military.

Source: CCCCCO Perkins Core Indicator Reports

Data Sources:TOP-SOC Codes

Moreno Valley College active credit CTE program TOP Codes were obtained from the Chancellor's Office Curriculum Inventory System (COCI). The COE TOP-CIP-SOC crosswalk was used to match TOP Codes to SOC Codes.

Total Job Openings and Median Annual Wage

Total job openings and median annual wage projection data were obtained from the CA Employment Development Department.

Educational Attainment and Requirements

Educational attainment and requirement data were obtained from the U.S. Bureau of Labor Statistics and the COE TOP-CIP-SOC Crosswalk.

II. Degrees and Certificates

At Moreno Valley College, the following active credit CTE programs are coded as TOP Code 050640 - Small Business and Entrepreneurship:

Program Title	Program Award
Entrepreneurial Essentials	Certificate of Achievement requiring 8 to less than 16 semester units or 12 to less than 24 quarter units
Entrepreneurial Foundations	Certificate of Achievement requiring 8 to less than 16 semester units or 12 to less than 24 quarter units
Entrepreneurship and the Team	Certificate of Achievement requiring 16 to less than 30 semester units or 24 to less than 45 quarter units

Source: The Chancellor's Office Curriculum Inventory System

MVC Student Achievement

Credit Program Awards (2020-2021) - TOP Code 050640

Total MVC Credit Program Awards	0
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Source: CCCC Datamart

Perkins Core Indicators (2020-2021) - TOP Code 050640

Outcome	MVC	Statewide	Performance Goal
Completions	<10	94.5%	84.6%
Persistence	<10	86.3%	87.4%
Employment	<10	73.5%	73.2%

Source: CCCC Perkins Core Indicator Reports

III. Projected Job Outlook

Based on the TOP-CIP-SOC crosswalk provided by the COE, the following SOC Codes were examined to complete the job outlook for TOP Code 050640:

- 11-1021
- 11-2022
- 11-3011
- 11-9199
- 13-1199

Short-Term Projections:

The table below shows short-term (2020-2022) occupational employment projections for the state of California in the occupations linked to TOP Code 050640. Note, short-term projections are not available below the state level.

California Short-Term Job Outlook by SOC Code

SOC Code	Description	Total Job Openings	Median Annual Wage
11-1021	General and Operations Managers	67,360	\$115,303
11-2022	Sales Managers	23,230	\$123,448
11-3011*	Administrative Services Managers	9,090	Data not available
11-9199	Managers, All Other	33,990	Data not available
13-1199	Business Operations Specialists, All Other	49,130	Data not available

Source: CA Employment Development Department

Long-Term Projections:

The following table shows Inland Empire long-term (2018-2028) projected job openings and median wages, educational requirements, and educational attainment of individuals within these occupations.

Inland Empire Long-Term Job Outlook by SOC Code

SOC Code	Description	Education	% of Individuals with Some College, No Degree	% of Individuals with an Associate's Degree	% of Individuals with a Bachelor's Degree	Inland Empire Total Job Openings	Median Annual Wage
11-1021	General and Operations Managers	Requires a Bachelor's or Higher	24.8%	9.8%	33.0%	19,868	\$102,782
11-2022	Sales Managers	Requires a Bachelor's or Higher	19.6%	9.0%	46.2%	5,280	\$92,310
11-3011*	Administrative Services Managers	Requires a Bachelor's or Higher	Data not Available	Data not Available	Data not Available	Data not Available	\$99,863
11-9199	Managers, All Other	On-The-Job Training, No College Required	Data not Available	Data not Available	Data not Available	4,529	\$111,785
13-1199	Business Operations Specialists, All Other	On-The-Job Training, No College Required	Data not Available	Data not Available	Data not Available	7,606	\$65,768

Sources: CA Employment Development Department, COE Crosswalk, Bureau of Labor Statistics

*SOC Codes were updated in 2018. According to O*NET Online SOC Code 11-3011 has been replaced by SOC Code 11-3012. However, CA Employment Development Department projection data and the COE Crosswalk use 2010 SOC Codes; therefore, job openings, wages, and educational requirements are reported for the previous SOC Code 11-3011. While the Bureau of Labor Statistics reports educational attainment on updated SOC Codes, it is not available for SOC Code 11-3012.

Long-Term Inland Empire Projected Job Openings by Transfer/Non-Transfer Pathways - TOP Code 050640

Transfer/Non-Transfer	Job Openings
Job Openings: Transfer (SOC Codes requiring a Bachelor's degree or higher)	25,148
Job Openings: Non-Transfer (SOC Codes requiring an Associate's degree or less)	12,135
Total Job Openings	37,283

Sources: CA Employment Development Department, COE Crosswalk

It is projected that between 2018-2028 there will be 37,283 Inland Empire job openings in the SOC Codes associated with TOP Code 050640 (based on available data). According to the COE, SOC Codes 11-1021, 11-2022, and 11-3011 generally require a Bachelor’s degree or higher. There are projected to be 25,148 job openings in these occupational categories. The Bureau of Labor Statistics, however, estimates that 28.6% of Sales Managers and 34.6% of General and Operations Managers have some college, but no degree or an Associate’s degree. The COE reports that SOC Codes 11-9199 and 13-1199 typically do not require any college. Projected openings for these occupations is 12,135. Using the Insight Center Family Needs Calculator, all of the SOC Codes associated with TOP Code 050640 exceed the self-sufficiency standard for the annual wage of a single adult in Riverside (\$29,421) and San Bernardino (\$28,602) counties.

IV. Regional Completers

The table below shows the number of degrees and credit certificates awarded in TOP Code 050640 in 2020-2021 at Inland Empire community colleges. Included in this analysis are: Barstow Community College, Chaffey College, College of the Desert, Copper Mountain College, Crafton Hills College, Moreno Valley College, Mt. San Jacinto College, Norco College, Palo Verde College, Riverside City College, San Bernardino Valley College, and Victor Valley College.

The following community colleges had credit program awards in TOP Code 050640 in 2020-2021: Chaffey College, Mt. San Jacinto College, Norco College, Palo Verde College, Riverside City College, and San Bernardino Valley College.

Inland Empire Community College Credit Program Awards 2020-2021 - TOP Code 050640

Total Credit Program Awards	24
Associate Degrees	6
Associate of Science (A.S.) degree	6
Credit Certificates	18
Certificate requiring 16 to < 30 semester units	11
Certificate requiring 6 to < 18 semester units	7

Source: CCCCCO Datamart

V. Net Labor Demand

To estimate net annual labor demand, we consider the estimated number of job openings, minus the annual number of program completers. The estimated total annual job openings in the table below is calculated by dividing the total for the 10-year projection period by 10. The projected Inland Empire job openings for the SOC Codes corresponding to TOP Code 050640 between 2018-2028 is 37,283 (based on available data). Dividing that number by 10 produces an annual estimate of 3,728 openings. With 24 program completers for the year 2020-2021, there is an estimated net annual labor demand of 3,704.*

Net Annual Labor Demand - Inland Empire Community Colleges - TOP Code 050640

Total Estimated Annual Job Openings (transfer and non-transfer pathway)	3,728
Program Completers (2020-2021)	24
Net Annual Labor Demand	3,704*

*Based on available projected job openings data.

In evaluating net labor demand, it is important to note that the SOC Codes matching TOP Code 050640 are also linked to other TOP Codes. The table below shows all of the TOP Codes matching the SOC Codes in this report.

SOC Code	TOP Code
11-1021: General and Operations Managers	050100: Business and Commerce, General 050500: Business Administration 050600: Business Management 050640: Small Business and Entrepreneurship 050650: Retail Store Operations and Management 050800: International Business and Trade
11-2022: Sales Managers	050100: Business and Commerce, General 050500: Business Administration 050600: Business Management 050640: Small Business and Entrepreneurship 050970: E-Commerce (business emphasis)
11-3011: Administrative Services Managers	050100: Business and Commerce, General 050500: Business Administration 050600: Business Management 050630: Management Development and Supervision 050640: Small Business and Entrepreneurship 050920: Purchasing
11-9199: Managers, All Other	050100: Business and Commerce, General 050500: Business Administration 050600: Business Management 050640: Small Business and Entrepreneurship 160100: Library Science, General 200100: Psychology, General 200300: Behavioral Science 209900: Other Psychology

	220100: Social Sciences, General 220200: Anthropology 220220: Archaeology 220400: Economics 220500: History 220600: Geography 220700: Political Science 220710: Student Government 220800: Sociology 221000: International Studies 229900: Other Social Sciences
13-1199: Business Operations Specialists, All Other	050640: Small Business and Entrepreneurship 050970: E-Commerce (business emphasis)

Source: COE Crosswalk