Moreno Valley College

TOP Code 050100: Business and Commerce, General

Regional Labor Market Information and Analysis

August 2024

I. Introduction, Definitions, and Data Sources

This report summarizes program completion and employment data to analyze the regional labor market for TOP Code 050100: Business and Commerce, General. 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: CCCCO 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 1: Postsecondary Retention & Placement

This indicator measures the percentage of CTE concentrators who, during the second quarter after program completion, remain enrolled in postsecondary education, are in advanced training, military service, a service program that receives assistance under title I of the National and Community Service Act of 1990, volunteers under the Peace Corps Act, or placed or retained in employment.
Source: California Community Colleges, CCCCO.edu

Perkins Core Indicator 2: Earned Postsecondary Credential

This indicator measures student attainment of an industry-recognized credential, a certificate, or a degree. It is the percentage of leaver and completer concentrators who: 1) receive a degree, certificate, or equivalent; or 2) complete a transfer program and are classified as Transfer Ready.
Source: California Community Colleges, CCCCO.edu

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: California Community Colleges, CCCCO.edu

Data Sources:

TOP-SOC Codes
Moreno Valley College active credit CTE program TOP Codes were obtained from the Chancellor's Office Curriculum Inventory System. The COE TOP-CIP-SOC crosswalk and O*Net Online were used to match TOP Codes to SOC Codes. Additional SOC Codes using Classification of Instructional Programs (CIP) codes may be found at https://nces.ed.gov/ipeds/cipcode/post3.aspx?y=56

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.

II. Degrees and Certificates

At Moreno Valley College, the following active credit CTE programs are coded as TOP Code 050100 - Business and Commerce, General:

Program Title	Program Award
Business Administration: General Business	Certificate of Achievement requiring 30 to < 60 semester units or 45 to < 90 quarter units
Business Administration: General Business	A.S. Degree

Source: The Chancellor's Office Curriculum Inventory System

MVC Student Achievement

Credit Program Awards (2022-2023) - TOP Code 050100

Total MVC Credit Program Awards	8
Associate of Science (A.S.) degree	3
Certificate requiring 30 to < 60 semester units	5

Source: CCCCO Datamart

Perkins Core Indicators (Cohort Year 2021-2022) - TOP Code 050100

Outcome	MVC	Statewide	Performance Goal
Core 1: Postsecondary Retention & Placement	100%	94.9%	92.0%
Core 2: Earned Postsecondary Credential	80.0%	87.7%	89.6%
Core 4: Employment	90.0%	74.6%	73.3%

Source: CCCCO 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 050100:

- 11-1021
- 11-2022
- 11-3012
- 11-3051
- 11-9199
- 13-1051
- 13-1111

Short-Term Projections:

The table below shows short-term (2023-2025) occupational employment projections for the state of California in the occupations linked to TOP Code 050100. 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	51,380	$118,793
11-2022	Sales Managers	17,120	$132,734
11-3012	Administrative Services Managers	6,790	$107,748
11-3051	Industrial Production Managers	3,720	$126,370
11-9199	Managers, All Other	36,900	$165,920
13-1051	Cost Estimators	5,740	$81,558
13-1111	Management Analysts	27,030	$86,698

Sources: CA Employment Development Department

Long-Term Projections:

The table below shows Inland Empire long-term (2020-2030) 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	Typical Education Needed for Entry	% 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	Bachelor's degree	23.7%	10.4%	33.0%	24,810	$101,536
11-2022	Sales Managers	Bachelor's degree	19.1%	8.5%	47.2%	6,040	$98,704
11-3012	Administrative Services Managers	Bachelor's degree	19.4%	12.5%	36.5%	Data not available	$103,106
11-3051	Industrial Production Managers	Bachelor's degree	20.7%	9.3%	33.3%	1,440	$100,398
11-9199	Managers, All Other	Bachelor's degree	17.5%	7.6%	35.1%	Data not available	$128,764
13-1051	Cost Estimators	Bachelor's degree	27.2%	10.5%	32.5%	2,830	$77,239
13-1111	Management Analysts	Bachelor's degree	10.9	4.9	43.8%	4,930	$84,115

Sources: CA Employment Development Department, COE Crosswalk, O*Net Online, Bureau of Labor Statistics

Long-Term Inland Empire Projected Job Openings by Transfer/Non-Transfer Pathways - TOP Code 050100

Transfer/Non-Transfer	Job Openings
Job Openings: Transfer (SOC Codes requiring a bachelor's degree or higher)	40,050
Job Openings: Non-Transfer (SOC Codes requiring an associate's degree or less)	n/a
Total Job Openings	40,050

Sources: CA Employment Development Department, COE Crosswalk

Based on available data, it is projected that between 2020-2030 there will be 40,050 Inland Empire job openings in the SOC Codes associated with TOP Code 050100. According to the Bureau of Labor Statistics all of the occupations linked to TOP Code 050100 generally require a bachelor's degree. It is estimated that

the percentage of individuals with bachelor's degrees in these occupations ranges from 32.5% to 47.2%. The MIT Living Wage Calculator estimates the annual living wage is $53,601 for a single person with no children in the Riverside-San Bernardino-Ontario metropolitan region. With median annual wages ranging from $77,239 to $128,764, all of the SOC Codes matching TOP Code 050100 exceed the living wage for the region.

IV. Regional Completers

The table below shows the number of degrees and credit certificates awarded in TOP Code 050100 in 2022-2023 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 050100 in 2022-2023: Barstow Community College, Copper Mountain College, College of the Desert, Moreno Valley College, Norco College, Riverside City College, and Victor Valley College.

Inland Empire Community College Credit Program Awards 2022-2023 - TOP Code 050100

Total Credit Program Awards	**174**
Associate Degrees	**139**
Associate of Science (A.S.) degree	139
Credit Certificates	**35**
Certificate requiring 30 to < 60 semester units	29
Certificate requiring 16 to < 30 semester units	4
Certificate requiring 6 to < 18 semester units	2

Source: CCCCO 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. Based on available data, the projected Inland Empire job openings for the SOC Codes corresponding to TOP Code 050100 between 2020-2030 is 40,050. Dividing that number by 10 produces an annual estimate of 4,005 openings. With 174 Inland Empire community college program completers for the year 202-2023, there is an estimated net annual labor demand of 3,831.

Net Annual Labor Demand - Inland Empire Community Colleges - TOP Code 050100

Total Estimated Annual Job Openings (transfer and non-transfer pathway)	4,005
Program Completers (2022-2023)	174
Net Annual Labor Demand	**3,831***

*Based on available projected job openings data.

In evaluating net labor demand, it is important to note that the SOC Codes matching TOP Code 050100 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)
11-3012: 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
11-3051: Industrial Production Managers	050100: Business and Commerce, General 050500: Business Administration 050600: Business Management
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
13-1051: Cost Estimators	050100: Business and Commerce, General
	050500: Business Administration
	050600: Business Management
	095200: Construction Crafts Technology
13-1111: Management Analysts	050100: Business and Commerce, General
	050500: Business Administration
	050600: Business Management

Source: COE Crosswalk