

Moreno Valley College

**TOP Code 050500: Business Administration**

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 050500: Business Administration. 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 6<sup>th</sup> Edition (2013).

*Source: CCCCCO 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 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: 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. 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 050500 - Business Administration:

Program Title	Program Award
Business Administration 2.0	A.S. T Degree

Source: The Chancellor's Office Curriculum Inventory System

**MVC Student Achievement**

**Credit Program Awards (2020-2021) - TOP Code 050500**

<b>Total MVC Credit Program Awards</b>	<b>66</b>
Associate in Science for Transfer (A.S.-T) Degree	66

Source: CCCC Datamart

**Perkins Core Indicators (2020-2021) - TOP Code 050500**

Outcome	MVC	Statewide	Performance Goal
Completions	100%	98.7%	84.6%
Persistence	93.8%	92.4%	87.4%
Employment	74.3%	73.8%	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 050500:

- 11-1021
- 11-2022
- 11-3011
- 11-3051
- 11-9199
- 13-1051
- 13-1111

#### 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 050500. 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
11-3051	Industrial Production Managers	3,810	\$114,377
11-9199	Managers, All Other	33,990	Data not available
13-1051	Cost Estimators	8,350	\$72,990
13-1111	Management Analysts	36,080	\$85,329

Sources: CA Employment Development Department

## Long-Term Projections:

The table below 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
11-3051	Industrial Production Managers	Requires a Bachelor's or Higher	20.3%	8.9%	32.5%	1,065	\$100,482
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
13-1051	Cost Estimators	Requires a Bachelor's or Higher	27.4%	11.3%	31.3%	3,802	\$66,085
13-1111	Management Analysts	Requires a Bachelor's or Higher	11.1%	4.9%	43.0%	4,294	\$75,711

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, median wage, 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 050500**

<b>Transfer/Non-Transfer</b>	<b>Job Openings</b>
Job Openings: Transfer (SOC Codes requiring a Bachelor’s degree or higher)	34,309
Job Openings: Non-Transfer (SOC Codes requiring an Associate’s degree or less)	4,529
<b>Total Job Openings</b>	<b>38,838</b>

Sources: CA Employment Development Department, COE Crosswalk

It is projected that between 2018-2028 there will be 38,838 Inland Empire job openings in the SOC Codes associated with TOP Code 050500 (based on available data). According to the COE, the occupational category “Managers, All Other” typically requires no college. There are projected to be 4,529 job openings in this category. The COE reports that the other SOC Codes linked to TOP Code 050500 generally require a Bachelor’s degree or higher. However, the Bureau of Labor Statistics estimates the percentage of individuals with Bachelor’s degrees in these occupations ranges from 31.3% to 46.2%, while 16.0% to 38.7% have some college or an Associate’s degree. The projected job openings for these SOC Codes is 34,309. Using the Insight Center Family Needs Calculator, with median annual wages ranging from \$66,085 to \$111,785, all of the SOC Codes matching TOP Code 050500 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 050500 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. All of the colleges had credit program awards in TOP Code 050500 in 2020-2021.

**Inland Empire Community College Credit Program Awards 2020-2021 - TOP Code 050500**

<b>Total Credit Program Awards</b>	<b>1,621</b>
<b>Associate Degrees</b>	<b>1,589</b>
Associate of Arts (A.A.) degree	30
Associate of Science (A.S.) degree	121
Associate in Science for Transfer (A.S.-T) Degree	1,438
<b>Credit Certificates</b>	<b>32</b>
Certificate requiring 16 to < 30 semester units	32

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 050500 between 2018-2028 is 38,838. Dividing that number by 10 produces an annual estimate of 3,884 openings. With 1,621 Inland Empire community college program completers for the year 2020-2021, there is an estimated net annual labor demand of 2,263.\*

**Net Annual Labor Demand - Inland Empire Community Colleges - TOP Code 050500**

Total Estimated Annual Job Openings (transfer and non-transfer pathway)	3,884
Program Completers (2020-2021)	1,621
<b>Net Annual Labor Demand</b>	<b>2,263*</b>

\*Based on available projected job openings data.

In evaluating net labor demand, it is important to note that the SOC Codes matching TOP Code 050500 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
11-3051: 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