Moreno Valley College

TOP Code 210530: Industrial and Transportation Security

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 210530: Industrial and Transportation Security. 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 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: CCCCO 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: CCCCO 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: CCCCO 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 210530 - Industrial and Transportation Security:

Program Title	Program Award
Emergency Management and Homeland Security	A.S. Degree
Emergency Management and Homeland Security	Certificate of Achievement requiring 30 to less than 60 semester units or 45 to less than 90 quarter units
Emergency Management and Homeland Security - Cybersecurity	A.S. Degree
Emergency Management and Homeland Security - Cybersecurity	Certificate of Achievement requiring 30 to less than 60 semester units or 45 to less than 90 quarter units
Emergency Management and Homeland Security - Emergency Medical Services	A.S. Degree
Emergency Management and Homeland Security - Emergency Medical Services	Certificate of Achievement requiring 30 to less than 60 semester units or 45 to less than 90 quarter units
Emergency Management and Homeland Security - Fire Technology	A.S. Degree
Emergency Management and Homeland Security - Fire Technology	Certificate of Achievement requiring 30 to less than 60 semester units or 45 to less than 90 quarter units
Emergency Management and Homeland Security- Law Enforcement	A.S. Degree
Emergency Management and Homeland Security - Law Enforcement	Certificate of Achievement requiring 30 to less than 60 semester units or 45 to less than 90 quarter units
Emergency Management and Homeland Security - Leadership	Certificate of Achievement requiring 30 to less than 60 semester units or 45 to less than 90 quarter units
Emergency Management and Homeland Security - Leadership	A.S. Degree

Source: The Chancellor's Office Curriculum Inventory System

MVC Student Achievement

Credit Program Awards (2020-2021) - TOP Code 210530

Total MVC Credit Program Awards	0

Source: CCCCO Datamart

Perkins Core Indicators (2020-2021) - TOP Code 210530

Outcome	MVC	Statewide	Performance Goal
Completions	<10	99.2%	84.6%
Persistence	<10	80.4%	87.4%
Employment	<10	96.4%	73.2%

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 210530:
- 33-3052
- 33-9093

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 210530. 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
33-3052	Transit and Railroad Police	Data not available	Data not available
33-9093	Transportation Security Screeners	1,340	Data not available

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
33-3052	Transit and Railroad Police	On-The-Job Training, No College Required	30.3%	17.1%	32.1%	Data not available	Data not available
33-9093	Transportation Security Screeners	On-The-Job Training, No College Required	32.4%	12.7%	25.4%	245	Data not available

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

It is projected that between 2018-2028 there will be 245 Inland Empire job openings in the SOC Codes associated with TOP Code 210530 (based on available data). According to the COE, both occupations linked to TOP Code 210530 typically require no college. However, the Bureau of Labor Statistics estimates that 32.1% of Transit and Railroad Police have a Bachelor's degree; 17.1% have an Associate's degree; and 30.3% have some college, no degree. 25.4% of Transportation Security Screeners have a Bachelor's degree; 12.7% have an Associate's degree; and 32.4% have some college, no degree.

IV. Regional Completers

The table below shows the number of degrees and credit certificates awarded in TOP Code 210530 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. Of these colleges, Chaffey College had credit program awards in TOP Code 210530 in 2020-2021.

Inland Empire Community College Credit Program Awards 2020-2021 - TOP Code 210530

Total Credit Program Awards	**7**
Associate Degrees	**0**
Credit Certificates	**7**
Certificate requiring 16 to < 30 semester units	7

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. The projected Inland Empire job openings for the SOC Codes corresponding to TOP Code 210530 between 2018-2028 is 245. Dividing that number by 10 produces an annual estimate of 25 openings. With 7 Inland Empire community college program completers for the year 2020-2021, there is an estimated net annual labor demand of 18.*

Net Annual Labor Demand - Inland Empire Community Colleges - TOP Code 210530

Total Estimated Annual Job Openings	25
Program Completers (2020-2021)	7
Net Annual Labor Demand	**18***

*Based on available projected job openings data.