

Moreno Valley College

**TOP Code 130500: Child Development/Early Care and Education**

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 130500: Child Development/Early Care and Education. 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 130500 - Child Development/Early Care and Education:

<b>Program Title</b>	<b>Program Award</b>
Early Childhood Education	A.S. Degree
Early Childhood Education	Certificate of Achievement requiring 30 to less than 60 semester units or 45 to less than 90 quarter units

Source: *The Chancellor's Office Curriculum Inventory System*

## **MVC Student Achievement**

### **Credit Program Awards (2020-2021) - TOP Code 130500**

<b>Total MVC Credit Program Awards</b>	<b>56</b>
Associate in Science for Transfer (A.S.-T) Degree	8
Associate of Science (A.S.) degree	3
Certificate requiring 30 to < 60 semester units	3
Certificate requiring 6 to < 18 semester units	42

Source: *CCCCO Datamart*

### **Perkins Core Indicators (2020-2021) - TOP Code 130500**

<b>Outcome</b>	<b>MVC</b>	<b>Statewide</b>	<b>Performance Goal</b>
Completions	92.7%	90.3%	84.6%
Persistence	89.0%	87.9%	87.4%
Employment	54.6%	78.4%	73.2%

Source: *CCCCO Perkins Core Indicator Reports*

### III. Projected Job Outlook

Based on the TOP-CIP-SOC crosswalk provided by the Centers of Excellence, the following SOC Codes were examined to complete the job outlook for TOP Code 130500:

- 25-2011
- 39-9011

#### 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 130500. 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
25-2011	Preschool Teachers, Except Special Education	13,930	\$35,751
39-9011	Childcare Workers	31,370	\$28,780

Source: 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
25-2011	Preschool Teachers, Except Special Education	Requires an Associate Degree	20.5%	13.5%	35.3%	4,700	\$32,255
39-9011	Childcare Workers	On-The-Job Training, No College Required	25.4%	11.3%	15.9%	12,996	\$28,752

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

It is projected that between 2018-2028 there will be 17,696 Inland Empire job openings in the SOC Codes associated with TOP Code 130500. According to the COE, SOC Code 25-2011: Preschool Teachers, Except Special Education typically requires an Associate’s degree. However, the Bureau of Labor Statistics estimates 13.5% of individuals in this occupation have an Associate’s degree; 20.5% have some college, no degree; and 35.3% have a Bachelor’s degree. SOC Code 39-9011: Childcare Workers does not typically require any college for employment according to the COE. It is estimated by the Bureau of Labor Statistics that 25.4% of individuals in this occupational category have some college, no degree; 27.2% have an Associate’s or Bachelor’s degree. Using the Insight Center Family Needs Calculator, the median wage for SOC Code 25-2011 meets the self-sufficiency standard for the annual wage of a single adult in Riverside (\$29,421) and San Bernardino (\$28,602) counties. The median wage for SOC Code 39-9011 does not meet the standard for Riverside County.

#### IV. Regional Completers

The table below shows the number of degrees and credit certificates awarded in TOP Code 130500 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 these colleges had credit program awards in this TOP Code in 2020-2021.

#### Inland Empire Community College Credit Program Awards 2020-2021 - TOP Code 130500

<b>Total Credit Program Awards</b>	<b>976</b>
<b>Associate Degrees</b>	<b>420</b>
Associate of Science (A.S.) degree	154
Associate in Science for Transfer (A.S.-T) Degree	262
Associate of Arts (A.A.) degree	4
<b>Credit Certificates</b>	<b>556</b>
Certificate requiring 30 to < 60 semester units	101
Certificate requiring 16 to < 30 semester units	76
Certificate requiring 8 to < 16 semester units	1
Certificate requiring 6 to < 18 semester units	378

Source: CCCC 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 between 2018 and 2028 for the SOC Codes corresponding to TOP Code 130500 is 17,696. Dividing that number by 10 produces an annual estimate of 1,770 openings. With 976 program completers for the year 2020-2021, there is an estimated net annual labor demand of 794.

**Net Annual Labor Demand - Inland Empire Community Colleges - TOP Code 130500**

Total Estimated Annual Job Openings	1,770
Program Completers (2020-2021)	976
<b>Net Annual Labor Demand</b>	<b>794</b>

In evaluating net labor demand, it is important to note that the SOC Codes matching TOP Code 130500 are also linked to other TOP Codes. The table below shows all of the TOP Codes matching the SOC Codes in this report.

<b>SOC Code</b>	<b>TOP Code</b>
25-2011: Preschool Teachers, Except Special Education	130500: Child Development/Early Care and Education 130540: Preschool Age Child
39-9011: Childcare Workers	130500: Child Development/Early Care and Education 130540: Preschool Age Child 130550: The School Age Child 130590: Infants and Toddlers

Source: COE Crosswalk