

Moreno Valley College

TOP Code 130500: Child Development/Early Care and Education

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 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 6th 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 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, CCCCCO.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, CCCCCO.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, CCCCCO.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 130500 - Child Development/Early Care and Education:

| Program Title | Program Award |
|---------------------------|--------------------------------------------------------------------------------------------|
| Early Childhood Education | A.S. Degree |
| Early Childhood Education | Certificate of Achievement requiring 30 to < 60 semester units or 45 to < 90 quarter units |

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

MVC Student Achievement

Credit Program Awards (2022-2023) - TOP Code 130500

| | |
|---------------------------------------------------|-----------|
| Total MVC Credit Program Awards | 95 |
| Associate in Science for Transfer (A.S.-T) Degree | 12 |
| Associate of Science (A.S.) degree | 6 |
| Certificate requiring 30 to < 60 semester units | 5 |
| Certificate requiring 6 to < 18 semester units | 72 |

Source: *CCCCO Datamart*

Perkins Core Indicators (Cohort Year 2021-2022) - TOP Code 130500

| Outcome | MVC | Statewide | Performance Goal |
|---------------------------------------------|-------|-----------|------------------|
| Core 1: Postsecondary Retention & Placement | 97.1% | 94.6% | 92.0% |
| Core 2: Earned Postsecondary Credential | 90.9% | 87.7% | 89.6% |
| Core 4: Employment | 88.2% | 76.6% | 73.3% |

Source: CCCC CO 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 (2023-2025) 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 | 16,080 | \$40,541 |
| 39-9011 | Childcare Workers | 18,940 | \$37,356 |

Source: 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 |
|----------|----------------------------------------------|------------------------------------|-----------------------------------------------|---------------------------------------------|-------------------------------------------|----------------------------------|--------------------|
| 25-2011 | Preschool Teachers, Except Special Education | Associate's degree | 18.6% | 12.0% | 36.9% | 5,170 | \$38,870 |
| 39-9011 | Childcare Workers | High school diploma or equivalent | 24.1% | 11.1% | 17.3% | 7,060 | \$38,983 |

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

It is projected that between 2020-2030 there will be 12,230 Inland Empire job openings in the SOC codes associated with TOP code 130500. According to the Bureau of Labor Statistics, SOC code 25-2011: Preschool Teachers, Except Special Education typically requires an associate's degree; however, it is estimated that 37% of individuals in this category have a bachelor's degree. SOC Code 39-9011: Childcare Workers typically requires a high school diploma or equivalent. 24% of these workers have some college, no degree. 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 wages of \$38,870 and \$38,983 both occupations linked to TOP Code 130500 fall below the living wage for the region.

IV. Regional Completers

The table below shows the number of degrees and credit certificates awarded in TOP Code 130500 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. All of these colleges had credit program awards in this TOP Code in 2022-2023.

Inland Empire Community College Credit Program Awards 2022-2023 - TOP Code 130500

| | |
|---------------------------------------------------|------------|
| Total Credit Program Awards | 959 |
| Associate Degrees | 365 |
| Associate of Science (A.S.) degree | 121 |
| Associate in Science for Transfer (A.S.-T) Degree | 239 |
| Associate of Arts (A.A.) degree | 5 |
| Credit Certificates | 594 |
| Certificate requiring 30 to < 60 semester units | 106 |
| Certificate requiring 16 to < 30 semester units | 97 |
| Certificate requiring 6 to < 18 semester units | 391 |

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 between 2020 and 2030 for the SOC Codes corresponding to TOP Code 130500 is 12,230. Dividing that number by 10 produces an annual estimate of 1,223 openings. With 959 program completers for the year 2022-2023, there is an estimated net annual labor demand of 264.

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

| | |
|-------------------------------------|------------|
| Total Estimated Annual Job Openings | 1,223 |
| Program Completers (2022-2023) | 959 |
| Net Annual Labor Demand | 264 |

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.

| SOC Code | TOP Code |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 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