



Children with Special Needs TOP: 1305.20

September 2019

Prepared by the South Central Coast Center of Excellence for
Labor Market Research

Program Recommendation

This report was compiled by the South Central Coast¹ Center of Excellence to provide regional labor market data for the program recommendation – Children with Special Needs. This report can help determine whether there is demand in the local labor market that is not being met by the supply from programs of study (CCC and non-CCC) that align with this occupation group.

Key Findings

- In the South Central Coast region, **the number of jobs related to Children with Special Needs are expected to increase**, over the next five years, for Preschool Special Education Teachers.
- Preschool Special Education Teachers are expected to anticipate a **low risk of automation**.
- In 2017 there were 13 regional completions in programs related to the occupation identified as related to Children with Special Needs and 4 openings, indicating an **oversupply**.
- Typical entry-level education requires a **bachelor's degree** for Preschool Special Education Teachers.
- Completers of Children with Special Needs programs, **Statewide**, from the 2015-2016 academic year had a **median annual wage** upon completion of \$22,658.
- 73% of students are **employed within a year** after completing a program (**Statwide Data**).
- 41% of students are **earning a living wage** (**Statewide Data**).

¹ The South Central Coast Region consists of San Luis Obispo County, Santa Barbara County, Ventura County, and the following cities from North Los Angeles County: Canyon Country, Castaic, Lake Hughes, Lancaster, Littlerock, Llano, Newhall, Palmdale, Pearblossom, Santa Clarita, Stevenson Ranch, and Valencia.

Occupation Codes and Descriptions

Currently, there is one occupation in the standard occupational classification (SOC) system that was identified as related to Children with Special Needs for this analysis. The occupation title and description, as well as reported job titles are included in Exhibit 1.

Exhibit 1 – Occupation, description, and sample job titles

SOC Code	Title	Description	Sample of Reported Job Titles
25-2051	Special Education Teachers, Preschool	Teach preschool school subjects to educationally and physically handicapped students. Includes teachers who specialize and work with audibly and visually handicapped students and those who teach basic academic and life processes skills to the mentally impaired.	Early Childhood Special Education Teacher (ECSE Teacher), Early Intervention Teacher, Exceptional Student Education Teacher (ESE Teacher), Handicapped Teacher, Preschool Special Education Teacher, Resource Teacher, Severe/Profound Mental Handicaps Special Education Teacher, Special Education Resource Teacher, Special Education Teacher, Teacher

Source: O*NET Online

Current and Future Employment

In the South Central Coast region, the number of jobs related to Children with Special Needs are expected to increase, over the next five years, for Preschool Special Education Teachers. Exhibit 2 contains detailed employment projections data for this occupation.

Exhibit 2 – Five-year projections for Children with Special Needs in the South Central Coast region

SOC	Occupation	2018 Jobs	2023 Jobs	2018-2023 Change	2018-2023 % Change
25-2051	Special Education Teachers, Preschool	29	40	11	38%

Source: Economic Modeling Specialists International (EMSI)

Earnings

In the South Central Coast region, the average wage for the listed occupations is \$19.65 per hour.

Exhibit 3 contains hourly wages and annual average earnings for these occupations. Entry-level hourly earnings are represented by the 25th percentile of wages, median hourly earnings are represented by the 50th percentile of wages, and experienced hourly earnings are represented by the 75th percentile of wages, demonstrating various levels of employment.

Exhibit 3 – Earnings for Children with Special Needs in the South Central Coast region

SOC	Occupation	Entry-Level Hourly Earnings	Median Hourly Earnings	Experienced Hourly Earnings
25-2051	Special Education Teachers, Preschool	\$16.10	\$19.65	\$25.48

Source: Economic Modeling Specialists International (EMSI)

Employer Job Postings

In this research brief, real-time labor market information is used to provide a more nuanced view of the current job market, as it captures job advertisements for occupations relevant to the field of study. Employer job postings are consulted to understand who is employing special education teachers, and what they are looking for in potential candidates. To identify job postings related to Children with Special Needs, the following standard occupational classifications were used:

25-2051 Special Education Teachers, Preschool

Top Occupations

In 2018, there were 80 employer postings for occupations related to Children with Special Needs.

Exhibit 4 – Top occupations in job postings and risk of automation tables

SOC Code	Occupation	Job Postings, Full Year 2018
25-2051	Special Education Teachers, Preschool	80

Source: Labor Insight/Jobs (Burning Glass)

SOC Code	Occupation	Risk of Automation
25-2051	Special Education Teachers, Preschool	Low

Source: Labor Insight/Jobs (Burning Glass)

Top Titles

The top job titles for employers posting ads for jobs related Children with Special Needs are listed in Exhibit 5. Behavior Interventionist is mentioned as the job title in 54% of all relevant job postings (43 postings).

Exhibit 5 –Job titles

Title	Job Postings, Full Year 2018
Behavior Interventionist	43
Special Education Teacher	8
Special Needs	4
Assistant Special Education Teacher	3
Behavior Interventionist, Online	3
Instructor in Physical Education Pool	3

Source: Labor Insight/Jobs (Burning Glass)

Top Employers

Exhibit 6 lists the major employers hiring professionals in the Children with Special Needs field. The top employer posting job ads was Easterseals Southern California. The top worksite cities in the region for these occupations were Santa Clarita, Oxnard, Ventura, Lancaster and Simi Valley.

Exhibit 6 – Top employers (n=75)

Employer	Job Postings, Full Year 2018
Easterseals Southern California	23
Ventura County Community College District	4
Laurie Singer Behavioral Services	3
Sulphur Springs Union Elementary	3

Source: Labor Insight/Jobs (Burning Glass)

Skills

Psychology is the most sought after skill for employers hiring for jobs related to Children with Special Needs.

Exhibit 7 –Job skills (n=64)

Skills	Job Postings, Full Year 2018
Psychology	47
Developmental Disabilities	46
Autism Diagnosis / Treatment / Care	44
Applied Behavior Analysis	39
Treatment Planning	33
Early Childhood Education	29

Source: Labor Insight/Jobs (Burning Glass)

Industry Concentration

Exhibit 8 shows the industries with most Children with Special Needs postings in the South Central Coast region. Note: 54% of records have been excluded because they do not include an industry. As a result, the chart below may not be representative of the full sample.

Exhibit 8 – Industries employing the most in the Children with Special Needs field, 2018

Industry	Occupation Group Jobs in Industry	% of Occupation Group in Industry
Educational Services	17	46%
Health Care and Social Assistance	15	40%
Finance and Insurance	4	11%
Public Administration	1	3%

Source: Labor Insight/Jobs (Burning Glass)

Education and Training

Exhibit 9 shows the typical entry-level education requirement for the occupations of interest, along with the typical on-the-job training needed to attain competency in the occupation.

Exhibit 9 – Education and training requirements

SOC	Occupation	Typical entry-level education	Typical on-the-job training
25-2051	Special Education Teachers, Preschool	Bachelor's Degree	None

Source: Bureau of Labor Statistics Employment Projections (Educational Attainment)

Regional Completions and Openings

There were 13 regional completions (2017) and 4 regional openings (2017) in the South Central Coast region in programs related to the occupations identified as related to Children with Special Needs.

Exhibit 10 – Completions and Openings

2 Regional Institutions had Related Programs (2017)	13 Regional Completions (2017)	4 Annual Openings (2017)
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Source: Economic Modeling Specialists International (EMSI)

Related Programs

CIP Code	Program	Completions (2017)
13.1001	Special Education and Teaching, General	12
13.1015	Education/Teaching of Individuals in Early Childhood Special Education Programs	1

Source: Economic Modeling Specialists International (EMSI)

Student Outcomes

The CTE LaunchBoard provides student outcome data on the effectiveness of CTE programs. The following student outcome information was collected from exiters of the Children with Special Needs Program (TOP: 1305.20) in the South Central Coast region for the 2015-16 academic year.

- The median annual wage for students after exiting is \$22,658.
- 73% of students are employed within a year after completing a program.
- 41% of students are earning a living wage.
- Most Common middle-skills jobs for this program are:
 - Special Education Teachers, Preschool

Source: CTE LaunchBoard

Sources

O*Net Online, Labor Insight/Jobs (Burning Glass), Economic Modeling Specialists International (EMSI), MIT Living Wage Calculator, Bureau of Labor Statistics (BLS) Education Attainment, California Community Colleges Chancellor's Office Management Information Systems (MIS) Data Mart, CTE LaunchBoard, Statewide CTE Outcomes Survey, Employment Development Department Unemployment Insurance Dataset

Notes

Data included in this analysis represent the labor market demand for relevant positions most closely related to Children with Special Needs. Traditional labor market information was used to show current and projected employment based on data trends, as well as annual average awards granted by regional community colleges. Real-time labor market information captures job post advertisements for occupations relevant to the field of study and can signal demand and show what employers are looking for in potential employees, but is not a perfect measure of the quantity of open positions. All representations have been produced from primary research and/or secondary review of publicly and/or privately available data and/or research reports. The most recent data available at the time of the analysis was examined; however, data sets are updated regularly and may not be consistent with previous reports. Efforts have been made to qualify and validate the accuracy of the data and findings; however, neither the Centers of Excellence for Labor Market Research (COE), COE host district, nor California Community Colleges Chancellor's Office are responsible for the applications or decisions made by individuals and/or organizations based on this study or its recommendations.