



Emergency Medical Services (TOP 1250.00)

January 2022

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 – Emergency Medical Services. This report can help determine whether demand in the local labor market 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 Emergency Medical Services are expected to **increase** for Emergency Medical Technicians and Paramedics.
- Emergency Medical Services is anticipated to experience **a low risk of automation** for Emergency Medical Technicians and Paramedics.
- In 2020 there were 323 regional completions in programs related to the occupations identified as related to Emergency Medical Services and 83 openings, indicating an **oversupply**.
- Typical entry-level education is a **postsecondary nondegree award**.
- Completers of Emergency Medical Services programs from the 2018-2019 academic year in the South Central Coast region had a **median annual wage upon completion of \$30,616**.
- 77% of students are **employed within a year** after completing a program.
- 34% of students **attained a living wage** within a year of completion.
- Completers experienced an average of **+20%** change in earnings after exiting.
- 75% of students were **part-time**, 11% **skill builders**, 37% **first-generation**, and 76% **economically disadvantaged**.

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

There is one occupation in the standard occupational classification (SOC) system that was identified as related to Emergency Medical Services 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
29-2041	Emergency Medical Technicians and Paramedics	Assess injuries and illnesses and administer basic emergency medical care. May transport injured or sick persons to medical facilities.	--

Source: O*NET Online

Current and Future Employment

In the South Central Coast region, the number of jobs related to Emergency Medical Services are expected to increase for Emergency Medical Technicians and Paramedics.

Exhibit 2 – Five-year projections for Emergency Medical Services in the South Central Coast region

SOC	Occupation	2020 Jobs	2025 Jobs	2020-2025 Change	2020-2025 % Change
29-2041	Emergency Medical Technicians and Paramedics	836	937	101	12%

Source: Economic Modeling Specialists International (EMSI)

Earnings

In the South Central Coast region, the average wage for the listed occupation is \$21.53 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 Emergency Medical Services in the South Central Coast region

SOC	Occupation	Entry-Level Hourly Earnings	Median Hourly Earnings	Experienced Hourly Earnings
29-2041	Emergency Medical Technicians and Paramedics	\$16.58	\$21.53	\$27.87

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 looking for Emergency Medical Technicians and Paramedics, and what they are looking for in potential candidates. To identify job postings related to Emergency Medical Services the following standard occupational classification was used:

29-2041 Emergency Medical Technicians and Paramedics

Top Occupations

In 2019, there were 160 employer postings for the occupations related to Emergency Medical Services.

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

SOC Code	Occupation	Job Postings, Full Year 2019
29-2041	Emergency Medical Technicians	160

Source: Labor Insight/Jobs (Burning Glass)

SOC Code	Occupation	Risk of Automation
29-2041	Emergency Medical Technicians	Low

Source: Labor Insight/Jobs (Burning Glass)

Top Titles

The top job titles for employers posting ads for jobs related to Emergency Medical Services are listed in Exhibit 5. Paramedic Basic is mentioned as the job title in 14% of all relevant job postings (22 postings).

Exhibit 5 –Job Titles

Title	Job Postings, Full Year 2019
Paramedic Basic	22
Paramedic Basic IN	17
EMT Basic IN	10
EMT	7
EMT Basic	7

Source: Labor Insight/Jobs (Burning Glass)

Top Employers

Exhibit 6 lists the major employers hiring professionals in the Emergency Medical Services field. The top employer posting job ads was American Medical Response. The top worksite cities in the region for these occupations were Santa Clarita, Lancaster, San Luis Obispo, Ventura, and Santa Maria.

Exhibit 6 – Top Employers (n=150)

Employer	Job Postings, Full Year 2019
American Medical Response	56
Emergency Medical Services Authority	11
United States Census Bureau	11
Community Memorial Health System	10
Dignity Health	10

Source: Labor Insight/Jobs (Burning Glass)

Skills

Patient Care is the most sought-after skill for employers hiring for jobs related to Emergency Medical Services.

Exhibit 7 –Job Skills (n=133)

Skills	Job Postings, Full Year 2019
Patient Care	94
Cardiopulmonary Resuscitation (CPR)	91
Hoisting Equipment	67
Advanced Cardiac Life Support (ACLS)	65
Information Systems	58
Motor Vehicle Operation	58
Patient Interviewing	58

Source: Labor Insight/Jobs (Burning Glass)

Industry Concentration

Exhibit 8 shows the industries with the most Emergency Medical Services postings in the South Central Coast. Note: 6% 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 Emergency Medical Services field, 2019

Industry	Occupation Group Jobs in Industry	% of Occupation Group in Industry
Health Care and Social Assistance	116	76.8%
Public Administration	12	7.9%
Transportation and Warehousing	11	7.3%
Educational Services	8	5.3%
Administrative and Support and Waste Management and Remediation Services	2	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
29-2041	Emergency Medical Technicians	Postsecondary Nondegree Award	None

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

Regional Completions and Openings

There were 323 regional completions (2020) and 83 regional openings (2020) in the South Central Coast region in programs related to the occupations identified as related to Emergency Medical Services.

Exhibit 10 – Completions and Openings

8 Regional Institutions had Related Programs (2020)	323 Regional Completions (2020)	100 Annual Openings (2020)
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Source: Economic Modeling Specialists International (EMSI)

Related Programs

CIP Code	Program	Completions (2020)
51.0904	Emergency Medical Technology/Technician (EMT Paramedic)	323

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 Emergency Medical Services Program (TOP: 1250.00) in the South Central Coast region for the 2018-19 academic year.

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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 Emergency Medical Services. 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.