

Program Review Summary Page
For Instructional Programs

Program or Area(s) of Study under Review: Emergency Medical Services (EMS)

Term/Year of Review: Fall 2019

Summary of Program Review:

A. Major Findings

1. Strengths:

We put out a quality product in the students that complete the EMS courses. Diverse Instructional Cadre with student success drive.

2. Areas for Improvement:

We need to do a better job at marketing our EMS program.

3. Projected Program Growth, Stability, or Viability:

The EMS Program should see some minor growth and will remain sustainable and continue to focus on student success and the Industry Partners needs.

B. New Objectives/Goals:

To continue to live up to our program goal:

EMS Program Goal:

to value and respect the diversity of our students and faculty based on mutual respect and appreciation for the diversity of life and work experiences that each student brings to the learning environment. To

This report covers the following program, degrees, certificates, area(s) of study, and courses (based on the Taxonomy of Programs on file with the Office of Academic Affairs):

Program	EMS	
Area of Study	EMT	Paramedic
Degrees / Certificates		EMT-P: AS EMT-P: CoA
Courses	EMT 90	EMT 310
	EMT 95	EMT 311

Taxonomy of Programs, July 2019

I. PROGRAM DATA

A. Demand

1. Headcount and Enrollment

RPIE Analysis: The number of students enrolled (headcount) in the Emergency Medical Services Program decreased by 9.3%, while headcount across the institution decreased by 8.4%. Similarly, enrollment within the program decreased by 8.8%, while enrollment across the institution decreased by 10.9%.

Enrollment in the following courses changed by more than 10% ($\pm 10\%$) between 2016-2017 and 2018-2019:

Course with enrollment increase:

- o EMT-311 (37.5%)*

Courses with enrollment decreases:

- o EMT-95 (-16%)*
- o EMT-90 (-10.6%)*

Enrollment in the following Areas of Study changed by more than 10% ($\pm 10\%$):

Area of Study with enrollment increase:

- o Paramedic (13.2%)*

Area of Study with enrollment decrease:

- o EMT (-12.6%)*

Program Reflection:
EMT-

increased by 1.2% over the same period.

Average class size in the following courses changed by more than 10% ($\pm 10\%$) between 2016-2017 and 2018-2019:

Course with increase in average class size:

- o EMT-311 (37.5%)*

Courses with decreases in average class size:

- o EMT-95 (-16%)*
- o EMT-90 (-10.6%)*

Average class size across the following Areas of Study changed by more than 10% ($\pm 10\%$) between 2016-2017 and 2018-2019:

Area of Study with increase in average class size:

- o Paramedic 13.2%)*

Area of Study with decrease in average section size:

- o EMT (-12.6%)*

RPIE Analysis: Fill rates within the Emergency Medical Services Program tend to be higher than fill rates at the institutional level. [Compare program-level rate of 82% to institution-level rate of 80.3% over the past three years.] Between 2016-2017 and 2017-2018, enrollments decreased at a higher rate than capacity, resulting in a decrease in fill rate. Between 2017-2018 and 2018-2019, capacity decreased at a higher rate than enrollments, resulting in an increase in fill rate.

Productivity decreased from 7.9 to 6.5 over the three-year period. The three-year program productivity of 7.9 is lower than the target level of 17.5, which reflects 1 FTEF accounting for 17.5 FTES across the academic year. (This target reflects 525 weekly student contact hours for one full-time student across the academic year.) Productivity has not been calculated at the institutional level.

**Note: Fill rates and productivity reported in the table do not include 6 Emergency Medical Services course sections offered during summer terms over the past three years. As a result, the enrollment figures reported here might differ from those reported in Section I.A.1.*

Program Reflection:

The EMS program has been able to fill our courses and are still remaining healthy with our numbers of enrollment. As a program we would like to see the numbers for EMT-90 & EMT-95 increase and maintain 30 and 40 students in each course respectively.

EMT-310 is capped at 24 cadets directly due to California Title 22 for Paramedic Training Programs with the regulations on Clinical/Internship placements. We are required, per Title 22, to place our Paramedic Interns into clinical placement 30 days after completion of Didactic (EMT-310) and into an Internship within 90 days of completion of Clinicals.

We have been able to place the 20-24 students in an EMT-311 course with our industry partners within the time frame dictated by Title 22. Paramedic programs around the region have seen difficulty in placing interns into industry due to new employee hiring process to fill retirements and the increased workload that the EMS/Fire Industry has felt from out-of-county strike team deployments for the fire season.

4. Labor Market Demand

Economic Development Department Standard Occupational Classification Description (Code): Emergency Medical Technicians and Paramedics (29-2041)	Numeric Change in Employment	Projected Growth (% Change in Employment)	Average Annual Job Openings (New Jobs + Replacement Needs)
Napa County (2016-2026)	Not Reported	Not Reported	Not Reported
Bay Area ^A (2016-2026)	930	24.2%	348

California (2016-2026)	3,570	20.7%	1,473
<i>Source: Economic Development Department Labor Market Information, Occupational Data, Occupational Projections (http://www.labormarketinfo.edd.ca.gov/) ^ABay Area counties include: Alameda, Contra Costa, San Francisco, San Mateo, Santa Clara, Solano, and Sonoma. Figures also include San Benito County (reported with projections for Santa Clara County). Data not available for Napa and Marin counties for SOC 29-2041.</i>			

RPIE Analysis: For the Bay Area, the Economic Development Department projects an increase of 930 positions for Emergency Medical Technicians and Paramedics by 2026 (compared to 2016). This increase in positions translates into a 24.2% growth rate for the industry within the Bay Area (2016-2026), which exceeds the projected growth in California (for 2016 through 2026). Approximately 348 openings for Emergency Medical Technicians and Paramedics are projected each year in the Bay Area (through 2026).

Program Reflection:

We are aware that the Industry is in need of increased workforce even here within Napa County. One of the driving factors that we are seeing that is keeping the industry demand high is retirements. Local fire departments are seeing a higher rate of retirement and with this comes advancement in the ranks and the need to hire more qualified personnel. This in turn draws employees out of the private sector for the public sector jobs and creating a need.

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Program Level	89.5%	71.5%
Institutional Level	89.8%	75.1%
<p><i>Source: SQL Enrollment Files</i></p> <p>-- Indicates a value that is within 1% of the program level value.</p> <p>denote a statistically significant difference between the course-level rate and the program-level rate.</p> <p>Bold denotes a statistically significant difference between the program-level rate and the institutional rate.</p>		

RPIE Analysis: Over the past three years, the retention rate for the Emergency Medical Services Program mirrored the institutional level. The retention rate in EMT-95 was significantly lower than the program-level rate. ~~Other Emergency Medical Services courses (highlighted in the table) and the Paramedic Area of prog~~

patient assessment and general medical/trauma assessment techniques.

3. Retention and Successful Course Completion Rates by Delivery Mode (of Courses Taught through Multiple Delivery Modes, i.e., In-Person, Hybrid, and Online)

This section does not apply to the Emergency Medical Services Program, as

of certificates conferred by the institution increased by 16.8% (and decreased by 11.3% between 2017-2018 and 2018-2019).

EMT	90	08/11/2008	No	S Spring 2020
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III. LEARNING OUTCOMES ASSESSMENT

A. Status of Learning Outcomes Assessment

Learning Outcomes Assessment at the Course Level

Number of Courses	Number of Courses with Outcomes Assessed		Proportion of Courses with Outcomes Assessed	
	Over Last 4 Years	Over Last 6 Years	Over Last 4 Years	Over Last 6 Years
4	4	4	100%	100%

Learning Outcomes Assessment at the Program/Degree/Certificate Level

Degree/Certificate	Number of Outcomes*	Number of Outcomes Assessed		Proportion of Outcomes Assessed	
		Over Last 4 Years	Over Last 6 Years	Over Last 4 Years	Over Last 6 Years

IV. PROGRAM PLAN

Based on the information included in this document, the program is described as being in a state of:

- Viability
- Stability
- Growth

*Please select ONE of the above.

This evaluation of the state of the program is supported by the following parts of this report:

(Identify key sections of the report that describe the state of the program. Not an exhaustive list, and not a repeat of the report. Just key points.)

Complete the table below to outline a three-year plan for the program, within the context of the current state of the program.

Program: EMT/Paramedic
 Plan Years: 2019/20 2021/22

Strategic Initiatives Emerging from Program Review	Relevant Section(s) of Report	Implementation Timeline: Activity/Activities & Date(s)	Measure(s) of Progress or Effectiveness
Continue to meet or exceed our Accreditation Agency Standards	C-1	Ongoing	Accreditation

Describe the current state of program resources relative to the plan outlined above. (Resources include:

will need to be able to replace it to keep the overall EMS Program viable.

V. PROGRAM HIGHLIGHTS

A. Recent Improvements

Through a generous ambulance donation from American Medical Response, the program is better equipped to simulate real world experiences with our stud

Operating Budget	
Professional Development/ Training	
Library & Learning Materials	