

INSTRUCTIONAL ANNUAL PROGRAM PLANNING WORKSHEET FOR 2017-2018

CURRENT YEAR: 2016-2017

CLUSTER: MATH & SCIENCES

NEXT SCHEDULED CPPR: 2017-2018

PROGRAM: EMERGENCY MEDICAL SERVICES

LAST YEAR CPPR COMPLETED: 2013-2014

CURRENT DATE: 3/1/2017

The Annual Program Planning Worksheet (APPW) is the process for:

- reviewing, analyzing and assessing programs on an annual basis
- documenting relevant program changes, trends, and plans for the upcoming year
- identifying program needs, if any, that will become part of the program's resource plan
- highlighting specific program accomplishments and updates since last year's APPW
- tracking progress on a Program Sustainability Plan if established previously.

This APPW encompasses the following degrees and/or certificates:

A.S. Paramedic, C.A. Paramedic, C.S. Emergency Medical Technician, C.S. Emergency Medical Technician Refresher

GENERAL PROGRAM UPDATE

Describe significant changes, if any, to program mission, purpose or direction. *If there are not any, indicate: NONE.*

NONE

PROGRAM SUSTAINABILITY PLAN UPDATE

Was a Program Sustainability Plan established in your program's most recent Comprehensive Program Plan and Review?

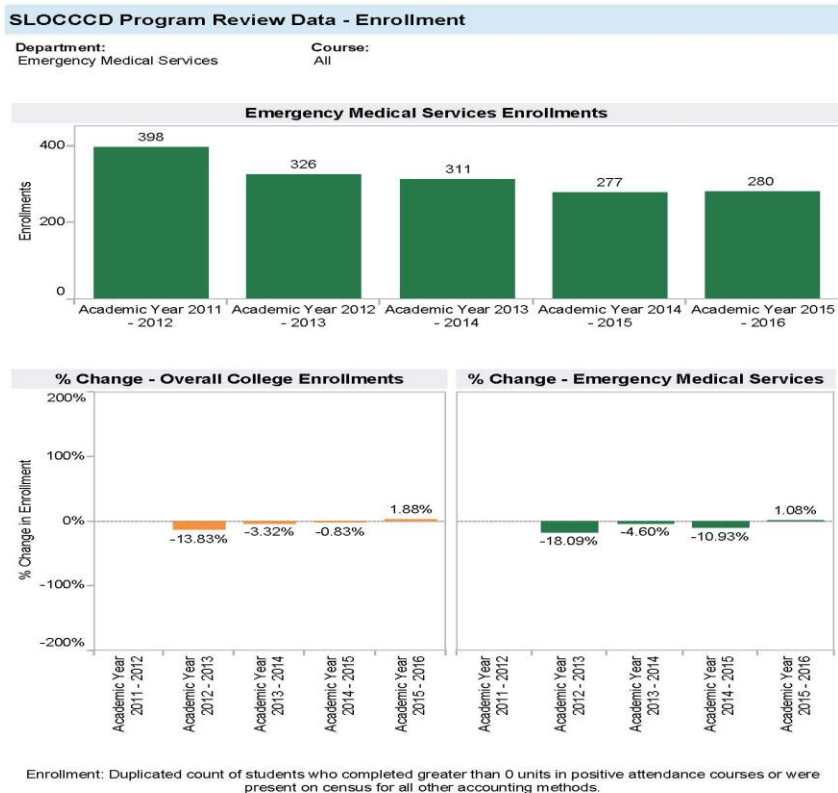
Yes ☐ If yes, please complete the Program Sustainability Plan Progress Report below.

No ☒ If no, you do not need to complete a Progress Report.

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DATA ANALYSIS AND PROGRAM-SPECIFIC MEASUREMENTS

A. Enrollment



This APPW will focus on the data presented above and provide current academic year insight but note that the previous APPW for Cuesta EMS programs (2015-2016) contains pertinent, historical data with each program broken out as a subset to address the uniqueness each course/program presents.

Academic year 2015-2016 saw a slight increase in enrollment (over the previous academic years) that we anticipate would continue.

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B. Fill Rate

SLOCCCD Program Review Data - Student Demand (Fill Rate) Disaggregated

Department:
Emergency Medical Services

Course:
All

Region:
All

Disaggregate by:
None

Legend:
■



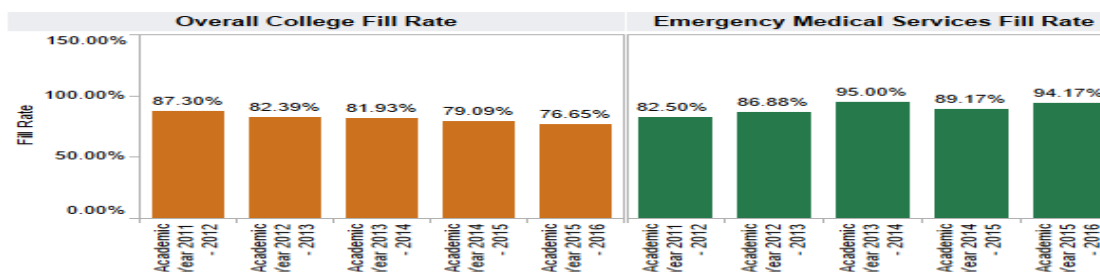
Fill Rate: The ratio of enrollments to class limits. Cross listed class limits are adjusted appropriately. Also, courses with zero class limits are excluded from this measure.

See below for EMS course data broken out between programs. Only Paramedic Internship and Paramedic Prep Course are taught over the summer and is directly tied to current Paramedic Program enrollment.

SLOCCCD Program Review Data - Student Demand (Fill Rate)

Department:
Emergency Medical Services

Course:
EMS 201



Fill Rate: The ratio of enrollments to class limits. Cross listed class limits are adjusted appropriately. Also, courses with zero class limits are excluded from this measure.

Our EMT course fill rates (offered in both the fall and spring semesters with a section on SLO and NC campuses) continues to see above-district fill rates and continues to reflect the steady and

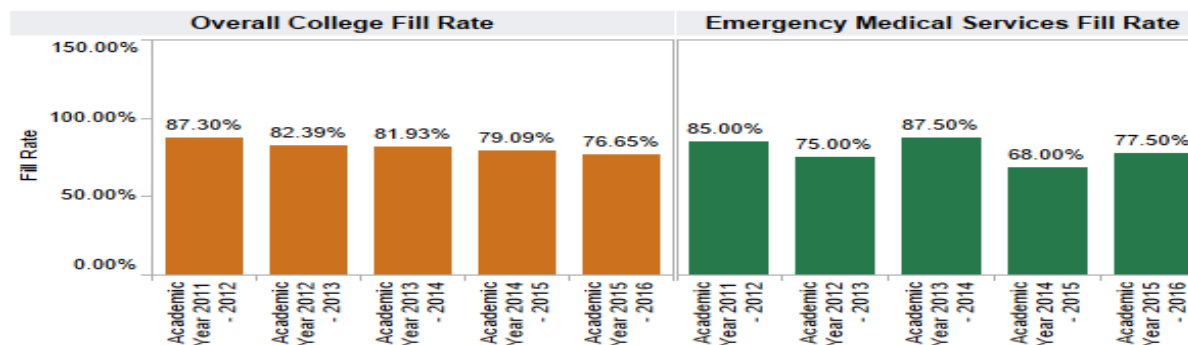
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growing needs of our community when it comes to the job market for EMTs. *Our EMT (EMS 201) courses in 2014-2015 had a decline in enrollment that we believe to be a direct result of our extended fire season in California. Since that time both EMS 201 course sections have started at capacity.*

SLOCCCD Program Review Data - Student Demand (Fill Rate)

Department:
Emergency Medical Services

Course:
Multiple values



Fill Rate: The ratio of enrollments to class limits. Cross listed class limits are adjusted appropriately. Also, courses with zero class limits are excluded from this measure.

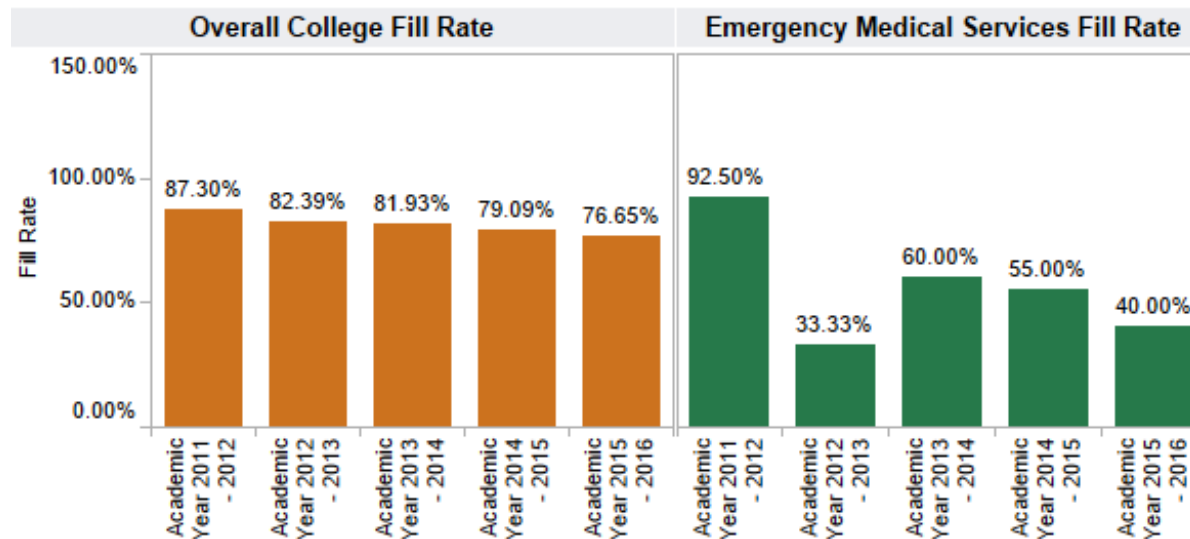
The above is our EMT Refresher course (EMS 102) that is tied (by CA Title 22 regulations) to our EMT (EMS 201) Course. The every other year drop/increase in fill-rate is directly attributable to the certification expiration dates of those students who recertify their EMT certification every 2 years. This is a predictable, consistent and accepted trend in enrollment and fill rates for EMS 102.

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SLOCCCD Program Review Data - Student Demand (Fill Rate)

Department:
Emergency Medical Services

Course:
EMS 103



Fill Rate: The ratio of enrollments to class limits. Cross listed class limits are adjusted appropriately. Also, courses with zero class limits are excluded from this measure.

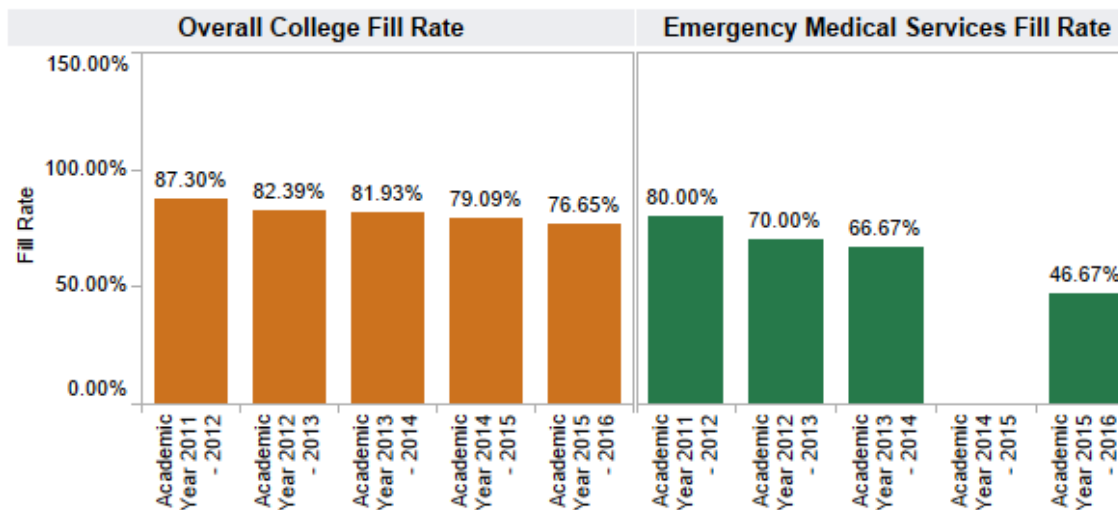
Our Hazmat course continued to have low (less than 50% enrollment) and the decision was made in the 2015-2016 academic year to discontinue the course in an effort to increase our overall efficiency across EMS programs. Our EMS Advisory Committee was consulted prior to the discontinuance and it was agreed that the course offering no longer met an identified need of the community.

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SLOCCCD Program Review Data - Student Demand (Fill Rate)

Department:
Emergency Medical Services

Course:
Multiple values



Fill Rate: The ratio of enrollments to class limits. Cross listed class limits are adjusted appropriately.
Also, courses with zero class limits are excluded from this measure.

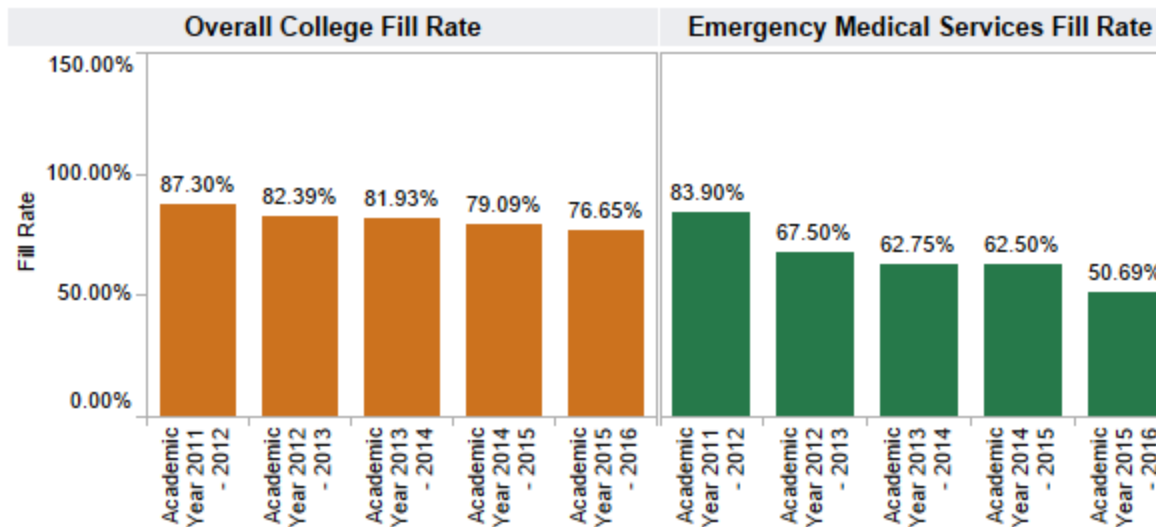
Above is the Fill Rate for our Paramedic Prep Course. This course is offered in the summer session and is geared towards those students entering the program the following fall semester. We did not offer the course in the 2014-2015 academic year and the 2015-2016 course offering was attended by 16/20 students entering the fall 2016 Paramedic program (Class 11).

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SLOCCCD Program Review Data - Student Demand (Fill Rate)

Department:
Emergency Medical Services

Course:
Multiple values



Fill Rate: The ratio of enrollments to class limits. Cross listed class limits are adjusted appropriately. Also, courses with zero class limits are excluded from this measure.

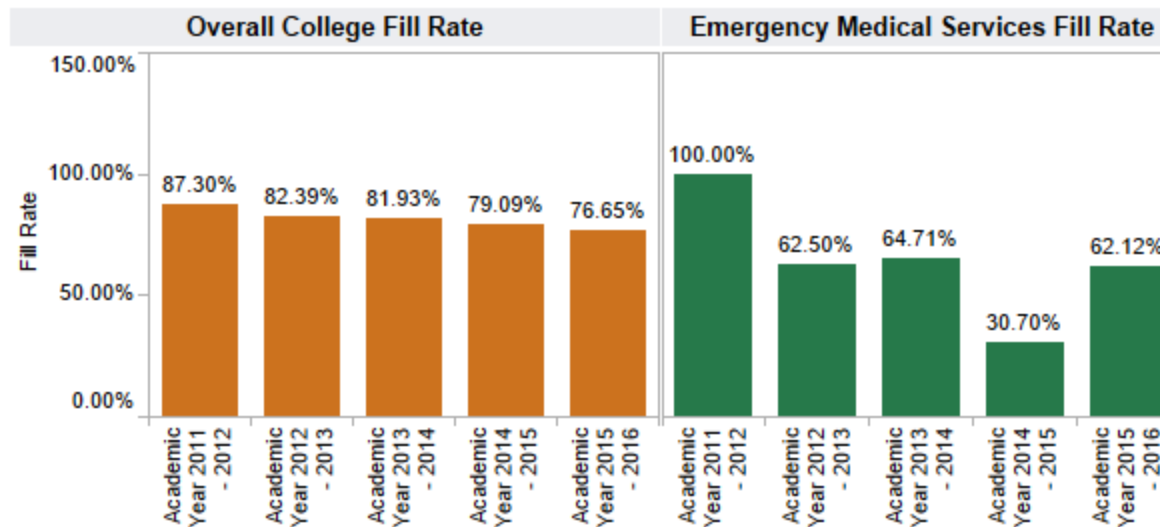
Our Paramedic Program started fall of 2016 with 20 students and as of this time, we still have a class of 20. We attribute the increase in fill rate/enrollment to aggressive recruitment as well as a neighboring county program closing prior to the 2015-2016 school year starting. We expect this trend upward to continue.

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SLOCCCD Program Review Data - Student Demand (Fill Rate)

Department:
Emergency Medical Services

Course:
Multiple values



Fill Rate: The ratio of enrollments to class limits. Cross listed class limits are adjusted appropriately.
Also, courses with zero class limits are excluded from this measure.

The above fill rates are for our community focused certification courses (Advanced Cardiac Life Support (107A), Pediatric Advanced Life Support (EMS 107B) and Prehospital Trauma Life Support (EMS 107C), designed for our currently certified/licensed healthcare providers for their continuing education. We have had multiple changes to the timing of these courses to try and capture the maximum number of participants and current trends are upward which we anticipate will continue.

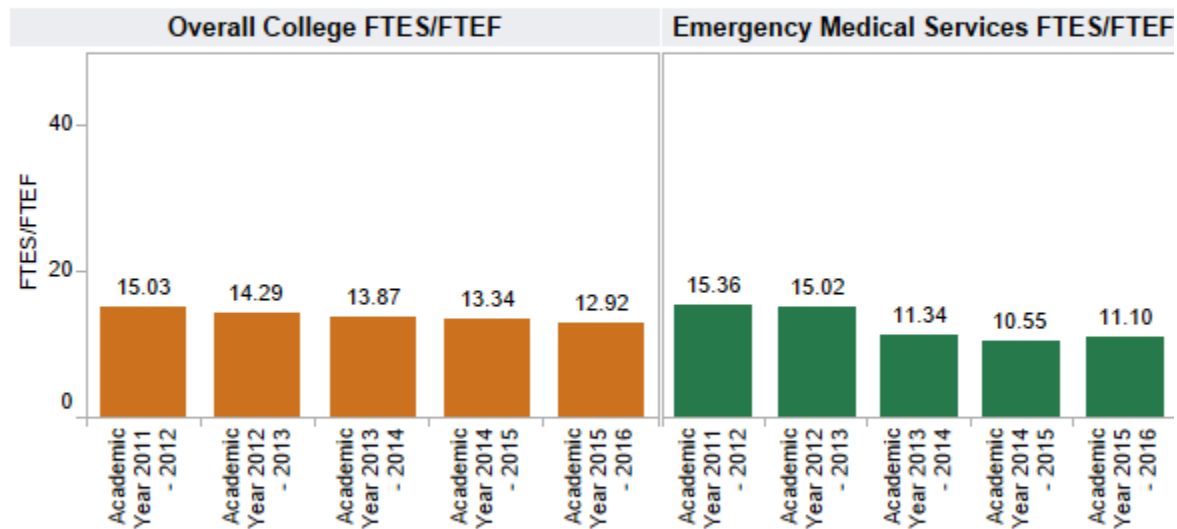
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C. General Efficiency

SLOCCCD Program Review Data - Efficiency (FTES/FTEF)

Department:
Emergency Medical Services

Course:
All



FTES/FTEF: The ratio of total FTES to Full-Time Equivalent Faculty
(SXD4 Total-Hours/17.5)/XE03 FACULTY-ASSIGNMENT-FTE)

The above reflects all EMS programs and we have seen a slight increase in efficiency in the 2015-2016 academic year. We are confident this trend will continue to increase in 2017-2018 with the discontinuance of EMS 103 (HAZMAT), continued high enrollment/fill rates of EMS 201 (which also has had low attrition), and an increase in efficiency within the Paramedic program with increased enrollment.

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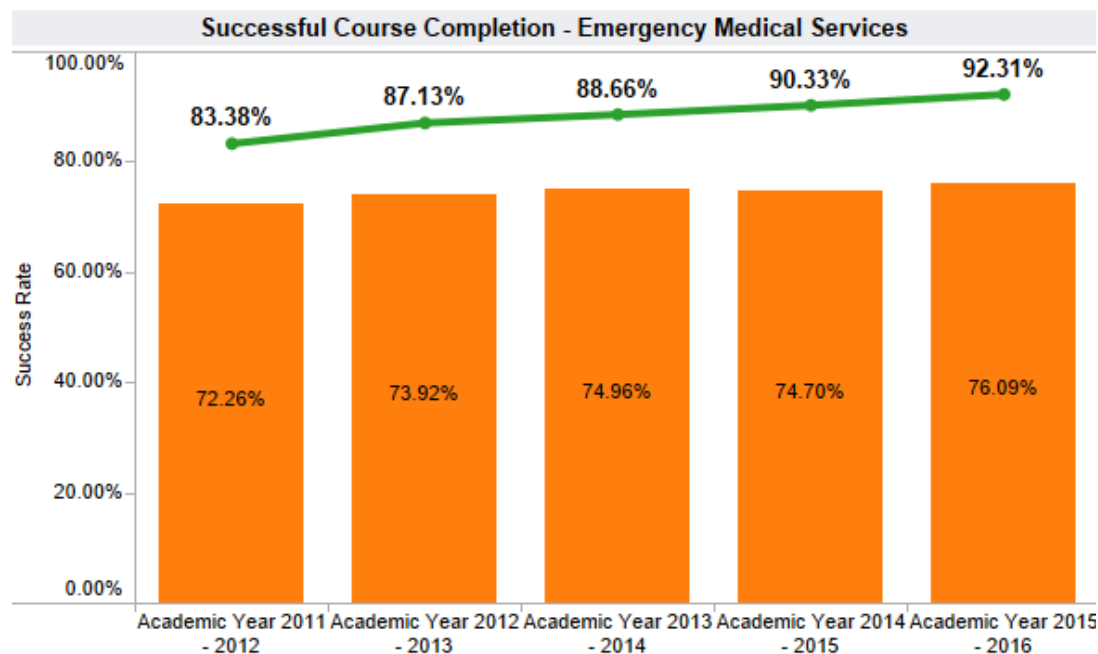
D. General Student Success – Course Completion

SLOCCCD Program Review Data: Successful Course Completion

Select Department:
Emergency Medical Services

COURSE
All

Legend:
■ Department Success Rate
■ Overall College Success Rate



Emergency Medical Services Success Rate Table

	Academic Year 2011 - 2012	Academic Year 2012 - 2013	Academic Year 2013 - 2014	Academic Year 2014 - 2015	Academic Year 2015 - 2016
Department Success..	83.38%	87.13%	88.66%	90.33%	92.31%
Total Enrollments	367	303	291	269	273

Success: The Percentage of student enrollments resulting in a final grade of "C" or better

We continue to see an overall increase in student success across all EMS programs. We have seen less attrition due to academics across all programs and attribute the positive change to having a F/T

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faculty position and a consistently strong P/T faculty base over the last several years.

Our Paramedic Program had a curriculum change in 2014-2015 that has shown to improve student success as we now have had 2 student cohorts complete the portion of the program that previously experienced high attrition. We have only lost 1 student due to academics since the curriculum change.

We anticipate continued high success rates in our EMS programs. We anticipate changes to Title 22 that will affect all EMS programs. These changes include increased course hours for EMT, additional curriculum and skills for EMT and EMT Refresher and additional curriculum for Paramedic. We will have 1 year from the time the changes are codified to implement the changes. We anticipate reporting any impact on success rates related to these changes in the 2018-2019 APPW report.

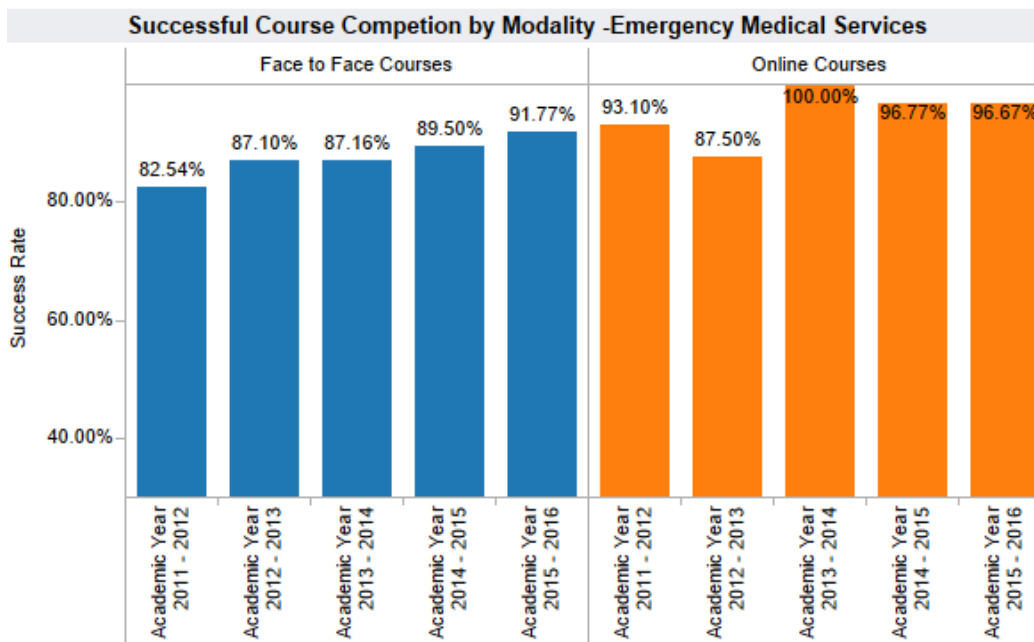
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E. Student Success – Course Modality

SLOCCCD Program Review Data: Successful Course Completion

Select Department:
Emergency Medical Services

Legend:
■ Face to Face Courses
■ Online Courses



Successful Course Completion by Modality Table - Emergency Medical Services						
		Academic Year 2011 - 2012	Academic Year 2012 - 2013	Academic Year 2013 - 2014	Academic Year 2014 - 2015	Academic Year 2015 - 2016
Face to Face Courses	Department Success Rate	82.54%	87.10%	87.16%	89.50%	91.77%
	Total Department Enrollments	338.0	279.0	257.0	238.0	243.0
Online Courses	Department Success Rate	93.10%	87.50%	100.00%	96.77%	96.67%
	Total Department Enrollments	29.0	24.0	34.0	31.0	30.0

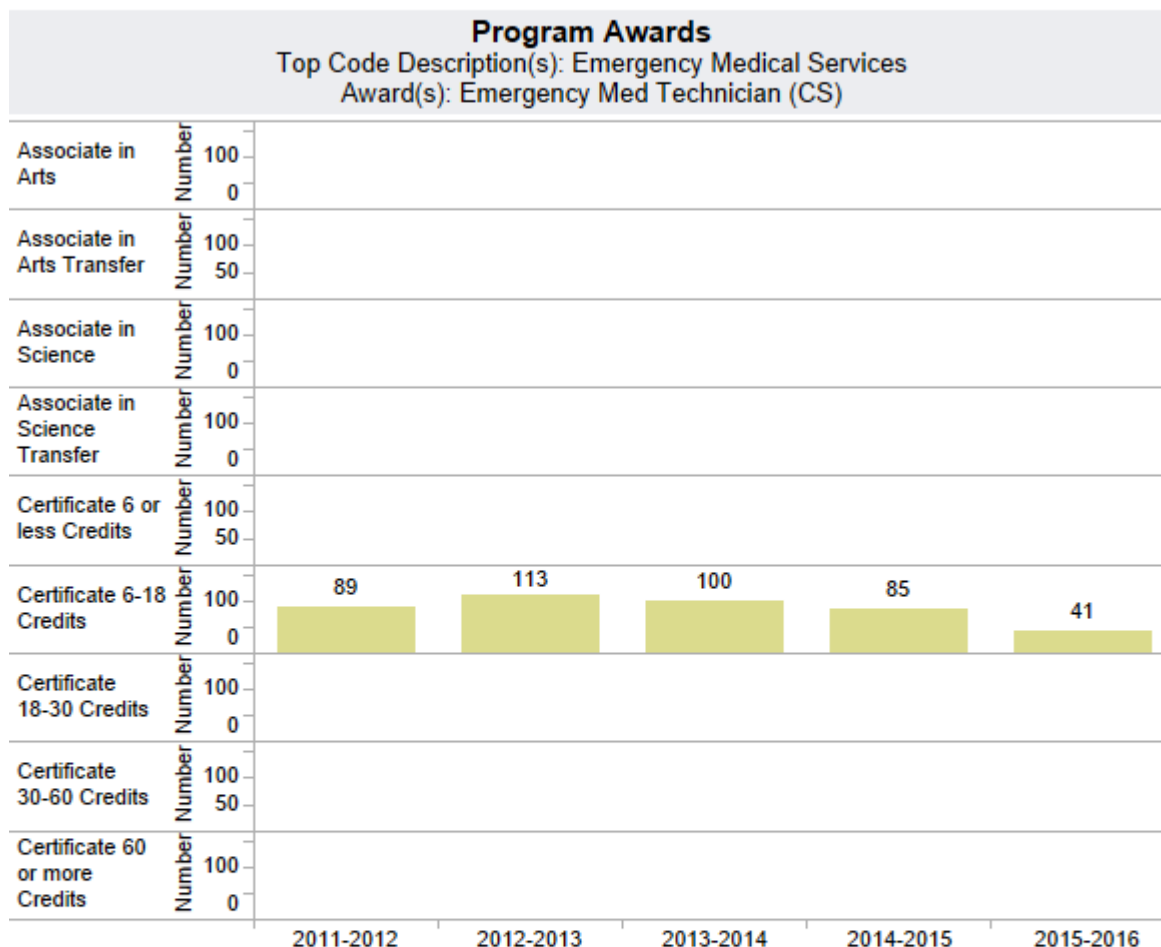
We see high success rates in all EMS programs regardless of modality. We do not have courses that offered in both face-to-face and distance education modalities for direct comparison but have seen an increase in student success across both modalities as we have stability in our teaching staff. We do not feel the need for any change due to the positive upward trend.

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F. Degrees and Certificates Awarded (Insert Data Chart)

SLOCCCD Program Review Data: Degrees and Certificates Awarded

Program: Emergency Medical Services Award Type: Emergency Med Technician (..



Program Awards Table

Award Type	Award	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
Certificate 6-18 Credits	Emergency Med Technician (..	89	113	100	85	41
	Total	89	113	100	85	41
Grand Total		89	113	100	85	41

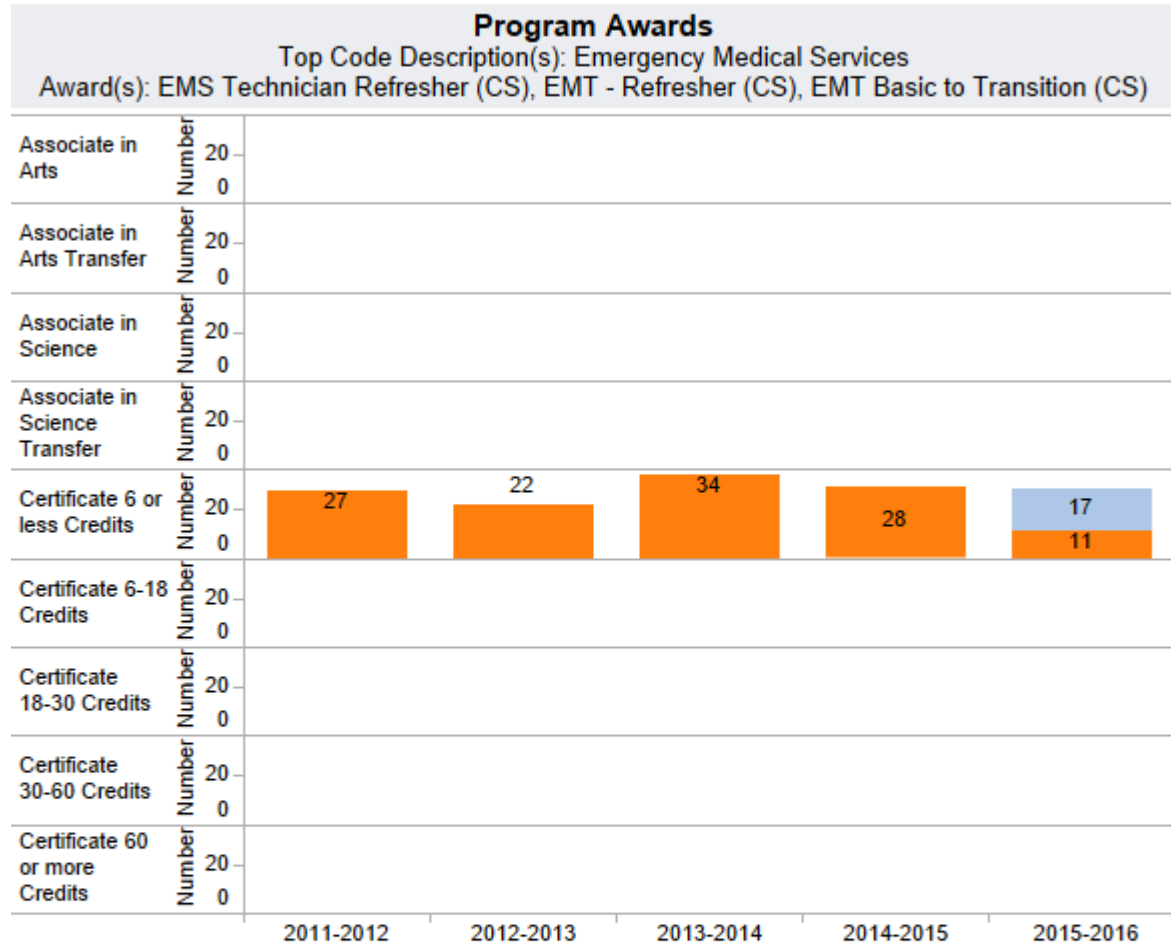
Program Awards: The number of degrees and certificates awarded by program type

The actual number of EMS Certificates awarded for successful completion of the EMT (EMS 201) course as reported to our local EMSA was 98 for the 2015-2016 academic year (46-fall and 52-spring).

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SLOCCCD Program Review Data: Degrees and Certificates Awarded

Program: Emergency Medical Services
Award Type: Multiple values



Program Awards Table						
Award T..	Award	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
Certificate 6 or less Credits	EMS Technician Refresher (C..					17
	EMT - Refresher (CS)	27	22	34	28	11
	EMT Basic to Transition (CS)				1	
	Total	27	22	34	29	28
Grand Total		27	22	34	29	28

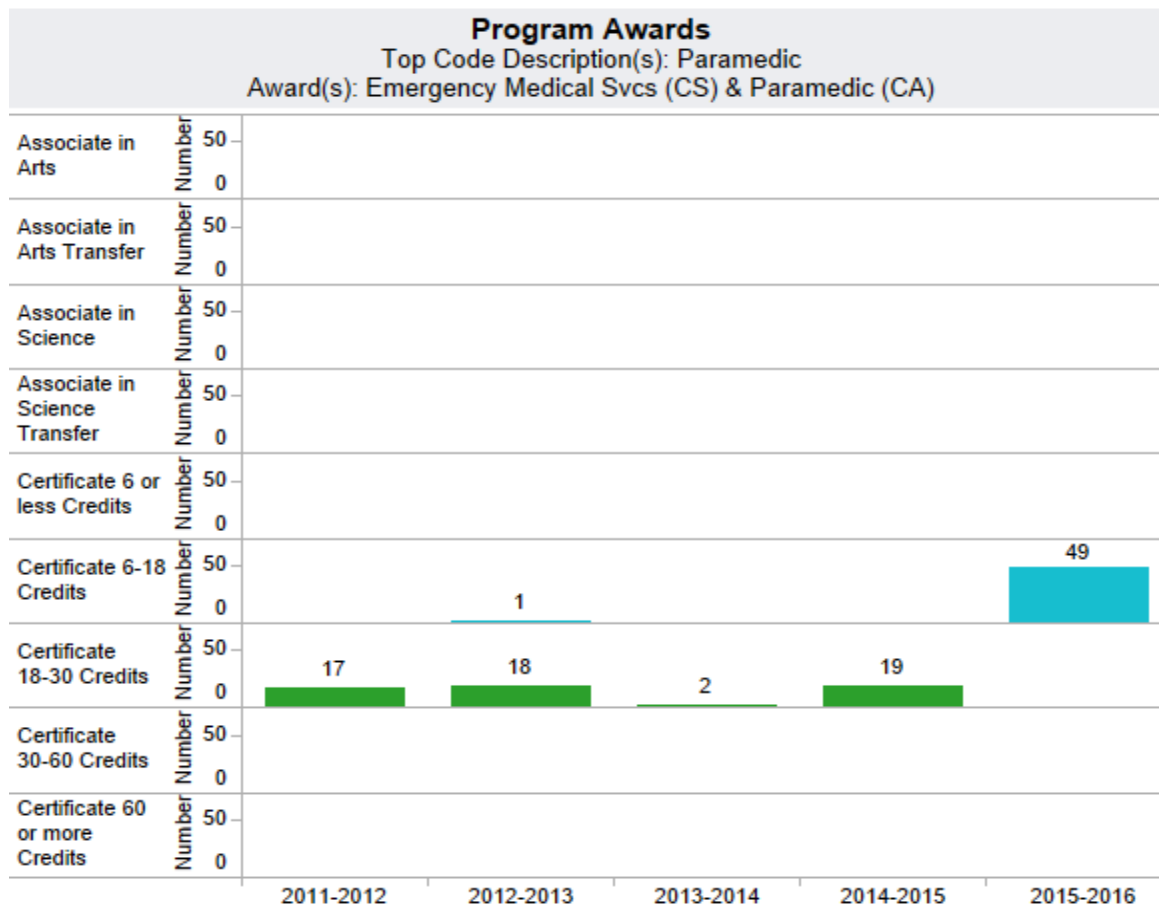
Program Awards: The number of degree and certificates awarded by program type

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SLOCCCD Program Review Data: Degrees and Certificates Awarded

Program:
Paramedic

Award Type:
Multiple values



Program Awards Table		2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
Award T..	Award					
Certificate 6-18 Credits	Emergency Medical Svcs (CS)		1			49
	Total		1			49
Certificate 18-30 Credits	Paramedic (CA)	17	18	2	19	
	Total	17	18	2	19	
Grand Total		17	19	2	19	49

Program Awards: The number of degrees and certificates awarded by program type

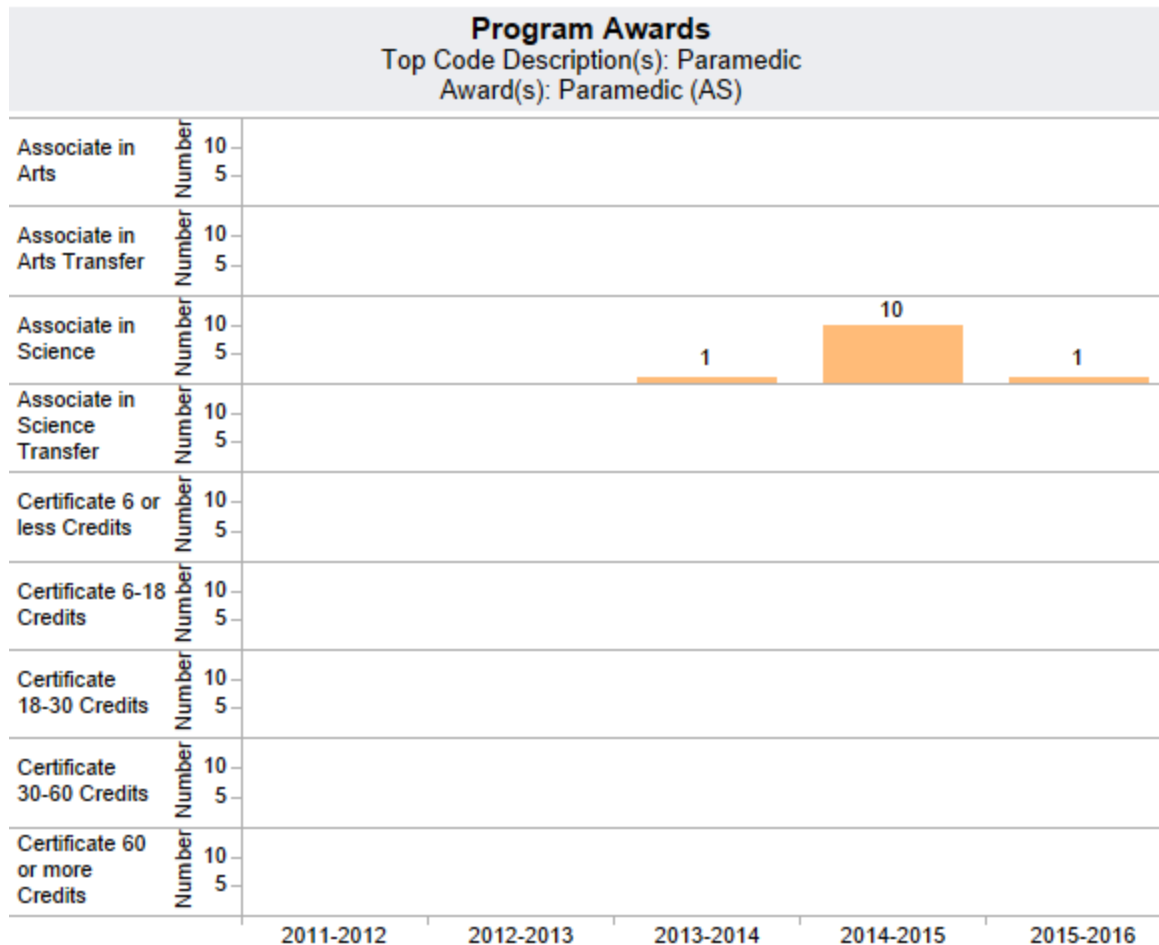
It appears that the number reflected above may include some of our missing EMS 201 certificates from the previous chart. We actually had 9 Paramedic Certificates awarded for the 2015-2016 (Class 10) academic year with 1 student withdrawing prior to program completion and 1 student still in progress.

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SLOCCCD Program Review Data: Degrees and Certificates Awarded

Program:
Paramedic

Award Type:
Paramedic (AS)



Program Awards Table						
Award Type	Award	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
Associate in Science	Paramedic (AS)			1	10	1
	Total			1	10	1
Grand Total				1	10	1

Program Awards: The number of degrees and certificates awarded by program type

THE PARAMEDIC AS DEGREE WILL CONTINUE TO INCREASE IN NUMBER OF DEGREES AWARDED AS OUR PROGRAM ENROLLMENT INCREASES AS WELL AS THOSE IN THE COMMUNITY WHO HAVE COMPLETED THE PROGRAM OF STUDY IN PREVIOUS YEARS AND ARE IN THE PROCESS OF

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COMPLETING THE DEGREE REQUIREMENTS NOW. INTEREST IN THE DEGREE HAS INCREASED THIS ACADEMIC YEAR AND WE EXPECT THESE NUMBERS TO RISE.

OTHER RELEVANT PROGRAM DATA (OPTIONAL)

Cuesta College EMT: NREMT Pass/Fail Program Report							
Date Range	# of Students that Attempted the Exam	First Attempt Pass	Cumulative Pass Within 3 Attempts	Cumulative Pass Within 6 Attempts	Failed All 6 Attempts	Eligible For Retest	Did Not Complete Within 2 Years
8/16/2010 to 8/15/2011	82	56% (46 / 82)	73% (60 / 82)	73% (60 / 82)	0% (0 / 82)	0% (0 / 82)	27% (22 / 82)
8/16/2011 to 8/15/2012	67	73% (49 / 67)	84% (56 / 67)	85% (57 / 67)	0% (0 / 67)	0% (0 / 67)	15% (10 / 67)
8/16/2012 to 8/15/2013	94	83% (78 / 94)	90% (85 / 94)	90% (85 / 94)	0% (0 / 94)	0% (0 / 94)	10% (9 / 94)
8/16/2013 to 8/15/2014	76	67% (51 / 76)	76% (58 / 76)	76% (58 / 76)	0% (0 / 76)	24% (18 / 76)	0% (0 / 76)
8/16/2014 to 8/15/2015	62	81% (50/62)	87% (54/62)	87% (54/62)	0% (0/62)	14% (8 / 62)	0% (0 / 62)
8/16/2015 to 8/15/2016	79	82% 65	89% (70/79)	89% (70/79)	0% 0	11% (9/79)	0% (0/79)
Totals	501	73% (368)	84% (423/501)	84% (423/501)	0% 0	3% (15/501)	13% (63/501)
to							
National EMT: NREMT Pass/Fail Rates							
2nd Quarter 2010 to 2nd Quarter 2016	445539	68%	80%	81%	0%	5%	15%
<p>Attempted the exam: Number of graduates that make at least one attempt at the exam.</p> <p>First attempt pass: Number and percent of those who attempt the exam that pass on the first attempt.</p> <p>Cumulative pass within 3 attempts: Number and percent of those who attempt the exam who pass on the first, second, or third attempt.</p> <p>Cumulative pass within 6 attempts: Number and percent of those who attempt the exam who pass on the first, second, third, fourth, fifth, or sixth attempt.</p> <p>Failed all 6 attempts: Number and percent of those who fail the exam six times.</p> <p>Eligible for retest: Number and percent of those who failed their last attempt, but remain eligible for retest (less than six attempts, less than two years from course completion.)</p> <p>Did not complete within 2 years: Number and percent of those who fail their last attempt and are no longer eligible for retest (more than two years from course completion.)</p>							

The above chart reflects our students' continued success with the National Registry exam at the EMT level and their subsequent state certification. We continue to be above the state and national average for both first time and overall pass rates.

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Cuesta College Paramedic Program at Cuesta College - NREMT-P Pass/Fail Program Report							
Date Range	# of Students that Attempted the Exam	First Attempt Pass	Cumulative Pass Within 3 Attempts	Cumulative Pass Within 6 Attempts	Failed All 6 Attempts	Eligible For Retest	Did Not Complete Within 2 Years
8/16/2010 to 8/15/2011	20	90% (18 / 20)	100% (20 / 20)	100% (20 / 20)	0% (0 / 20)	0% (0 / 20)	0% (0 / 20)
8/16/2011 to 8/15/2012	11	82% (9 / 11)	100% (11 / 11)	100% (11 / 11)	0% (0 / 11)	0% (0 / 11)	0% (0 / 11)
8/16/2012 to 8/15/2013	13	69% (9 / 13)	92% (12 / 13)	100% (13 / 13)	0% (0 / 13)	0% (0 / 13)	0% (0 / 13)
8/16/2013 to 8/15/2014	15	93% (14 / 15)	100% (15 / 15)	100% (15 / 15)	0% (0 / 15)	0% (0 / 15)	0% (0 / 15)
8/16/2014 to 8/15/2015	12	75% (9 / 12)	83% (10 / 12)	83% (10 / 12)	0% (0 / 12)	17% (2 / 12)	0% (0 / 12)
8/16/2015 to 8/15/2016	18	78% (14/18)	89% (16/18)	89% (16 / 18)	0% (0 / 18)	11% (2 / 18)	0% (0 / 18)
2nd Quarter 2010 to 2nd Quarter 2015	89	82% (73/89)	94% (84/89)	96% (85/89)	0% (0 / 89)	1% (4/89)	0% (0 / 89)
National Paramedic: NREMT-P Pass/Fail Rates							
2nd Quarter 2010 to 2nd Quarter 2015	59181	72%	86%	88%	1%	3%	8%

The above chart reflects our students' continued success with the National Registry exam at the Paramedic level and their subsequent state licensure. We continue to be above the state and national average for both first time and overall pass rates. Class 10 graduates (2015-2016 academic year) have gained Paramedic positions with private ambulance companies, community healthcare districts, and fire departments (all of them within SLO County).

PROGRAM OUTCOMES ASSESSMENT AND IMPROVEMENTS CHECKLIST AND NARRATIVE

CHECKLIST:

- ☒ SLO assessment cycle calendar is up to date: 2016-2021
- ☒ Date SLO assessment cycle calendar was last updated: 2/18/2016
- ☒ All courses scheduled for assessment have been assessed in eLumen
- ☒ Dates of last completed course assessments in eLumen : Fall 2016
- ☒ Program Sustainability Plan progress report completed N/A

Narrative:

NONE.

PROGRAM PLANNING / FORECASTING FOR THE NEXT ACADEMIC YEAR

- A. Anticipated changes in curriculum, scheduling or delivery modality – We anticipate changes to curriculum to meet new state requirements that will

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be developed in the 2017-2018 academic year for anticipated 2018-2019 implementation. See above for details.

- B. Facilities changes – We anticipate the addition of an EMS classroom as was prioritized this past academic year.
- C. Staffing projections – We will be opening a P/T EMS pool for EMT instructor as we anticipate we may lose at least 1 instructor prior to the fall 2017 semester.

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