

INSTRUCTIONAL PROGRAM REVIEW

Program/Subject Area: EMS

Review Period: FA09 – SU12

PROGRAM LEVEL OUTCOMES

1. Enrollment Summary: Three Year Enrollment Summary by Headcount

EMS118/119 is EMT BASIC

EMS155/156 is EMT ADVANCED

See Appendix A for program description.

Year One: FA09 – SU10	Year Two: FA10 – SU11	Year Three: FA11 – SU12
EMS100= 137	EMS100= 147	EMS100= 113
EMS104= 96	EMS104= 70	EMS104= 47
EMS118= 40	EMS118= 36	EMS118= 40
EMS119= 40	EMS119= 36	EMS119= 40
EMS155-N/A	EMS155-N/A	EMS155= 15
EMS156-N/A	EMS156-N/A	EMS156= 15
TOTALS: 313	TOTALS: 289	TOTALS: 270

EMS118 and EMS119 are required to be taken at the same time for course completion. The requirements are the same for EMS155 and EMS156. Therefore, those courses represent a duplicated headcount for each year. EMS155 and EMS156 were offered for the first time in Spring 2012.

EMS 100 is a basic CPR course taken by many of the CVCC students as an elective.

2. Student Staff Ratios: Three-year summary of average class size, faculty ratios, or other data as appropriate

Year One: FA09 – SU10	Year Two: FA10 – SU11	Year Three: FA11 – SU12
EMS100= 8:1	EMS100= 8:1	EMS100= 8:1
EMS104= 8:1	EMS104= 8:1	EMS104= 8:1
EMS118= 1:40 + hourly personnel	EMS118= 2:40 + hourly personnel	EMS118= 2:40 + hourly personnel
EMS119= 1:40 + hourly personnel	EMS119= 2:40 + hourly personnel	EMS119= 2:40 + hourly personnel
EMS155-N/A	EMS155-N/A	EMS155= 1:15 + hourly personnel
EMS156-N/A	EMS156-N/A	EMS156= 1:15 + hourly personnel

The faculty ratios given for EMS118, EMS119, EMS155, and EMS156 include only those instructors hired as adjuncts for the course. Due to course requirements for classroom labs and hospital clinical rotations, hourly personnel are hired to assist the students in completing each requirement. Additionally, the basic program provides a final skills assessment lab as required by National Registry. This process requires no less than six additional hourly personnel to staff the six lab stations.

INSTRUCTIONAL PROGRAM REVIEW

3. Faculty Cost: Three year summary of faculty cost (cost per student)

Year One: FA09 – SU10	Year Two: FA10 – SU11	Year Three: FA11 – SU12
\$74.83	\$112.78	\$206.03

A cost increase is reflected in the FA10-SU11 year due to the additional expense of adding more hourly personnel for classroom labs. In final testing, the students in EMS119 performed poorly in the first round of testing. As required by National Registry, students were then permitted to retest. Hiring additional hourly personnel to assist during the semester decreased the need for secondary testing and increased the number of students successfully completing the EMS119 course.

4. Graduation/Completion Rates: Three-year summary of graduation/completion rates as appropriate

Year One: FA09 – SU10	Year Two: FA10 – SU11	Year Three: FA11 – SU12
EMS100= 99%	EMS100= 99%	EMS100= 99%
EMS104= 100%	EMS104= 98%	EMS104= 94%
EMS118= 80%*	EMS118= 80%**	EMS118= 55%*
EMS119= 80%*	EMS119= 88%**	EMS119= 63%*
EMS155-N/A	EMS155-N/A	EMS155= 80%**
EMS156-N/A	EMS156-N/A	EMS156= 73%**

The number of withdrawals from the program does not accurately reflect the success of the program. Once a student is registered for the course and attends one class, they are counted as a student. In previous years, students have withdrawn after the first class meeting with discussion by instructors explaining real-life situations and the environment they must work in. Some students, after being presented with the information on the course, feel they would be unable to handle the stress and situations they would be required to perform under and did not wish to continue. Within the program, we have several active duty military personnel attempting the course. These students receive orders and leave the program, not of their choosing, while some students have given reasons such as pregnancy or other hardship. Other cases are related to lack of financial aid or failure to complete admission requirements.

In the three years of this review there has been an average of only 1 failure per class among those who persisted.

***62% of those recorded as failing were withdrawals from the program.**

****60% of those recorded as failing in EMS118 and 50% of those in EMS119 were withdrawals from the program.**

***39% of those recorded in EMS118 and 47% of those in EMS119 were withdrawals from the program.**

****100% of those recorded in EMS155 and 75% of those in EMS156 were withdrawals from the program.**

INSTRUCTIONAL PROGRAM REVIEW

5. Placement Rates: Three-year summary of job placement rates if applicable

The EMS155/156 Advance course was not offered until Spring 2012.

Year One: FA09 – SU10	Year Two: FA10 – SU11	Year Three: FA11 – SU12
25%	44%	1% Basic 13% Advanced

EMS is a highly transportable career, with credentials accepted across the United States and all other American properties around the world, making this information difficult to collect. Students earning certification often leave the area to seek employment elsewhere. Students successfully completing the Basic and Advanced programs were contacted for this report. Students failing the course are not allowed to test with NREMT and do not obtain the license needed to practice. EMS100 and EMS104 are not certificate programs and do not lead to a career path. The program has not implemented a successful system of monitoring the progress of students in job placement. Every attempt has been made to contact the students successfully completing the EMS-Basic and EMS-Advanced courses to determine job placement. These numbers reflect only those students that could be confirmed as working in field. To improve record-keeping, students will be asked to provide contact information at the end of each term and will be provided with a post-card to return to the college for a change of address or news on employment. CVCC is in the planning stages of improving the manner in which student employment data is collected and maintained.

The FA11 – SU12 numbers are low due to students just completing testing or waiting to test with NREMT, as employment in field is not possible without certification from the agency. Additionally, the majority of students in the Advanced course were students that completed the Basic course in previous semesters. Many of these students are moving to paramedic courses, still working towards a two-year or four-year degree.

Job placement rates are not considered for EMS100 or EMS104 courses. These courses are limited to the instruction of one skill (CPR and First Aid) and do not provide any additional training for employment purposes.

6. Evidence of Student Success upon completion/graduation: Employer surveys, University GPAs, exam results, student surveys, other measures of success, as appropriate.

Student surveys to monitor instructor skills are completed at the end of each semester and are on file at CVCC. Students indicated in their comments from the surveys stated:

- Stick closer to the syllabus
- Thoroughly go over chapters prior to testing, not go by the PowerPoint's so much
- Give assignments and tests, one per week
- Allowing for time for reviewing for the final
- Allow more hands-on time

INSTRUCTIONAL PROGRAM REVIEW

- Increase the length of the course
- Provide more medical supplies and skills materials
- Provide more advance notice on assignments to allow additional time for studying.

A new syllabus has been developed for the Fall 2012 course, detailing the material that will be covered. The syllabus has a timeline of expectations for exams, assignments, and reviews. A program review survey is in the drafting stage and will be implemented with the Fall 2012 semester. Students successful in passing the National Registry Exam are shown in the NREMT report. See appendix B for the NREMT exam results.

7. Summary of equipment, instructional support, staffing and/or facilities issues

The EMS program has begun expanding its supply of instructional materials and supplies. New to the program is the replacement of an airway trainer and automated external defibrillator. New equipment required for instruction that meets all requirements was purchased with Perkins funds this year, and includes: a new IO trainer, two new IV arms with IV poles, a combitube trainer, and approximately \$3,300 worth of expendable supplies such as needles, fluids, dressings.

Both the EMS Basic and Advanced courses are taught by adjunct faculty with the additional assistance of hourly employees for classroom labs and required clinical hours at local medical facilities. The instructors for these courses have changed each semester.

Increased space is a priority for course expansion. The program currently shares classroom space with the Homeland Security and Fire Science programs. At this time, the program is taught in two classrooms, one with a lab area.

8. Summary of plans, trends, or issues not cited in previous sections

EMS118, EMS119, EMS155, and EMS156 are not offered during the summer term due to the 10 week summer term. These programs are difficult and must be completed in one semester. Ten weeks is not enough time to offer the program in its current format. To offer the course during the summer semester, it would require students attend five days a week and complete clinical requirements on some weekends. A full-time EMS instructor would be needed to develop this concept and gather data on student interest for such a class.

EMS100 and EMS104 are required to have one lead instructor for the first eight students and an assistant for every eight additional students.

Currently, there are few training sites for the EMS programs within the Phenix City, Columbus, and Ft. Benning area. There are no higher education institutions offering the program within this immediate area. Only two private emergency medical service providers offer the Advanced course – with participation limited to employees only. Columbus Fire and Emergency Medical Services also offer the Advanced course to employees only. They require employees to complete the Basic course before being hired. The nearest paramedic program is located approximately 30 miles from Phenix City. Many

INSTRUCTIONAL PROGRAM REVIEW

students and non-students have requested that we offer the paramedic program. It would be a natural progression for students to continue their EMT training.

9. Recommendations and items for follow-up

The EMT Basic and Advanced courses need additional equipment to compliment the equipment already on hand. New blood pressure cuffs are a priority and will be ordered with existing unspent 2011-2012 Perkins funds. Additional funding for a simulated human skeleton and new CPR clicker manikins has been approved for the upcoming budget year.

Funding for both courses will need to increase as replacement costs for expendable items increase with course enrollment.

A full-time instructor would provide more stability for the program as it grows, would improve the acquisition and maintenance of inventory, and would reduce the costs associated with hourly personnel used for lab courses. The institution has committed to hiring a full-time EMS instructor in the coming months.

Prepared by: Mary Simonton

Date: 8/6/12

Reviewed by: Janet Ormond

Date: 8/6/12

Return to OIEP

Attach copy of Unit Plans

Reviewer Comments

INSTRUCTIONAL PROGRAM REVIEW

Report Type: Program Report (AL-222)
Registration Level: EMT-Basic / EMT
Course Completion Date: 8/1/2009 to 7/31/2010
Training Program: Chattahoochee Valley Community (AL-222)

The results of your report request are as follows:

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
21	67% (14 / 21)	76% (16 / 21)	76% (16 / 21)	5% (1 / 21)	0% (0 / 21)	19% (4 / 21)

Report Type: Program Report (AL-222)
Registration Level: EMT-Basic / EMT
Course Completion Date: 8/1/2010 to 7/31/2011
Training Program: Chattahoochee Valley Community (AL-222)

The results of your report request are as follows:

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
20	55% (11 / 20)	65% (13 / 20)	65% (13 / 20)	0% (0 / 20)	35% (7 / 20)	0% (0 / 20)

INSTRUCTIONAL PROGRAM REVIEW

Report Type: Program Report (AL-222)
Registration Level: EMT-Basic / EMT
Course Completion Date: 8/1/2011 to 7/31/2012
Training Program: Chattahoochee Valley Community (AL-222)

The results of your report request are as follows:

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
14	64% (9 / 14)	71% (10 / 14)	71% (10 / 14)	0% (0 / 14)	29% (4 / 14)	0% (0 / 14)

Report Type: Program Report (AL-222)
Registration Level: Advanced EMT (AEMT)
Course Completion Date: 8/1/2011 to 7/31/2012
Training Program: Chattahoochee Valley Community (AL-222)

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
4	25% (1 / 4)	25% (1 / 4)	25% (1 / 4)	0% (0 / 4)	75% (3 / 4)	0% (0 / 4)

INSTRUCTIONAL PROGRAM REVIEW

APPENDIX A

COURSE DESCRIPTIONS

EMS 118. Emergency Medical Technician (9)

This course is required to apply for certification as an EMT basic. This course provides students with insights into the theory and application of concepts related to the profession of emergency medical services. Specific topics include: EMS preparatory, airway maintenance, patient assessment, treating trauma patients, various medical procedures, treating infants and children, and various EMS operations. This course is based on the Emergency Medical Technician-Basic National Standard Curriculum.

EMS 119. Emergency Medical Technician Clinical (1)

This course is required to apply for certification as an EMT basic. This course provides students with clinical education experiences to enhance knowledge and skills learned in the EMS 118, Emergency Medical Technician. This course helps student prepare for the National Registry Exam.

EMS 155. Advanced Emergency Medical Technician (8)

Corequisite: EMS 156

This course is required to apply for certification as an Advanced Emergency Medical Technician (AEMT). This course introduces the theory and application of concepts related to the profession of the AEMT. The primary focus of the AEMT is to provide basic and limited advanced emergency medical care and transportation for critical and emergent patients who access the emergency medical system. This individual possesses the basic knowledge and skills necessary to provide patient care and transportation. Topics include: extending the knowledge of the EMT to a more complex breadth and depth, intravenous access and fluid therapy, medication administration, blind insertion airway devices, as well as the advanced assessment and management of various medical illnesses and traumatic injuries. This course is based on the NHTSA National Emergency Medical Services Education Standards. Requires licensure or eligibility for licensure at the EMT level and EMS 156 must be taken as a co-requisite.

EMS 156. Advanced Emergency Medical Technician Clinical (2)

Corequisite: EMS 155

This course is required to apply for certification as an Advanced Emergency Medical Technician (AEMT). This course provides students with clinical education experiences to enhance knowledge and skills learned in EMS 155. This course helps prepare students for the National Registry AEMT Exam. The student will have the opportunity to use the basic and advanced skills of the AEMT in the clinical and field settings under the direct supervision of licensed healthcare professionals. Requires licensure or eligibility for licensure at the EMT level and EMS 155 must be taken as a co-requisite.