

EMST 105

Emergency Medical Technician

10 Credits

Community College of Baltimore County

Common Course Outline

Description

EMST 105 –Emergency Medical Technician: introduces theory and techniques of basic emergency medical care in the prehospital setting. Other topics discussed are pathophysiological principles related to the recognition and management of a variety of patient conditions. This course satisfies the requirements leading to State and National Emergency Medical Technician (EMT) certification. Field rotations are a required component of the course and are completed outside of normal class dates and times. These are coordinated with assistance from the EMT program staff and identified Maryland Emergency Medical Services (EMS) Operational programs.

Overall Course Objectives

Upon completion of this course, students will be able to:

1. apply fundamental knowledge of the EMS system, safety and well-being of the EMT, and medical, legal, and ethical issues to the provision of emergency medical care;
2. describe the essential elements of safe and orderly transportation of the patient to the hospital and the transfer of patient care to the appropriate hospital staff;
3. identify methods for safely preparing, packaging, and moving a patient for transport to a designated medical facility;
4. demonstrate methods for safely preparing, packaging, and the movement of a patient for transport;
5. demonstrate patient assessment techniques for patients presenting with diverse chief complaints to include medical and trauma emergencies;
6. prioritize assessment findings and chief complaints of the patient;
7. formulate patient treatment plans based on patient assessments, complaints, and medical direction standing orders in all patient populations and chief complaints;
8. identify life-threatening conditions in medical and trauma emergencies;
9. differentiate assessment techniques and treatments for at-risk patient care populations;
10. describe essential elements for the safe and efficient response to the scene of an emergency; and
11. discuss the correlation between evidence-based medicine and the practice of pre-hospital care for patients.

Major Topics

- I. Preparatory
 - a. Medical/Legal

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For more information, see your professor's syllabus.

- b. Ethics
- c. Wellbeing of EMT
- d. Scope of Practice
- e. History of EMS
- II. Patient Assessment
- III. Medical Emergencies
- IV. Trauma Emergencies
- V. At-Risk Patient Populations
 - a. Pediatrics
 - b. Geriatrics
 - c. Obstetrics and Gynecological (OB/GYN)
 - d. Special Considerations for other challenging patients
- VI. Operations
- VII. Field Experiences
 - a. EMS-911
 - b. EMS-Commercial Ambulance
 - c. Operations-Aviation
 - d. Operations-Medical Facility
 - e. Preparatory-Emergency Operation Center

Course Requirements

Grading will be determined by the individual faculty member, but shall include the following, at minimum:

- 6 modular assignments
- 5 quizzes
- 6 modular exams
- 1 written final exam with a 70% or higher
- Field experience with an assigned preceptor to complete the minimum required number of patient contacts set forth by Maryland Institute for Emergency Medical Services Systems (MIEMSS).

Written assignments and research projects: Students are required to use appropriate academic resources in their research and cite sources according to the style selected by their professor.

Other Course Information

Successful completion of this course is required in order to be eligible for consideration for selection into the CCBC Essex Emergency Medical Technology (Paramedic) Associate of Applied Science Degree or Certificate program. Successful completion of the written final examination is required to take the State and National EMT certification examinations. In addition to textbooks, students will be required to purchase a uniform, stethoscope, and adult manual blood pressure cuff. Purchase and completion of a background check and drug screen through the college approved vendor is required. Completion of a personal health history provided by the program that will include documentation of a physical exam, health history, vaccination records, and information is also required. Clinical sites require

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vaccination records that are current, which typically include but are not limited to an annual tuberculosis (TB) test and annual influenza vaccine. Students must provide evidence of current medical/health insurance.

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