

COURSE OUTLINE
EMSP-105
Emergency Medical Technician
7Credit Hours

HOWARD COMMUNITY COLLEGE

Description

Students will be able to properly perform the various psychomotor (field) skills utilized by emergency medical technician level prehospital care providers in the care of sick or injured persons. This course prepares the student for the Maryland and National Registry EMT certification written and practical examinations and follows the guidelines established for EMT training by the DOT/NTHSA/HRSA national standard curriculum. In addition to EMT certification, course completion for CPR for the health care practitioner is an expected outcome of this course. Participation in the ride along component of this course requires completion of the Health Sciences Division Health Data Form available on the HCC website. A criminal background investigation will be required. Per Maryland Law you must be at least 18 years of age (or 16-18 with signed parental permission) to take EMSP-105. Prerequisite: EMGL-093 or appropriate score on English placement test. (4 hours theory, 9 hours lab)

Overall Course Objectives

Upon completion of this course the student will be able to:

1. Discuss legal, ethical and moral issues pertaining to EMT level care.
2. Discuss the role and responsibilities of the BLS level provider in the health care delivery team.
3. Demonstrate appropriate safety concerns for the following: scene safety, provider safety, hazardous material awareness, and infection control procedures.
4. Perform safe lifting and moving techniques for patients.
5. Perform 1 and 2 rescuer CPR and FBAO removal techniques on adults, children and infants following current standards and guidelines.
6. Properly use an AED in the treatment of cardiac arrest.
7. Describe the various body systems, the components (organs, tissues, structures, etc.) of each system, function of each system, and how each system relates to the others.
8. Perform a comprehensive BLS level patient assessment (including history and physical examination) for a sick or injured person.
9. Accurately perform vital signs assessment.
10. Provide appropriate BLS level care for a sick or injured person.
11. Describe and properly administer, or assist in the administration of, each of the BLS level medications.
12. Demonstrate appropriate written and verbal communication and documentation skills.
13. Describe mass casualty incidents and disasters and how those incidents are different from other emergencies.
14. Perform all psychomotor skills for the BLS level provider, including:
 - Airway and breathing management
 - Circulation management (external and internal bleeding control and identification of internal bleeding)
 - Shock identification and treatment
 - Suspected spine injury management
 - Fracture management
 - Soft tissue injury management
 - Burn management

- Poisoning identification and treatment
- Anaphylaxis and allergic reaction management
- Acute and episodic disease management (i.e.: CHF, COPD, AMI, stroke, etc.)
- Environmental emergencies treatment
- Identification and management of common diseases of the cardiovascular, respiratory, endocrine, genitourinary, digestive, nervous and integumentary systems
- Emergency childbirth procedures for an uncomplicated delivery
- Behavioral emergencies management strategies
- Pediatric patient management

Major Topics

- I. Legal, ethical and moral issues
- II. Roles and responsibilities
- III. Anatomy and physiology
- IV. Scene and provider safety
- V. Patient assessment (history, physical examination, and vital signs)
- VI. Patient care for sick and injured persons
- VII. Communication and documentation skills
- VIII. Psychomotor skills

Course Requirements

Grading/Exams/Readings:

- Students are required to maintain a minimum score of 70% on each of the seven module examinations to be eligible to take the Maryland EMT examination.
- Each student will be required to successfully complete a field internship to be eligible to take the Maryland EMT examination.
- Students are required to demonstrate each BLS level skill to the competency level specified by the Maryland Fire and Rescue Institute (MFRI) to be eligible to take the Maryland EMT examination.

Other Course Information

- Students are required to comply with the Health Date requirements of the field internship sites.
- Participants will be required to meet all MIEMSS/MFRI requirements to be eligible to take the Maryland EMT certification examination. This includes providing personal information on any past criminal activities, participating in a field internship that is conducted outside of class hours, and performing a minimum of five (5) patient assessments on real medical or trauma patients while under direct observation of an EMS field preceptor.