

COURSE OUTLINE

EMSP 101

Emergency Medical Technician - Basic

6 Credit Hours

HOWARD COMMUNITY COLLEGE

Description

Students will be able to properly perform the various psychomotor (field) skills utilized by emergency medical technician – basic (EMT-B) level prehospital care providers in the care of sick or injured persons. This course prepares the students for the Maryland and National Registry EMT-B certification practical and written examinations and follows the guidelines established for EMT-B training by the DOT/NHTSA/HRSA national standard curriculum. Per Maryland law you must be at least 18 years of age (or 16-18 with parental permission) to take EMT-B training. Prerequisite: ENGL-093 or appropriate score on English placement test. (Theory: 4 hours, Lab: 6 hours)

Overall Course Objectives

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

1. Discuss legal, ethical and moral issues pertaining to EMT-B 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 American Heart Association 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 personal.
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, genito-urinary, digestive, nervous and integumentary systems
- Emergency childbirth procedures for an uncomplicated delivery
- Behavioral emergencies management strategies
- Pediatric patient management

Major Topics

1. Legal, ethical and moral issues
2. Roles and responsibilities
3. Anatomy and physiology
4. Scene and provider safety
5. Patient assessment (history, physical examination, and vital signs)
6. Patient care for sick and injured persons
7. Communication and documentation skills
8. Psychomotor skills

Course Requirements

Grading/Exams/Readings:

- Students are required to maintain an overall average of 75% on all quizzes and tests to be eligible to take the Maryland EMT-B examination.
- Students are required to achieve a minimum score of 75% on the comprehensive final examination to be eligible to take the Maryland EMT-B written and practical 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-B examination.
- The primary course textbook and workbook will be the current recommendation of the Maryland Fire and Rescue Institute for EMT-B training. The text for CPR training is the current American Heart Association CPR for Healthcare Provider.
- The grade for this course is determined as follows:
Cognitive Domain (34%) Affective Domain (33%) Psychomotor Domain (33%)

Other Course Information:

- Participation in this course requires proof of freedom from tuberculosis and immunity to rubella, rubeola, mumps, tetanus, and varicella through vaccination or titer. Hepatitis B Vaccination (HBV) or declination is also required. Provide health documentation on the first day of class. Visit the EMS Program website at <http://www.howardcc.edu/health/hshp.htm> for a copy of the Health Data Form or contact the EMS Program at 410-772-4948.
- Participants will be required to meet all MIEMSS requirements to be eligible to take the Maryland EMT-B certification examination. This includes providing personal information on any past criminal activities, participating in a 10-hour 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.