

Common Course Outline
EMST 256
EMT-P Medical Emergencies and Trauma
5 Credits

The Community College of Baltimore County

Description

EMT-P Medical Emergencies and Trauma

Examines theory and practice for out-of-hospital management of the trauma patient and selected medical emergencies at the paramedic level; develops critical thinking and personal judgment skills of the paramedic through in-depth discussions of pathophysiology and management of trauma and disease processes.

Prerequisites: Admission to the EMT-P Program

Overall Course Objectives

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

1. Discuss the pathophysiology and implications for prehospital assessment and management of the following medical and trauma emergencies:
 - Shock
 - Soft Tissue Injury
 - Burns
 - Respiratory Disorders
 - Cardiovascular Disorders
 - Endocrine Disorders
 - Nervous System Disorders
 - Renal System Disorders
 - Toxicology
 - Drug Abuse
 - Alcoholism
 - Environmental Emergencies
2. Recall the assessment and management strategies to be considered for the medical and trauma emergencies discussed in this course.

3. Demonstrate the proper techniques for the implementation and use of the following advanced life support procedures:
 - 12 lead ECG
 - transcutaneous external cardiac pacing
 - nasogastric and orogastric tube
 - nasotracheal intubation
 - surgical and needle cricothyotomy
 - external jugular cannulation
 - urinary catheterization
 - intravenous fluid pump
 - portable respirator/ventilator

Major Topics

Airway and Ventilation
Shock
Trauma
Respiratory Disorders
Cardiovascular Emergencies
Diabetic Emergencies
Nervous System Disorders
Renal Failure
Anaphylaxis
Toxicology, Drug Abuse, and Alcoholism
Infectious Disease
Environmental Emergencies
Geriatrics

Course Requirements

Students registered for EMST 256 must maintain advanced life support affiliation with a Maryland volunteer, career, or commercial ambulance company at all times while enrolled in the CCBC Essex EMT Program.

Mastery level for all written examinations is 75%.

Other Course Information

This course is offered during the Fall only.

Successful completion of this course, in combination with EMST 252, EMST 254, EMST 257, EMST 259 and EMST 273 is required for the student to be eligible to sit for the National Registry of EMT-Paramedic examinations.