

# EMS 112

## Emergency Medical Technician- Basic I

### COURSE OUTLINE

#### **Prerequisites:**

Prerequisite is EMS 100 CPR for Healthcare Providers or CPR certification at the Health Care Provider level.

#### **Course Description:**

Prepares student for certification as a Virginia and National Registry EMT. Includes all aspects of pre-hospital basic life support as defined by the Virginia Office of Emergency Medical Services curriculum for Emergency Medicine Technician Basic.

Course Purpose: Prepares the EMS student for national and/or state certification commensurate with the requirements of the Virginia Office of Emergency Medical Services Educational Standards for EMT. This program is a one (1) semester, 80 hour course that provides education in the provision of emergency medical care for persons who desire to function as an attendant in an ambulance or other setting where emergency care of sick or injured persons is required. The course exceeds current National and Virginia Emergency Medical Services Educational Standards for the Emergency Medical Technician (EMT). The course provides education in seven (7) modules: Foundations, Airway Management, Patient Assessment, Medical Emergencies, Trauma Emergencies, Special Populations, and Operations. Upon successful completion of the Program, the student will be eligible for certification examination as an Emergency Medical Technician (EMT) through the Virginia Department of Health, Office of Emergency Medical Services and National Registry of Emergency Medical Technicians. EMS 113 and EMS 120 required in addition to this course to become eligible for Virginia and National Registry EMT certification testing.

**Semester Credits: 4**

**Lecture Hours: 3**

**Lab Hours: 2**



## **Course Outcomes:**

At the completion of this course, the student should be able to:

- Obtain Virginia EMT certification (eligible upon successful completion of EMS 112, EMS 113, & EMS 120)
- Obtain National Registry EMT certification (eligible upon successful completion of EMS 112, EMS 113, & EMS 120)
- Demonstrate achievement of the objectives from the Virginia Office of Emergency Medical Services Educational Standards for the EMT level.

## **Course Outcomes:**

### Major Topics to be Included

- Foundations: Intro to EMS, Well-being of the EMT, Medical/Legal Issues, The Human Body,
- Airway: Gaining and maintaining an airway in a patient, provide ventilatory support for a patient
- Patient Assessment: Provide a comprehensive assessment for a patient of and illness and/or injury
- Baseline Vital Signs and SAMPLE, and Lifting and Moving Patients
- Medical Emergencies: Provide care for patients with various illnesses

## **Textbook:**

Main text and workbook:

- Text: Brady ***Emergency Care*** 12<sup>th</sup> edition. ISBN-13: 978-0-13-254380-4
- Workbook (Optional): Brady ***Emergency Care Workbook*** 12<sup>th</sup> edition ISBN-13: 978-0-13-237534-4

## **ASSIGNMENTS:**

The student will participate in all course assignments, labs, and activities, coming to class prepared for interaction with other students and the instructor. Course assignments include, but are not limited to:

- Practical quizzes
- Cognitive quizzes
- Cognitive tests
- Final Exam/ Capstone Cognitive Exam
- Any other assignments as deemed necessary by the instructor

Computer access is required

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