

**J. Sargeant Reynolds Community College
Course Content Summary**

Course Prefix and Number: EMS 111

Credits: 7

Course Title: Emergency Medical Technician

Course Description: Prepares student for certification as a Virginia and National Registry EMT. Focuses on all aspects of pre-hospital basic life support as defined by the Virginia Office of Emergency Medical Services curriculum for Emergency Medicine Technician. Prerequisite: EMS 100 or equivalent CPR certification at the Health Care Provider level. An approved substitute is HLT 105. Co-requisite: EMS 120. Lecture 5 hours. Laboratory 4 hours. Total 9 hours per week.

General Course Purpose: Along with EMS 120, this course may be taken as a stand-alone course leading toward certification as a Virginia EMT and Nationally Registered Emergency Medical Technician. This course is meant for students wishing to serve in a position within Public Safety (i.e., police, fire, and EMS) and/or other areas of healthcare. It also serves as a basis to proceed to EMS-Paramedic AAS and other programs in the healthcare field.

Course Prerequisites and Co-requisites:

Prerequisite: EMS 100 or equivalent CPR certification at the Health Care Provider level.

An approved substitute is HLT 105.

Co-requisite: EMS 120

12VAC5-31-1503. BLS course student requirements:

To enroll in a BLS certification program you must comply with the following:

- a. Be clean and neat in appearance. Be a minimum of 16 years of age at the beginning date of this certification program. If less than 18 years of age, you must provide the course coordinator with a completed parental permission form with the signature of a parent or guardian verifying approval for enrollment in the course. If you are less than 18 years of age and are affiliated with an EMS or other public safety agency you must also provide the course coordinator with documentation from an officer of the agency stating that you will be covered by agency insurance while attending the course.
- b. Be proficient in reading, writing and speaking the English language in order to clearly communicate with a patient, family or bystander to determine a chief complaint, nature of illness, mechanism of injury or to assess signs and symptoms. (12VAC5-31-1503)
- c. Have no physical or mental impairment that would render one unable to perform all practical skills required for that level of certification including the ability to function and communicate independently and perform appropriate patient care, physical assessments and treatments without the need for an assistant. (12VAC5-31-1503)
- d. Hold current certification in an Office of EMS approved course in cardio-pulmonary resuscitation (CPR) at the beginning date of the certification program. This certification must also be current at the time of state testing. (12VAC5-31-1503)
- e. If you are a foreign national, you must have secured a U.S. Government Student Visa. If you have not been issued a US Social Security Administration number (SSN), you must submit copies of your U.S. Government Student Visa together with your enrollment form.

- f. Not have been convicted or found guilty of any crime, offense or regulatory violation, or participated in any other prohibited conduct identified in state EMS regulations as follows: (12VAC5-31-910)
 - 1. Any crime involving sexual misconduct.
 - 2. A crime involving the sexual or physical abuse of children, the elderly or the infirm, such as sexual misconduct with a child, making or distributing child pornography or using a child in a sexual display, incest involving a child, assault on an elderly or infirm person.
 - 3. Any crime (including abuse, neglect, theft from, or financial exploitation) of a person entrusted to his care or protection in which the victim is a patient or is a resident of a healthcare facility.
 - 4. Any crime involving the use, possession, or distribution of illegal drugs.
 - 5. Are not currently under any disciplinary or enforcement action from another state EMS office or other recognized state or national healthcare provider licensing or certifying body. Personnel subject to these disciplinary or enforcement actions may be eligible for certification provided there have been no further disciplinary or enforcement actions for five years prior to application for certification in Virginia.
 - 6. Have never been subject to a permanent revocation of license or certification by another state EMS office or other recognized state or national healthcare provider licensing or certifying body.
- g. All references to criminal acts or convictions under this section refer to substantially similar laws or regulations of any other state or the United States. Convictions include prior adult convictions, juvenile convictions and adjudications of delinquency based on an offense that would have been, at the time of conviction, a felony conviction if committed by an adult within or outside Virginia.
- h. May not be under the influence of any drugs or intoxicating substances that impairs your ability to provide patient care or operate a motor vehicle while in class, or clinical, while on duty or when responding or assisting in the care of a patient. (12VAC5-31-940)

Course Objectives: Upon successfully completing EMS 111 and EMS 120 with an overall grade average of at least 80, the student will be eligible to take the National Registry EMT Cognitive Psychomotor Examinations.

Student Learning Outcomes:

Upon completing the course, the student will be able to

- a. Demonstrate the proper donning and doffing of protective gear appropriate for the EMT and situation;
- b. Perform CPR, both 1 and 2 person for adult, child, and infant to Healthcare provider level consistent with American Heart Association BLS level;
- c. Perform basic airway management techniques including insertion of airway adjuncts intended for the oropharynx and nasopharynx and blind insertion airway devices;
- d. Demonstrate the ability to assist patients with their own prescribed medicines and additional medications carried by EMS;
- e. Assess, manage, and stabilize patients of all ages and demographics with medical emergencies;
- f. Assess, manage, and stabilize patients of all ages and demographics with traumatic emergencies;
- g. Demonstrate the ability to properly prepare the patient for transport while limiting or aggravating any injuries;
- h. Demonstrate the knowledge of triage and assigning patients to the appropriate level facility;

- i. Demonstrate the ability to interact with other responders appropriately including giving and taking advice on patient care. Interact as a member of a team; and
- j. Demonstrate the ability to complete a patient care report including a summation of treatment provided to the receiving facility or transporting ambulance.

Major Topics to Be Included:

- a. Preparatory/Public Health/EMS Systems and History of EMS
- b. Anatomy and Physiology
- c. Medical Terminology
- d. Pathophysiology
- e. Life Span Development
- f. Airway Management, Respirations, Artificial Ventilation and Oxygen Administration
- g. Patient Assessment (Medical and Trauma)
- h. Pharmacology
- i. Shock and Resuscitation
- j. Medical Emergencies
- k. Trauma
- l. Special Patient Populations
- m. EMS Operations
- n. Clinical Behavior/Judgement

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