

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

Course Prefix and Number: EMS 113

Credits: 3

Course Title: Emergency Medical Technician – Basic II

Course Description: Continues preparation of student for certification as a Virginia and/or National Registry EMT-Basic. Includes all aspects of pre-hospital basic life support as defined by the Virginia Office of Emergency Medical Services curriculum for Emergency Medical Technician-Basic. Upon successfully completing EMS 113 and EMS 120 with an overall grade average of at least 80, the student will be able to take the National Registry EMT-Basic Written and Practical Examinations. Lecture 2 hours. Laboratory 2 hours. Total 4 hours per week.

General Course Purpose: This course, along with EMS 112 and 120, is meant for students wishing to serve in positions within public safety (police, fire, and EMS). It also serves as a basis to proceed to paramedic and other positions in medicine.

Course Prerequisites and Co-requisites:

Prerequisites:

- a. EMS 112
- b. Current CPR card (See EMS 112 CPR Requirements)
- c. Other requirements as listed in the course prerequisites for EMS 112

Co-requisite:

- a. EMS 120

Course Objectives:

Upon completing this course, the student will be able to:

- a. Understand musculoskeletal traumatic and non-traumatic fractures;
- b. Understand and apply splints to stabilize fractures of the upper and lower extremities as well as the central body;
- c. Understand the pathophysiology of head, spine and spinal canal, face, neck, chest, abdomen, and genitourinary system traumas;
- d. Apply a cervical collar and proper patient placement on a long backboard;
- e. Identify and treat the multisystem trauma patient;
- f. Understand trauma level designations of receiving hospitals;
- g. Identify and apply appropriate patient selection transport to specific trauma centers;
- h. Understand obstetrics within the EMT's scope of practice;
- i. Understand and be able to perform an uncomplicated delivery;
- j. Discriminate between the appropriate treatments, special needs, and challenges based on patient age groups: pediatric, geriatric, and special needs patients; and
- k. Understand EMS operations, including hazardous materials, incident command, and patient extrication.

Major Topics to Be Included:

- a. Trauma (Part II).
- b. Special Patient Populations
- c. EMS Operations

Effective Date of Course Content Summary: January 1, 2014