

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

Course Prefix and Number: EMS 138 **Credits:** 1

Course Title: Trauma Care Lab

Course Description:

Focuses on the skills required for the assessment and management of patients with traumatic injury. Prerequisites: Current Virginia EMT and CPR certification as approved by the Virginia Office of EMS. EMS 121, EMS 123, EMS 125, EMS 126, EMS 127, EMS 128. Corequisite: EMS 137. Laboratory 2 hours per week.

General Course Purpose:

The purpose of this course is to teach the student principles of care and management of patients complaining of traumatic injury.

Course Prerequisites and Co-requisites:

Prerequisite: Current Virginia EMT and CPR certification as approved by the Virginia Office of EMS. EMS 121, EMS 123, EMS 125, EMS 126, EMS 127, EMS 128

Co-requisite: EMS 137

Student Learning Outcomes:

Upon completing the course, the student will be able to

- Perform a minimum of two (2) trauma physical assessments on an adult patient in the laboratory setting;
- Perform a minimum of two (2) trauma physical assessments on an adult patient in a scenario;
- Demonstrate competency in initiating intravenous therapy in a minimum of five (5) scenarios;
- Demonstrate competency administering an intravenous bolus;
- Demonstrate competency in performing needle cricothyrotomy on a minimum of (2) patients in a laboratory setting;
- Demonstrate competency in performing endotracheal intubation on a minimum of (2) adult patients suffering traumatic injury in the laboratory setting;
- Demonstrate competency in initiating an intraosseous infusion in a minimum of two (2) scenarios; and
- Demonstrate competency in the use of basic trauma management skills in the laboratory setting.

Major Topics to Be Included:

- a. Trauma Patient Assessment
 - Considerations in traumatic injuries
 - Systematic approach
 - Rapid trauma assessment

- Focused trauma assessment
- b. Trauma Patient Management
 - Use of intravenous fluids
 - Consideration of intraosseous use
 - Perform cricothyrotomy
 - Endotracheal intubation on a trauma patient
- c. Basic Trauma Skills
 - Spinal immobilization (supine patient)
 - Spinal immobilization (seated patient)
 - Joint splinting
 - Long bone splinting
 - Traction splinting
 - Hemorrhage control

Effective Date/Updated: September 21, 2018