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**COURSE SYLLABUS**

**DIVISION:** Workforce Services

Revised: January 2015

**CURRICULUM IN WHICH COURSE IS TAUGHT:**

Emergency Medical Technician-Intermediate: Career Studies Certificate

**COURSE NUMBER AND TITLE:**

EMS 151- Introduction to Advanced Life Support (4 crs)

**CREDIT HOURS:** 4

**HOURS WEEK LECTURER:** 3

**HOURS WEEK LAB:** 2

**LECTURE/LAB COMBINATION:** 5

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**I. CATALOG DESCRIPTION:**

Prepares the student for Virginia Enhanced certification eligibility and begins the sequence for National Registry Intermediate and/or Paramedic certification. Includes the theory and application of the following: foundations, human systems, pharmacology, overview of shock, venous access, airway management, patient assessment, respiratory emergencies, allergic reaction, and assessment based management. Conforms at a minimum to the Virginia Office of Emergency Medical Services curriculum. Co-requisite: [EMS 170](#) Clinical and Field Internship. Lecture 3 hours. Laboratory 2 hours. Total 5 hours per week. 4 credits

**II. RELATIONSHIP OF THE COURSE TO CURRICULA OBJECTIVES IN WHICH IT IS TAUGHT.**

A curriculum objective is to give students a general overview of the requirements for Virginia Enhanced certification and begin the sequence for National Registry Intermediate and or Paramedic certification.

**III. REQUIRED BACKGROUND:**

General Admission to the College and current Virginia or National Registry EMT- Enhanced

**IV. COURSE CONTENT:**

- Introduction to the EMT-I Program
  - Roles and Responsibilities
- Foundations of the EMT-I
- Overview of Human Systems
- Emergency Pharmacology
- Venous Access & Medication Administration
- Airway Management and Ventilation
- History Taking

- Techniques of Physical Examination
- Patient Assessment in the Field
- Clinical Decision Making
- Communications
- Documentation
- Clinical Introduction and Overview

**V. LEARNER OUTCOMES:**

**VI. EVALUATION:**

<p>At the completion of the course, the student will:</p> <p>Understand the roles and responsibilities of an EMT-Intermediate within an EMS System, apply the basic concepts of anatomy and physiology to the assessment and management of emergency patients, and safety use and administer emergency medications.</p> <p>Be able to establish and /or maintain a patient airway, oxygenate, and ventilate a patient</p> <p>Be able to take a proper history and perform an advanced physical assessment on an emergency patient, and communicate the findings to others</p> <p>Be able to utilize the assessment findings to formulate a field impression and implement the treatment plan for the patient with respiratory emergencies</p> <p>Be able to utilize the assessment findings to formulate a field impression and implement a treatment plan for the patient with an allergic or anaphylactic reaction</p> <p>Be able to integrate the principles of assessment based management to perform an appropriate assessment and implement the management plan for patients with common complaints.</p>	<p>The course is a combination of lecture, demonstrations and hands-on training in the classroom and laboratory, with practical applications on selected class projects in the laboratory/classroom and at locations away from the class site. Oral readings, workbook assignments, practicals, quizzes and tests will be used as evaluation tools</p>
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**The course supports the following objectives:**

DCC Educational Objectives

1. Communication
2. Critical Thinking
3. Interpersonal Skills and Human Relations
4. Computational and Computer Skills
5. Understanding Culture and Society