

Update #: 24
Title: **Prerequisites for EMS 111**
Type: The VCCS Master Course File description for EMS 111 states that EMS 100 or equivalent is the prerequisite for the course. PDCCC does not currently offer EMS 100, however a student could transfer in that course from another VCCS college. In the VCCS Master Course File, EMS 100, EMT 109, and HLT 109 are all CPR courses. PDCCC offers EMT 109 and accepts it as the equivalent prerequisite for EMS 111. The course description for EMS 100 has been added for clarity, and the course description for EMS 111 has been updated.
Effective: Immediately (10-28-16)

Emergency Medical Services

EMS 100 - CPR for Healthcare Providers

Provides instruction in Cardiopulmonary Resuscitation that meets current Emergency Cardiac Care (ECC) guidelines for Cardiopulmonary Resuscitation education for Healthcare Providers. Equivalent to HLT 105. Lecture 1 hours per week.
1 credits

EMS 111 - Emergency Medical Technician

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/equivalent Co-requisite: EMS 120. PDCCC offers and accepts EMT 109 as equivalent co-requisite.
5 lecture hours; 4 lab hours; 9 hours per week
7 credits

EMS 112 - Emergency Medical Technician-Basic I

Prepares student for certification as a Virginia and/or National Registry EMT-Basic. 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 Basic.
Lecture 3 hours. Laboratory 2 hours. Total 5 hours per week.
4 credits

EMS 113 - Emergency Medical Technician-Basic II

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 Medicine Technician Basic.
Lecture 2 hours. Laboratory 2 hours. Total 4 hours per week.
3 credits

EMS 120 - Emergency Medical Technician - Basic Clinical

Observes in a program approved clinical/field setting. Includes topics for both EMS 111 and EMS 113, dependent upon the program in which the student is participating and is a co-requisite to both EMS 111 and EMS 113.
Lab 2 hours; 2 hours per week
1 credits

EMS 151 - Introduction to Advanced Life Support

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.

Lecture 3 hours. Laboratory 2 hours. Total 5 hours per week.

4 credits

EMS 152 - Advanced EMT Completion

Continues the Virginia Office of Emergency Medical Services Advanced, Intermediate and/or Paramedic curricula. Includes patient assessment, differential diagnosis and management of multiple complaints. Includes, but are not limited to conditions relating to diabetic, neurological, abdominal pain, environmental, behavioral, gynecology, and toxicological disease conditions. Also includes Advanced EMT level cardiac, trauma and special population topics.

Credits 2. Lecture 1 hour. Lab 2 hours. Total 3 hours per week.

Prerequisite - Current EMT Certification and EMS 151. Co-requisite - EMS 151

2 credits

EMS 153 - Basic ECG Recognition

Focuses on the interpretation of basic electrocardiograms (ECG) and their significance. Includes an overview of anatomy and physiology of the cardiovascular system including structure, function and electrical conduction in the heart. Covers advanced concepts that build on the knowledge and skills of basic dysrhythmia determination and introduction to 12 lead ECG.

Lecture 2 hours per week.

2 credits

EMS 154 - ALS Cardiac Care

Continues the Virginia Office of Emergency Medical Services Intermediate and/or Paramedic curricula. Includes Advanced Life Support (ALS) airway management, electrical therapy, pharmacology, drug and fluid administration with emphasis on patient assessment, differential diagnosis and management of cardiovascular emergencies. It will incorporate

the current American Heart Association (AHA) - ACLS guidelines and curriculum including stroke management.

Credits 2. Lecture 1 hour. Lab 2 hours. Total 3 hours per week.

Pre/Co-requisites: EMS 153.

2 credits

EMS 155 - ALS - Medical Care

Continues the Virginia Office of Emergency Medical Services Intermediate and/or Paramedic curricula. Includes ALS pharmacology, drug and fluid administration with emphasis on patient assessment, differential diagnosis and management of multiple medical complaints. Includes, but are not limited to conditions relating to cardiac, diabetic, neurological, non-traumatic abdominal pain, environmental, behavioral, gynecology, and toxicological disease conditions. Prerequisites: Current EMT-B certification, EMS 151 and EMS 153.

Lecture 3 hours. Laboratory 2 hours. Total 5 hours per week.

4 credits

EMS 157 - ALS - Trauma Care

Continues the Virginia Office of Emergency Medical Services Intermediate and/or Paramedic curricula. Utilizes techniques which will allow the student to utilize the assessment findings to formulate a field impression and implement the treatment plan for the trauma patient. Prerequisites: Current EMT-B certification and EMS 151.

Lecture 2 hours. Laboratory 2 hours. Total 4 hours per week.

3 credits

EMS 159 - ALS - Special Populations

Continues the Virginia office of Emergency Medical Services Intermediate and/or Paramedic curricula. Focuses on the assessment and management of specialty patients including obstetrical, pediatric, and neonates.

2 lecture hours; 2 lab hours; 4 Hours per week

Pre reqs. EMS 151 and EMS 153; Pre or Co-reqs EMS 155

3 credits

EMS 170 - ALS Internship I

Begins the first in a series of clinical experiences providing supervised direct patient contact in appropriate patient care facilities in and out of hospitals. Includes but not limited to patient care units such as the Emergency Department, Critical Care units, Pediatric, Labor and Delivery, Operating Room, Trauma centers and various advanced life support units.

Laboratory 3-6 hours per week.

1-2 credits

1 credit at PDCCC

EMS 172 - ALS Clinical Internship II

Continues with the second in a series of clinical experiences providing supervised direct patient contact in appropriate patient care facilities in and out of hospitals. Includes but not limited to patient care units such as the Emergency Department, Critical Care units, Pediatric, Labor and Delivery, Operating Room and Trauma Centers. Co-requisite: EMS 151.

Laboratory 3-6 hours per week.

1-2 credits

1 credit at PDCCC

EMS 173 - ALS Field Internship II

Continues with the second in a series of field experiences providing supervised direct patient care in out-of-hospital advanced life support units.

Laboratory 3 hours per week.

1 credits

Emergency Medical Technology

EMT 109 - CPR for Healthcare Providers

Provides training in all phases of adult, pediatric, and infant resuscitation procedures. Includes introduction to cardiac pathophysiology and preventive measures. Prepares students for certification by the American Heart Association at the Healthcare Provider Level.

Lecture 1 hour per week.

1 credits