

# Virginia Western Community College

## EMS 111/120

### Emergency Medical Technician

#### **Prerequisites**

- Reading proficiency
- Current American Heart Association (AHA) CPR for healthcare provider certification.
- Criminal background check.
- N-95 Fit test.

#### **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

**Semester Credits: 8 Lecture Hours: 5 Lab/Clinical/Internship Hours: 4**

#### **Required Materials**

##### **Textbook:**

ISBN 9781284243758

##### **Other Required Materials:**

- Computer or tablet with internet access. (available at VWCC library.)
- Student lab package. (available at VWCC bookstore)
- VWCC Uniform shirt
- Dark blue or black uniform pants, black socks, all black shoes/boots (no canvas mesh or soft side shoes), black belt.
- Watch with seconds hand, or digital readout
- VWCC student ID badge.

#### **Course Outcomes**

**At the completion of this course, the student should be able to:**

- To develop the knowledge base and skills required to prepare the student to function as an “entry-level” Emergency Medical Technician (EMT).
- Eligibility to sit for the National Registry of Emergency Medical Technicians Psychomotor Exam
- Eligibility to sit for the National Registry of Emergency Medical Technicians Cognitive Exam

## **Topical Description**

- **EMS Systems - Ch. 1**
- **Workforce Safety and Wellness - Ch. 2**
- **Medical, Legal, and Ethical Issues - Ch. 3**
- **Communications and Documentation Ch. 4**
- **Medical Terminology- Ch. 5**
- **The Human Body - Ch.6**
- **Lab**
  - **Lifting and Moving – Ambulance**
  - **Report Writing Med Legal**
- **Life Span Development – Ch. 7**
- **Lifting and Moving Patients – Ch. 8**
- **The Team Approach to Healthcare – Ch. 9**
- **Patient Assessment – Ch. 10**
- **Airway Management – Ch. 11**
- **Principles of Pharmacology – Ch. 12**
- **Shock - Ch. 13**
- **BLS Resuscitation - Ch. 14**
- **Medical Overview – Ch. 15**
- **Respiratory Emergencies - Ch.16**
- **Cardiovascular Emergencies - Ch.17**
- **Neurologic Emergencies Ch-18**
- **LABS**
- **Gastrointestinal and Urologic Emergencies – Ch. 19**
- **Endocrine and Hematologic Emergencies – Ch. 20**
- **LAB**
- **Allergy and anaphylaxis – Ch. 21 pg.**
- **Toxicology – Ch. 22**
- **Behavioral Health Emergencies – Ch. 23**
- **LAB**
- **Gynecologic Emergencies – Ch. 24**
- **Trauma Overview -Ch.25**
- **Bleeding – Ch. 26**
- **Soft Tissue Injuries – Ch. 27**
- **Face and Neck Injuries –Ch.28**
- **LABS**
- **Head and Spine Injuries -Ch. 29**
- **Chest Injuries -Ch.30**
- **Abdominal and Genitourinary Injuries -Ch. 31**

- **Orthopedic Injuries -Ch. 32**
- **LABS**
- **Environmental Emergencies -Ch. 33**
- **Obstetrics and Neonatal Care -Ch. 34**
- **Pediatric Emergencies -Ch. 35**
- **MCM-I Class**
- **MCM-I Class**
- **LAB**
- **Geriatric Emergencies -Ch. 36**
- **Patients with Special Challenges -Ch. 37**
- **LABS**
- **Review Competency Packets**
- **Transport Operations -Ch. 38**
- **Vehicle Extraction and Special Rescue-Ch. 39**
- **Incident Management -Ch. 40**
- **Terrorism Response and Disaster Management Ch.41**
- **LABS- Skills Stations**
- **LABS- Skills Stations**
- **TEST**
- **Final Exam**
- **LABS- Skills Stations**
- **LABS- Skills Stations**
- **TEST**
- **Labs -Skill Stations -turn in Completed Competency Packets**
- **Review Final Exam**
- **Review Practical & Cognitive**
- **Final Exam**

### **Notes to Instructors**

- **Must maintain 6:1 student to instructor ratio**
- **Consult TPAM for questions regarding instruction of course:**  
<https://www.vdh.virginia.gov/emergency-medical-services/education-certification/documents-forms-downloads/ems-training-program-administration-manual/>