



COURSE SYLLABUS

PO Box 1189
1042 W. Hamlet Avenue
Hamlet, NC 28345
(910) 410-1700
www.richmondcc.edu

COURSE: EMS 110 EMERGENCY MEDICAL TECHNICIAN

HOURS: Lecture: 6 Lab/Shop: 6 Work Exp/Clinical: 3 Credits: 9

COURSE DESCRIPTION:

This course introduces basic emergency medical care. Topics include preparatory, airway, patient assessment, medical emergencies, trauma, infants and children, and operations. Upon completion, students should be able to demonstrate the knowledge and skills necessary to achieve North Carolina State or National Registry EMT certification.

PREREQUISITE(S): None

COREQUISITE(S): (None)

TEXTBOOK(S) & OTHER SPECIAL REQUIREMENTS:

AAOS. Emergency Care and Transportation of the Sick and Injured, 12th ed.
Burlington MA: Jones and Bartlett Learning, 2020
ISBN: 9781284227222

STUDENT LEARNING OUTCOMES:

Upon successful completion of this course, the student will be able to:

1. Describe the purpose of the modern EMS system.
2. List the general responsibilities of an EMT.
3. Describe at least five steps to protect your own safety as an EMT
4. Describe at least five steps to protect your own safety as an EMT
5. Describe the key historical events that have shaped the development of the Emergency Medical Services (EMS) system
6. Describe the EMS physician medical director's primary responsibility.
7. List the goals of quality improvement, and the EMTs role in it.
8. Students will learn the importance of research in emergency medical care and utilize evidence based practice in decision making when appropriate
9. Students will define and describe verbal defusing strategies
10. Students will identify family presence issues.
11. Students will describe different interviewing techniques.
12. Students will define and describe consent, refusal of care, confidentiality, advanced directives, tort and criminal actions, evidence preservation, and statutory responsibilities
13. Students will describe the function and structure of the cardiovascular system and the management of associated cardiovascular emergencies
14. Students will describe and define the function and structure of the respiratory system, and the management of associated respiratory emergencies
15. Students will describe and define medication safety.
16. Students will identify kinds of medications used in an emergency.

17. Students will describe and demonstrate principles of airway assessment
18. Students will learn the principles of ventilation and the use of ventilation adjuncts
19. Students will demonstrate a comprehensive primary and secondary assessment
20. Students will use information gathered from knowledge of pathophysiology, their patient assessment to describe the management of several different types of medical emergencies.
21. Students will demonstrate proficiency in resuscitation techniques like CPR.
22. Students will use information gathered from knowledge of pathophysiology and patient assessment to describe the general management of the trauma patient
23. Students will use information gathered from knowledge of pathophysiology and patient assessment to describe the management of traumatic head, neck and spinal injuries
24. Students will define and describe assessment and treatment priorities in the Trauma Patient with Chest Injuries
25. Students will define and describe assessment and treatment priorities in the Trauma Patient with Abdominal and Genitourinary injuries
26. Students will define and describe assessment and treatment priorities in the Trauma Patient with orthopedic Injuries
27. Students will define and describe assessment and treatment priorities in the Trauma Patient with soft tissue injuries and burns
28. Students will define and describe assessment and treatment priorities in the Trauma Patient with environmental emergencies
29. Students will define and describe assessment and treatment priorities in the pregnant patient
30. Students will define and describe the development, assessment and treatment priorities in the pediatric patient
31. Students will define and describe the development, assessment and treatment priorities in the Geriatric patient
32. Students will define and describe the development, assessment and treatment priorities concerning patients with special challenges
33. Students will define and describe the role of the EMT in Triage and Mass Casualty Incidents

*****Please refer to the online version of the Richmond Community College Program & Course Catalog and the Student Handbook for current academic and general information.**