

Prepared by the Department of Health Sciences
Date of Departmental Approval: January 23, 2009
Date approved by Curriculum and Programs: February 11, 2009

Effective: Fall 2009

1. **Course Number: EMS 101**
Course Title: Emergency Medical Technician: EMT
2. **Description:** This course is designed to train participants to work with existing agencies that provide emergency medical services. Included in these services are first-aid procedures, operation of emergency equipment, and knowledge of communications systems associated with emergency and rescue operations. Students gain knowledge and skills relating to medical and emergency technology within the classroom and laboratory settings. The students are eligible for State and National certification upon successful completion of course and state examination. Special tuition is charged for this course.
3. **Student Learning Outcomes (instructional objectives: intellectual skills):**
Upon successful completion of this course, students are able to do the following:
 - Demonstrate the ability to comprehend, apply, and evaluate the clinical information relative to the role of an entry level Emergency Medical Technician (EMT)
 - Demonstrate technical proficiency in all skills necessary to fulfill the role of an entry- level EMT
 - Demonstrate personal behaviors consistent with professional standards and employer expectations for the entry level EMT
4. **Credits:** 5 credits
5. **Satisfies General Education Requirement:** No
6. **Prerequisite:** None
7. **Semester(s) Offered:** Fall, Spring
8. **Suggested General Guidelines for Evaluation:** Written examinations, laboratory practical skills competency examinations
9. **General Topical Outline (Optional):** See attached content outline

Content Outline for EMS101. Emergency Medical Technician: EMT

1. Introduction to Emergency Care
2. Medical, Legal, and Ethical Issues
3. Record, Reports & Documentation
4. Infection Control
5. Communicable Diseases
6. Bloodborne and Airborne Pathogens
7. Lifting and Moving Patients
8. Baseline Vital Signs and History Taking
9. Assessing the Scene
10. Airway & Respiratory System : Anatomy and Physiology and Airway Management
11. Adjunct Airway Equipment
12. Oxygen Therapy and Equipment
13. Basic Life Support: Part 1: Introduction to CPR/BLS and Resuscitation Techniques
14. Initial Assessment: focused History & Physical Examination– Trauma
15. Initial Assessment: focused History and Physical Examination- Medical
16. Ongoing Examination
17. Respiratory Emergencies : COPD, Asthma
18. General Respiratory Pharmacology
19. Cardiac Emergencies: Anatomy and Physiology of the Cardiovascular System
20. Chest Pain, Heart Attack, and Angina
21. General Cardiac Pharmacology
22. Cardiac Emergencies: SAED Principles and Practices
23. Diabetic Emergencies and Altered Mental States
24. General Diabetic Pharmacology
25. Cerebrovascular Accident (CVA) and Seizures
26. Allergies, Anaphylactic Shock
27. Poisoning
28. General Pharmacology- Poisoning
29. Obstetrics
30. Bleeding and Shock: Bandaging Techniques, PASG/MAST
31. Musculoskeletal Injuries: Anatomy and Physiology of the Musculoskeletal System
32. Overdoses: Drugs and Alcohol
33. Environmental Emergencies
34. Soft Tissue Injuries
35. Anatomy and Physiology of Skin
36. Facial, Throat and Eye Injuries
37. Infant and children
38. Chest and Abdominal Trauma: Anatomy and Physiology of the Chest and Abdomen
39. Head and Skull Injuries: Anatomy and Physiology of the Central Nervous System
40. Treatment of Head Injury
41. Ambulance Operations
42. Gaining Access to the Scene
43. Hazardous Materials and Triage
44. Spinal Injuries: Treatment

Practical Skills Practiced in the Laboratory Setting

- Lifting and Moving
- CPR/BLS Mannequin Practice
- Initial Assessment: History and Physical Trauma and Medical, Communication and Documentation
- Patient Assessment: Bleeding/Shock
- Patient Assessment: Musculoskeletal Care
- Medical Emergencies
- Detailed Physical Examination and Ongoing Physical Examination
- Trauma Skills
- Medical, Obstetric, Behavioral
- Trauma Skills
- Infants and Children