

SYLLABUS PART I  
EDISON STATE COMMUNITY COLLEGE  
EMT 110S EMERGENCY MEDICAL TECHNICIAN  
8 CREDIT HOURS

**COURSE DESCRIPTION**

The Emergency Medical Technician (EMT) certification course covers all areas of emergency and pre-hospital medical care that may be encountered at the scene of accidents and serious illnesses. The course includes competencies demonstrating the role of the Emergency Medical Technician (EMT) in the health care system, rapid skill assessment, data interpretation, and management of illnesses/injuries. Successful completion of this course will allow students to register for the National Registry of Emergency Medical Technicians Exam. A criminal records background check is required prior to admission into the program. Prerequisite: Department approval. Recommended: American Heart Association (AHA) CPR certification. Lab fee.

**COURSE GOALS**

The student will:

Bloom's Level		Program Outcomes
1	1. Define fundamental knowledge of the EMT system; safety/well-being of the EMT; and medical, legal, and ethical issues as they relate to the provision of emergency care.	1,2,3,4
3	2. Apply the fundamental knowledge of the anatomy and function of all human systems to the practice of EMT.	5
2	3. Interpret foundational anatomical and medical terms and abbreviations in written and oral communication with colleagues and other health care professionals.	5
2	4. Explain fundamental knowledge of the pathophysiology of respiration and perfusion to patient assessment and management.	5
2	5. Discuss fundamental knowledge of life span development related to patient assessment and management.	5
2	6. Illustrate simple knowledge of the principles of illness and injury prevention in emergency care.	6
2	7. Relate fundamental knowledge of the medications that the EMT may assist/administer to a patient during an emergency.	6
3	8. Demonstrate knowledge (fundamental depth, foundational breadth) of general anatomy and physiology to patient assessment and management in order to assure a patent airway, adequate mechanical ventilation, and respiration for patients of all ages.	6,7
3	9. Report scene information and patient assessment findings (scene size up, primary and secondary assessment, patient history, and reassessment) to guide emergency management.	5,6,7
3	10. Apply fundamental knowledge to provide basic emergency care and transportation based on assessment findings for an acutely ill or injured patient.	5,6,7
3	11. Apply fundamental knowledge of growth, development, aging, and assessment findings to provide basic emergency care and transportation for a patient with special needs.	7
4	12. Explain the operational roles and responsibilities that ensure safe patient, public, and personnel safety.	7,8

## CORE VALUES

The Core Values are a set of principles that guide in creating educational programs and environments at Edison State. They include communication, ethics, critical thinking, human diversity, inquiry/respect for learning, and interpersonal skills/teamwork. The goals, objectives, and activities in this course will introduce/reinforce these Core Values whenever appropriate.

## TOPIC OUTLINE

1. Preparatory and Public Health
2. Anatomy, Physiology, and Medical Terminology
3. Pathophysiology
4. Life Span Development
5. Airway Management, Artificial Ventilation, and Oxygenation
6. Patient Assessment
7. General Pharmacology and Medication Administration
8. Shock and Resuscitation
9. Medical Emergencies
10. Trauma Emergencies
11. Special Patient Populations
12. EMS Operations
13. ALS- Assist Skills
14. Advanced Airway Management
15. Agricultural and Industrial Emergencies