

SYLLABUS PART I
EDISON STATE COMMUNITY COLLEGE
PAR 120S PARAMEDIC I
12 CREDIT HOURS

COURSE DESCRIPTION

The Paramedic certification course provides information covering emergency and pre-hospital medical care that may be encountered at the scene of accidents and serious illnesses. This course includes competencies demonstrating the role of the paramedic in the health care system, rapid skill assessment, data interpretation, and management of illnesses/injuries. Instruction includes a thorough working knowledge of the human body, report writing and communications, patient assessment, IV and medication administration, and pharmacology. Treatment and stabilization procedures include basic and advanced airway adjuncts, and the recognition and treatment of respiratory and cardiac emergencies. An FBI/BCI criminal records background check is required prior to admission into the program. Prerequisite: BIO 124S, Emergency Medical Technician (EMT) certification, and department approval. Recommended: American Heart Association (AHA) CPR certification.

COURSE GOALS

The student will:

Bloom's Level		Program Outcomes
1	1. Demonstrate fundamental knowledge of human anatomy and the function of all systems relevant to paramedic practice.	3, 4, 5
3	2. Use accurate anatomical and medical terms and abbreviations in written and oral communication with colleagues and other health care professionals.	1, 3, 5, 6
2	3. Explain fundamental life span development as it is related to patient assessment and management.	1, 3, 5, 6, 8
3	4. Demonstrate fundamental knowledge of the medications that the paramedic may assist/administer to a patient during an emergency.	1, 2, 4, 5, 6, 7
2	5. Associate appropriate emergency medications with diagnosed emergency situations.	1, 2, 4, 5, 7
2	6. Explain basic knowledge of the principles of illness and injury prevention in emergency care.	4, 5
3	7. Demonstrate knowledge (fundamental depth, foundational breadth) of general anatomy and physiology needed to assess and manage a patient airway, adequate mechanical ventilation, and respiration for patients of all ages.	4, 5, 6, 7, 8, 9
3	8. Demonstrate fundamental knowledge of respiratory emergency treatment based on assessment findings for an ill or injured patient.	4, 5, 8
1	9. Identify fundamental knowledge of basic and 12-lead cardiology EKG machines.	4, 5, 7
3	10. Illustrate advanced cardiac life support procedures utilized by paramedics.	1, 4, 5, 7

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. Anatomy, physiology, and medical terminology
2. Life span development
3. Pharmacology
4. Medication administration
5. Emergency medications
6. Airway management, artificial ventilation, and oxygenation
7. Respiratory emergencies
8. Cardiologic emergencies