

SYLLABUS PART I  
EDISON STATE COMMUNITY COLLEGE  
PAR 120S PARAMEDIC I  
13 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. The 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, pharmacology, basic and advanced airway adjuncts, and recognition and treatment of respiratory emergencies. An FBI/BCI criminal records background check is required prior to admission into the program. Prerequisite: 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. Identify the fundamental knowledge of the anatomy and function of all human systems to the paramedic practice.	3, 4, 5
3	2. Demonstrate foundational 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 knowledge of life span development related to patient assessment and management.	1, 3, 5, 6, 8
3	4. Relate 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 emergency medications with individually 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 to patient assessment and management in order to assure a patent airway, adequate mechanical ventilation, and respiration for patients of all ages.	4, 5, 6, 7, 8, 9
3	8. Classify fundamental knowledge of respiratory emergency treatment based on assessment findings for an ill or injured patient.	4, 5, 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. 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