

Prepared by the Department of Health Sciences

Date of Departmental Approval: January 27, 2017

Date Approved by Curriculum and Programs: March 8, 2017

Effective: Fall 2017

1. **Course Number:** EMS203  
**Course Title:** **Advanced Pre-hospital Training Program: Paramedic I**
2. **Description:** This course covers the roles and responsibilities of the EMT/Paramedic including history and physical assessment, pathophysiology and management of shock, cardiac, respiratory, neurological, and abdominal emergencies. Class includes an overview of emergency medical services communication systems. Students must be currently certified as an EMT. Laboratory experience is interwoven with classroom instruction. Applicants are required to attend an information session. Class extends beyond usual semester dates. Special tuition is charged.
3. **Student Learning Outcomes (instructional objectives: intellectual skills):**
  - Describe the roles and responsibilities of a Paramedic within the EMS system
  - Apply the basic concepts of development, pathophysiology, and pharmacology to assessment and management of emergency patients
  - Administer medications safely and accurately within protocols
  - Use appropriate interpersonal techniques to communicate effectively with patients, patients' significant other(s), colleagues, other health team members, and community members
  - Describe legal and ethical issues that relate to decisions made in the out of hospital environment:
    - Identify strategies to maintain personal wellness and deal effectively with the stress
    - Safely and precisely access venous circulation and administer fluids and medications
  - Accurately and safely establish and/or maintain a patent airway and be able to oxygenate, and ventilate a patient
  - Document a proper history and perform a comprehensive physical examination, and communicate the findings to others according to standards
  - Integrate pathophysiological and psychosocial principles to adapt the assessment and treatment plan for diverse patients who face physical, mental, social, and financial challenges
4. **Credits:** 10 credits
5. **Satisfies General Education Requirement:** No
6. **Prerequisites:** ENL025 (Reading & Writing Essentials) and MAT 025 (Prealgebra) or satisfactory basic skills assessment scores
7. **Semester(s) Offered:** Fall
8. **Suggested General Guidelines for Evaluation:**

This course allows for the learning process to take place through attendance and participation in the following cognitive and psychomotor aspects:

  - Case based learning/ Team member and Team leader development; formative and summative based scenarios
  - Quizzes/ Examinations
9. **General Topical Outline (Optional):** Attached.

EMS201 Advanced Pre-Hospital Training Program: Paramedic I  
Content Outline

1. Role And Responsibilities Of The EMT/Paramedic
2. The EMS System
3. HIPPA: Orientation And Training
4. SARF Documentation Techniques
5. Critical Incident Stress Management
6. Human Anatomy And Physiology: Systems Overview
7. Medical Terminology
8. Medical – Legal- Ethical Considerations For The EMT/Paramedic
9. Patient Assessment
10. Therapeutic Communication
11. Clinical Decision-Making Skills
12. Assessment-Based Patient Care Management
13. Shock And Fluid Therapy
14. Intravenous Therapy And Fluid Therapy Procedures
15. Obstetrical/Gynecological Emergencies
16. The Respiratory System: Acid-Base Balance
17. The Respiratory System: Airway Management Procedures, Airway Adjuncts, Mechanical Aids To Resuscitation, Airway Tubes Including Endotracheal Tube, King LT, Combi-Tube, LMA, and Nasogastric Orogastic Tube, Intubation Procedures
18. Patients With Psychiatric/Behavioral Problems
19. Drug Calculations And Medication Formats
20. General Pharmacology
21. Medication Administration Skills
22. Pre-Hospital Trauma Life Support Competencies