Prepared by the Department of Health Sciences
Date of Departmental Approval: December 20, 2009
Date approved by Curriculum and Programs: January 25, 2010 Effective: Fall 2010

1. **Course Number:** **EMS202 / EMS602**
   Course Title: **Advanced Pre-Hospital Training Program: Paramedic II**
   Paramedic Clinical Field Experience

2. **Description:** Participants learn assessment and management of emergencies and obstetrics, gynecology, trauma, pediatrics, adolescent medicine, and geriatrics. Students perform skills under the supervision of a clinical preceptor in a variety of clinical sites, including critical care units, operating rooms, emergency departments, pediatric intensive care units, labor and delivery rooms, and psychiatric units. Students respond to emergency medical service calls and perform paramedic skills as part of an advanced life support ambulance crew under the supervision of a field preceptor. Special tuition is charged for this course.

3. **Student Learning Outcomes:**
   Upon successful completion of this course, students are able to do the following.
   - Integrate pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan for a trauma patient
   - Integrate pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan for a medical patient
   - Integrate pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan for neonatal, pediatric, and geriatric patients, diverse patients, and chronically ill patients
   - Integrate pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan for patients with common complaints
   - Safely manage the scene of an emergency including effective ground and air transport, general incident management, and multiple casualty incident management

4. **Credits:** Eight credits

5. **Satisfies General Education Requirement:** No

6. **Prerequisite:** EMS201

7. **Semester(s) Offered:** Spring

8. **Suggested General Guidelines for Evaluation:** Unit written examinations and skills practical examinations and a final written and practical comprehensive examination.

9. **General Topical Outline:** Attached

Content Outline
EMS202 Advanced Pre-hospital Training Program: Paramedic II
EMS602 Paramedic Clinical Field Experience

Trauma Management
- Assessment Skills
- Shock Management Skills
- Airway Management Skills
- Extremity Trauma Skills
- Burn Management
- Spinal Injury Management

Cardiovascular System
- Electrical Therapies
- EKG Interface
- EKG Skills: Static and Dynamic Skill Practice
- Cardiac Monitoring Scenarios
- Static and Dynamic Scenarios
- Cardiac Pharmacological Intervention Skills
- 12 Lead EKG Interpretation and Diagnosis
- ACLS Preparation
- Interactive Cardiac Patient Management Scenarios

Pediatric Emergencies
- Developmental Stages in Children
- Pediatric Assessment Guidelines
- Pediatric Trauma Overview
- Pediatric Medical Emergencies

Central Nervous System (CNS)
- CNS Assessment techniques
- P.A.S.G. Review
- Long Spine Board Skills
- Short Spine Board Skills: KED Immobilization
- Extremity Splinting
- Soft Tissues

Burn Pathophysiology
- Burn Patient Management

Musculoskeletal Injuries

Medical Emergencies
- Endocrine
- Anaphylaxis
- Alcoholism and Drug Abuse
- Toxicological Emergencies
- Geriatric Emergencies
- Acute Abdominal Problems

Medical Patient Evaluation Formats

Mass Casualty Incident Response
- The START Triage System
- Incident Command Principles
- Rescue Awareness and Operations

Telemetry and Communications Procedures

Introduction to Hazardous Materials

ACLS Review