

## **Emergency Medical Services (EMS)**

### **EMS 248 Emergency Medical Responder**

4 hours

Prerequisite: None

5 hours weekly (3-2)

This course is an introduction to the Emergency Management Services programs. Students will participate in patient assessment education and evaluation.

### **EMS 250 Paramedic I**

12 Hours

Prerequisites: EMT 111 or equivalent, ALH 101 or valid CPR-Healthcare Provider Card

14 hours weekly (10-4)

This course expands on the basic EMT level material in the areas of medical, legal, moral, and ethical responsibilities, and human anatomy and physiology. Patient assessment will be comprehensive and evoke critical thinking concepts. Anatomy and physiology will be covered in preparation for EMS 251. Students must meet all health requirements to participate in clinical and internship activities.

### **EMS 251 Paramedic II**

9 Hours

Prerequisites: EMS 250, ALH 101 or valid CPR-Healthcare Provider Card, current Illinois EMT-Basic or EMT-Intermediate

11 hours weekly (7-4)

This course introduces students to the anatomy and physiology of the cardiovascular system, emphasizing the structure, function, and electrical conduction system of the heart, and the pathophysiology and emergency management of the cardiovascular system. The student will study the EKG interpretation and

treatment of various arrhythmias and specific treatment techniques, including CPR, EKG, monitoring, defibrillation and cardioversion. The student will also study and show proficiency in advanced airway techniques and demonstrate an understanding of pharmacology and medications administered by the paramedic.

### **EMS 251A Paramedic II Clinical**

3 hours

Prerequisite: A valid CPR Healthcare Provider Card, current Illinois EMT-Basic, EMS 250 and concurrently enrolled in EMS 251.

12 hours weekly (0-12)

This course is designed to present the expected medical objectives of EMS 251 in a supervised work environment. This course will also expose the student to patient care skills they will utilize while working as a paramedic, under appropriate supervision.

### **EMS 252 Paramedic III**

9 Hours

Prerequisites: EMS 250 and EMS 251, valid CPR-Healthcare Provider Card, current Illinois EMT-Basic or EMT-Intermediate

11 hours weekly (7-4)

This course is a continuation of EMS 251 covering advanced body systems. The student will first learn the management of hemorrhage in the patient followed by shock and its effects on body systems, and how the nervous system relates to trauma and medical emergencies. The student will also explore additional body systems including endocrine, gastrointestinal, and integumentary.

### **EMS 252 A Paramedic III Clinical**

3 Hours

Prerequisite: Prerequisite: EMT 111, ALH 101, EMS 250, EMS 251, EMS 251A, or equivalents. Concurrent enrollment in EMS 252.

This course is designed to present the expected medical objectives of EMS 252 in a supervised work environment. This course will also expose the student to patient care skills they will utilize while working as a paramedic, under appropriate supervision.

### **EMS 253 Paramedic IV**

9 Hours

Prerequisites: ALH 101, EMS 252, EMS 252A

11 hours weekly (7-4)

This course is a continuation of EMS 252 that will expand into specific types of patients and special circumstances in EMS. Students will learn about hematology, infectious diseases, patients with behavioral and/or psychiatric disorders, physical disabilities, pediatrics, and geriatrics, with special emphasis on personal safety and patient care. Students will also learn techniques of emergency childbirth, be able to identify obstetrical emergencies, respond to hazardous emergencies and explain the incident command system.

### **EMS 253 A Paramedic IV Internship**

3 Hours

Prerequisite: EMT 111, ALH 101, EMS 250, EMS 251, EMS 251A, EMS 252, EMS 252A or equivalents. Concurrent enrollment in EMS 253

12 hours weekly (0-12)

This course is designed to present the expected medical objectives of EMS 253 in a supervised work environment. This course will also expose the student to patient care skills they will utilize

while working as a paramedic, under appropriate supervision.

### **EMS 255 Paramedic Professional Development**

0.5-4.0 Hours

Pre-requisite: EMS 251, EMT 114 or equivalent

Hours weekly: Variable

This course is designed to meet professional development requirements for existing EMT Intermediates and Paramedics. All topics in the paramedic courses will be presented during the course.