

Emergency Medical Services (EMS)

EMS 250 EMS Intermediate Training I

10 Hours

Prerequisites: EMT 111 or equivalent, valid CPR card

14 hours weekly (8-6)

This course expands on the basic EMT level material in the areas of medical, legal, moral, and ethical responsibilities, and human anatomy and physiology. Trauma patient assessment is stressed utilizing BTLs standards. The student will be given advanced training in the pathophysiology and management of shock utilizing MAST and intravenous therapy. Respiratory system anatomy and physiology and diseases, injury, and other dysfunctions will be studied as well as advanced airway management techniques, including use of EOAs, EGTAs, and endotracheal intubation. Students must show evidence of appropriate inoculations.

EMS 251 EMS Intermediate Training II

10 Hours

Prerequisites: EMS 250 or EMT-I certification with successful completion of a written proficiency exam, and a practical plus 64 additional clinical hours in surgery and intubation practice

14 hours weekly (8-6)

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. Students are also taught the anatomy and physiology of the nervous system and management of soft tissue disorders.

EMS 252 Paramedic III

12 Hours

Prerequisites: EMS 250 and EMS 251, current CPR certification

20 hours weekly (8-12)

This course is a continuation of EMS 250 and 251 and expands the EMT's knowledge base by including anatomy and physiology, assessment skills, advanced pharmacology and advanced airway skills. The student will be taught clinical decision-making skills as well. The Paramedic III course is

offered at JALC in conjunction with Heartland Region EMS System (Heartland Regional Medical Center) and the Southern Illinois Regional EMS System (Memorial Hospital of Carbondale). Clinical experience will be obtained at Memorial Hospital of Carbondale and Jackson County Ambulance Service or Heartland Regional Medical Center, Lake of Egypt Fire Protection District, and Johnson County Ambulance Service. Other clinical sites must be cleared through the course instructor.

EMS 253 Paramedic IV

12 Hours

Prerequisites: EMS 252 or equivalent

20 hours weekly (8-12)

This course is a continuation of the EMS 252 course, and expands the EMT's knowledge base by including information in cardiology, pulmonology and assessment skills. Advanced pharmacology for the cardiac and pulmonary patient will be taught as well as care for the acute chronic patient, pediatric patient and patient care in gynecology, obstetrics, and neonatology. The Paramedic IV course is provided under the direction of Heartland Regional EMS System (Heartland Regional Medical Center) and the Southern Illinois Regional EMS System (Memorial Hospital of Carbondale). Didactic training is conducted at John A. Logan College. Clinical experience will be obtained at Memorial Hospital of Carbondale and Jackson County Ambulance Service or Heartland Regional Medical Center, Lake of Egypt Fire Protection District, and Johnson County Ambulance Service. Other clinical sites must be cleared through the course instructor.