

## EMS — Emergency Med Services

### EMS 104 Emergency Care I 6-3-7

This course is a study of the preparatory, pharmacology, airway management, patient assessment, trauma and shock modules as it relates to the provision of pre-hospital emergency medical care to critically ill and injured patients.

### EMS 109 Emergency Care II 6-3-7

**Prerequisites:** EMS 104  
**Corequisites:** EMS 212

This course is a study of medical emergencies, operations, pediatrics and other special populations as it relates to the provision of pre-hospital emergency medical care to critically ill and injured patients.

### EMS 115 Intl Trauma Life Support 1-0-1

**Prerequisites:** EMS 109 and EMS 212  
**Corequisites:** EMS 119, EMS 150, EMS 223, BIO 112

This course is designed to educate the experienced pre-hospital healthcare provider in dealing with critically injured trauma patients in an emergency setting. An understanding of trauma care equipment, basic trauma-related and assessment skills are necessary. Currently accepted guidelines for international trauma care will be followed.

### EMS 116 Adv Cardiac Life Support 0-3-1

**Prerequisites:** EMS 115 and EMS 119 and EMS 150 and EMS 223  
**Corequisites:** EMS 224, EMS 230, EMS 238

This course is designed to educate the experienced healthcare provider in dealing with critical cardiac patients in an acute, emergency setting. An understanding of cardiac equipment, basic pharmacology and cardiovascular function is necessary. Current American heart association guidelines will be followed.

### EMS 117 Pediatric Adv Life Support 1-0-1

**Prerequisites:** EMS 116 and EMS 230 and EMS 224 and EMS 238  
**Corequisites:** EMS 118, EMS 240, EMS 241, EMS 248, EMS 272

This course is designed to educate the experienced healthcare provider in dealing with critical pediatric patients suffering from acute cardiac and respiratory problems in an emergency setting. An understanding of cardiac equipment, basic pharmacology and cardiovascular function is necessary.

### EMS 118 Adv Medical Life Support 1-0-1

**Prerequisites:** EMS 116 and EMS 230 and EMS 224 and EMS 238  
**Corequisites:** EMS 117, EMS 240, EMS 241, EMS 248, EMS 272

This course is designed to present students with a practical method for the management of adult patients suffering from various medical emergencies. Students will be provided with the practical knowledge and skills to effectively manage on-scene, adult medical emergencies.

### EMS 119 Emergency Medical Services Ope 2-0-2

**Prerequisites:** EMS 109 and EMS 212  
**Corequisites:** EMS 150, EMS 115, EMS 223, BIO 112

This course is a multi-faceted approach to theory of EMS operations. Topics include expanded provider roles, EMS systems overview, medical/legal aspects, theory of ambulance operations, mass casualty incident management, rescue awareness, crime scenes, terrorism, and weapons of mass destruction.

### EMS 150 Intro to Advanced Care 4-3-5

**Prerequisites:** EMS 109 and EMS 212  
**Corequisites:** EMS 119, EMS 115, EMS 223, BIO 112

This course covers advanced care preparatory material, trauma, advanced airway material, and shock management.

### EMS 212 EMS Field Internship 0-6-2

**Prerequisites:** EMS 104  
**Corequisites:** EMS 109

This course includes experiences with advanced life support emergency medical services.

### EMS 223 Paramedic Clinical I 0-6-2

**Prerequisites:** EMS 109 and EMS 212  
**Corequisites:** EMS 115, EMS 119, EMS 150, BIO 112

This course includes hospital clinical experiences in many areas, such as the emergency center, surgery, labor and delivery, and pediatric centers.

### EMS 224 Paramedic Clinical II 0-6-2

**Prerequisites:** EMS 115 and EMS 119 and EMS 150 and EMS 223  
**Corequisites:** EMS 116, EMS 230, EMS 238

This course is a study of emergency medical care procedures for the paramedic provider, including concepts and skills related to medical emergencies. Emphasis is on pathophysiology and treatment modalities related to the major systems of the body such as the respiratory and cardiovascular systems. This course includes compressed content from EMS 213.

### EMS 230 Adv Emergency Medical Care I 3-6-5

**Prerequisites:** EMS 115 and EMS 119 and EMS 150 and EMS 223  
**Corequisites:** EMS 116, EMS 224, EMS 238

This course provides an introduction to pre-hospital pharmacology and cardiology as they relate specifically to patient care. Emphasis is placed on the appropriate methods for patient physical exams and solicitation of medical history to maximize patient outcomes.

**EMS 238 Paramedic Ambulance Fld Exp I 0-9-3**

**Prerequisites:** EMS 115 and EMS 119 and EMS 150 and EMS 223

**Corequisites:** EMS 116, EMS 230, EMS 224

This course introduces the concept of emergency medical care in the E-911 ambulance setting.

**EMS 240 Adv Emergency Medical Care II 3-6-5**

**Prerequisites:** EMS 116 and EMS 230 and EMS 224 and EMS 238

**Corequisites:** EMS 117, EMS 118, EMS 241, EMS 248, EMS 272

This course is a study of complex recurring emergency medical conditions that encompass all stages of the patient's life span.

**EMS 241 Paramedic Clinical III 0-6-2**

**Prerequisites:** EMS 116 and EMS 230 and EMS 224 and EMS 238

**Corequisites:** EMS 117, EMS 118, EMS 240, EMS 248, EMS 272

This course is an advanced clinical experience and provides an overview of holistic patient care from the point of entry into the emergency department until patient discharge.

**EMS 248 Paramedic Amb Field Exp II 0-6-2**

**Prerequisites:** EMS 116 and EMS 230 and EMS 224 and EMS 238

**Corequisites:** EMS 117, EMS 118, EMS 240, EMS 241, EMS 272

This course will emphasize the knowledge and skills of emergency care in an E-911 ambulance setting. Focus is on the student and their ability to apply classroom knowledge during an emergency situation while treating a wide variety of patients.

**EMS 272 Paramedic Capstone 0-12-4**

**Prerequisites:** EMS 116 and EMS 230 and EMS 224 and EMS 238

**Corequisites:** EMS 117, EMS 118, EMS 240, EMS 241, EMS 248

This course provides the opportunity for the student to function as a team leader in a 911 response agency by managing and accounting for all aspects of the emergency scene and patient care.