

# EMERGENCY MEDICAL CARE

BACHELOR'S DEGREE / ASSOCIATE DEGREE / CERTIFICATION



## PROGRAM OVERVIEW

Paramedics are healthcare providers and public safety officials who deliver critical patient care at the scene of injury and illness and while transporting patients between healthcare facilities. Paramedics intubate, administer complex medications, shock hearts, interpret blood gas measurements, program mechanical ventilators, deliver babies, cut people out of mangled vehicles, perform confined space and high-angle rescues, manage disaster scenes, and provide healthcare for a wide range of illnesses. Paramedics are specialists in pre-hospital and interfacility medicine.

## CAREER OPPORTUNITIES

Paramedic  
EMS Supervisor/Administrator  
Flight Paramedic  
Emergency Medical Technician  
Medical School  
Physician's Assistant

## DEGREE OPTIONS

- Emergency Services Administration Option**  
For students interested in a career within Emergency Medical Services. Become a paramedic and also learn the skills to become an EMS administrator.
- Clinical/Fire & Safety Option**  
For students interested in working in a combined fire/EMS setting. Includes courses from fire & safety degrees as well as emergency medical care courses.
- Paramedic/Science Option**  
For students interested in becoming a paramedic and/or moving further into the medical field. This option meets the requirements for Physician Assistant & medical schools.

# EMERGENCY MEDICAL CARE

## Bachelor's Degree

120 Credit Hours

**37 hrs** - Gen. Ed. / Univ. Req.

**39 hrs** - EMC Core

**20-32 hrs** - Supporting Course Req.

**12-24 hrs** - Free Electives

\* Licensed paramedics seeking to complete their degree should contact the EMC coordinator directly.

## Associate Degree

64 Credit Hours

**19 hrs** - Gen. Ed. / Univ. Req.

**39 hrs** - EMC Core / Supporting Courses

**6 hrs** - Free Electives

\* Includes coursework necessary to become a licensed paramedic

## Certifications

- EMT Certification (7 credit hours)
- Pediatric Advanced Life Support
- Advanced Cardiac Life Support
- Pre-Hospital Life Support
- Advanced Medical Life Support

\*EMC 104 & 110/L can be waived if students already have EMT certification

### EMC 104 - Healthcare Basic Life Support

Basic cardiac life support skills for healthcare student or professional in accord with peer-reviewed American Heart Association (AHA) scientific guidelines.

### EMC 110/L - Introduction to Emergency Medical Care

Pre-hospital basic life support concepts, skills and field clinical experience for entry level Emergency Medical Technician- Basic adhering to national curricula. Meets eligibility requirements for state certification and national registration examinations.

### EMC 115 - Basic Clinical/Field Experience

Minimum of 62 hours supervised hospital emergency department and pre-hospital emergency care ambulance clinical experience. Preceptor evaluates basic life support knowledge and skills.

### EMC 300 - Emergency Operations & Behavioral Crisis

Introduction to the emergency medical field. Topics include legal and ethical issues; infection control; disaster preparedness; and recognition and care of patients with behavioral emergencies.

### EMC 303 - Introduction to Cardiology

Introduction to prehospital electrocardiography and use and classification of pharmacological agents.

### EMC 305 - Prehospital Management of OB/GYN/Pediatric Emergencies

Pathophysiology and advanced level assessment and management of OB, GYN, and pediatric patients.

### EMC 310 - Advanced Cardiology

Advanced diagnostics, interventions and management of cardiovascular emergencies to include cardiac resuscitation adhering to the standards of the American Heart Association. AHA ACLS provider required for course completion.

### EMC 320 - Advanced Life Support: Trauma

Pre-hospital management of complex patients with multiple systems failure secondary to trauma related pathologies.

### EMC 335 - Advanced Life Support: Medical Emergencies I

Pathophysiology and advanced level pre-hospital management of emergencies of the respiratory, cardiovascular, endocrine, nervous, gastrointestinal, genitourinary and reproductive systems.

### EMC 340 - Advanced Life Support: Medical Emergencies II

Pathophysiology and advanced level pre-hospital management of emergencies involving anaphylaxis, toxicology, alcoholism, drug abuse, infectious diseases, environmental hazards and pediatric and geriatric patients.

### EMC 342 - Advanced Clinical I

Integration of basic and advanced life support concepts and psychomotor skills in patient care situations developed through supervised assignments in various hospital settings.

### EMC 352 - Advanced Clinical II

Hospital assignments allow continued development and application of cognitive and psychomotor skills in critical situations. Autonomous decision-making skills developed under supervision through increased participation in patient care.

### EMC 352L - Advanced Clinical I Lab

Hospital assignments allow continued development and application of cognitive and psychomotor skills in critical situations. Autonomous decision-making and critical thinking skills in clinical situations developed under supervision through increased participation in patient care.

### EMC 360 - Advanced Field Internship I

Minimum of 120 hours supervised experience on paramedic ambulance. Progresses from advanced emergency care delivery observation to beginning team member responsibilities.

### EMC 362 - Advanced Field Internship II

Continuation of supervised experience on advanced life support ambulance. Assumes team member role with progression to team leader. Minimum advanced internship experience requires 500 hours.

### EMC 400 - Emergency Care Systems Management

EMS systems design and typical agency divisions, including operations, communications, training and customer service. Projects focus on system design, training and efficiency.

### EMC 489 - Introduction to Research Methods

Introduction to basic research methods for professionals in emergency services and public agency practitioners and educators. This includes foundational principles of statistical analyses and application, as well as human subjects protections.

Information based on EKU's 2021/2022 course catalog and is subject to change.



Commission on Accreditation  
of Allied Health Education Programs



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