

# Emergency Medicine Courses (EM)

## EM Courses

This is a list of courses with the subject code EM. For more information, see Emergency Medicine (Carver College of Medicine) in the catalog.

- EM:8301 Core Emergency Medicine** 2 s.h.  
Participation in direct patient care as part of a care team during emergency medicine clinical shifts; opportunity to perform supervised bedside procedures and call consults. Requirements: MD enrollment.
- EM:8401 Advanced Life Support** 4 s.h.  
Experience managing acute threats to life—including trauma, respiratory failure, poisoning, sepsis, stupor/coma, and acute myocardial infarction (MI)—using Advanced Cardiovascular Life Support (ACLS) and Pediatric Advanced Life Support (PALS) courses and clinical manikin work with EMS staff. Requirements: completion of MD core clerkship year.
- EM:8402 Emergency Medicine UIHC** arr.  
Preceptorship with residents and faculty; emphasis on principles of acute medicine; clinical shifts, case conferences, simulations, exams.
- EM:8403 Wilderness Medicine** 4 s.h.  
Didactic and scenario training in physiology, diagnosis, and emergency treatment of heat- and cold-related illnesses, high altitude disorders, wilderness trauma, envenomations, and immersion injuries. Taught in wilderness areas. Requirements: completion of MD third year.
- EM:8404 Emergency Medicine: St. Luke's, Cedar Rapids** 4 s.h.  
Preceptorship with full-time emergency department physicians; clinical shifts, case conferences, simulations, exams.
- EM:8405 Rural Emergency Medicine at Burlington, Iowa** 4 s.h.  
In-depth clinical experience in a busy rural hospital emergency department under supervision of residency-trained emergency physicians; lectures, skill labs, projects.
- EM:8406 Emergency Medicine Des Moines** 4 s.h.  
Participation in acute emergency care, management of acute illnesses, follow-up care when possible; Broadlawns Hospital, Des Moines.
- EM:8407 Emergency Medicine Waterloo** 4 s.h.  
Participation in acute emergency care, management of acute illnesses, follow-up care when possible; Covenant Medical Center, Waterloo.
- EM:8409 Introduction to Advanced Life Support** 2 s.h.  
Intensive program providing basic training in life support skills, experience in procedures common to inpatient hospital environment, and practice with simulated critical care scenarios; lectures, small group discussions, procedure labs, high-fidelity simulations, and self-directed online learning; students become certified in Advanced Cardiac Life Support (ACLS).
- EM:8410 Medical Toxicology Sioux City** 2,4 s.h.  
Clerkship at the Iowa Poison Control Center; intense introduction to breadth and depth of medical toxicology; students work independently and concentrate on many different areas and interests; work with a multidisciplinary team of nurses, pharmacists, and physicians; activities may include reviewing and presenting active poisoned patient cases during daily rounds and opportunities to see toxicology patients at bedside; preparation and short presentation in any area of medical toxicology. Requirements: MD enrollment.
- EM:8411 Medical Toxicology UIHC** 2,4 s.h.  
In-depth introduction to medical toxicology; how to recognize and treat various toxidromes and the most common toxicologic exposures; initial management steps for life-threatening toxicologic exposures; focus on basics of pathophysiology and pharmacology to understand how drugs affect patients, and critical assessment of laboratory and other data obtained on the poisoned patient.
- EM:8412 Emergency Medicine Unity Point Des Moines** 4 s.h.  
Clinical shifts in emergency department and emergency medicine related didactics; advanced cardiovascular life support (ACLS), airway management, calling a consult/communication, chest pain, toxicology, trauma, sepsis, ultrasound, febrile infant, headache, and psychobehavioral disorders.
- EM:8413 Emergency Medicine Genesis Davenport** 4 s.h.  
Clinical shifts in emergency department and emergency medicine related didactics; advanced cardiovascular life support (ACLS), airway management, calling a consult/communication, chest pain, toxicology, trauma, sepsis, ultrasound, febrile infant, headache, and psychobehavioral disorders.
- EM:8497 Research in Emergency Medicine** arr.  
Medical research, clinical or laboratory projects; individual study.
- EM:8498 Emergency Medicine On Campus** arr.  
Advanced knowledge, skills, and tools applied under supervision in a clinical setting.
- EM:8499 Emergency Medicine Off Campus** arr.  
Preceptorship with residents and faculty; emphasis on principles of acute medicine; Liaison Committee on Medical Education (LCME) accredited off-campus site. Requirements: completion of MD third year and approval from UIHC Emergency Medicine clerkship director.