

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.