

# EMERGENCY MED TRAINING (EMT) (EMT)

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## **EMT 100 Cardiopulmonary Resuscitation 1 cr**

Cardiopulmonary Resuscitation (CPR) emphasizes the scope and magnitude of cardiovascular disease, causes of sudden death, and the effects of prudent heart living as a tool to reduce risk factors associated with cardiovascular disease. The skills component identifies and measures competence in one-person CPR, two-person CPR, infant and child CPR, and management of airway obstruction. Course completion cards are issued by the American Heart Association.

## **EMT 110 First Responder 3 cr**

A skills approach in helping the student to intervene in any medical or traumatic emergency situation before the emergency personnel arrive. Emphasis is placed on care of the airway, CPR, control of bleeding, splinting and bandaging, AED use, and overall management.

## **EMT 200 Basic Emergency Care 6 cr**

Includes all required modules of the 1994 EMT Basic National Standard Curriculum. Assessment of patients, airway management, AED use, hemorrhage control, management of fractures, care of special injuries, emergency childbirth, environmental emergencies, transportation of the sick and injured, and radio communications.

## **EMT 205 Basic Emergency Clinic Intern 1 cr**

Pre-hospital care and transportation of the sick and injured using principles of basic life support, correlated with emergency room experience. Time distributed between emergency room, ambulance, communications center, and interfacility transport vehicle.

## **EMT 206 Basic Skills Lab 1 cr**

Basic Emergency Medical Technician Skill Practicum. Designed to allow Basic EMT students extensive practice of required psychomotor skills.

## **EMT 210 Medical Terminology 3 cr**

Medical vocabulary including prefixes, suffixes and their etymological derivation. Proper pronunciation stressed as well as logic, grammar, and spelling.

## **EMT 255 Hazardous Environment Managment 3 cr**

Theory behind management of hazardous environment emergencies with some application of theory in a practical setting. Instruction on chemical and physical nature of hazardous materials relative to control of emergency situations involving chemical spills.

## **EMT 290 Special Topics - 1-3 cr**

Selected topics in Emergency Medical Services and Emergency Response Training. May be repeated for credit when course content varies.

## **EMT 310 Human Systems-Disease Process 3 cr**

An overview of the human body and its systems. Emphasis is placed on the understanding of the functions of human systems and subsystems. Includes concepts of pathophysiology included in the 1998 DOT Paramedic Curriculum.

## **EMT 315 EMS Pharmacology I 3 cr**

Introduction to pharmacology for the EMS professional. Includes drug classification, dosage calculations, routes and methods of administration, and IV access.

## **EMT 321 Advanced EMT 6 cr**

This course includes theoretical concepts and competencies outlined in the National EMS Education Standards for Advanced EMT's. Major topical areas include EMS Operations, Airway Management, Assessment and Management of the Medical and Trauma Patient, Pharmacology for the A-EMT, Public Health and Life Span Development, among others.

**Prerequisite:** EMT 200 Minimum Grade of B and EMT 210 (may be taken concurrently) Minimum Grade of B and EMT 310 (may be taken concurrently) Minimum Grade of B or (BMD 114 Minimum Grade of C or BLY 151 Minimum Grade of C or CLS 114 Minimum Grade of C) and (BMD 115 (may be taken concurrently) Minimum Grade of C or BLY 152 (may be taken concurrently) Minimum Grade of C or CLS 115 (may be taken concurrently) Minimum Grade of C)

**Corequisite:** EMT 361, EMT 371

## **EMT 335 Essentials of Paramedicine 3 cr**

Preparatory course for ALS EMS students. Includes airway management, EMS Systems, therapeutic communications, responsibilities, injury prevention, and legal issues.

## **EMT 340 Introduction to EMS Cardiology 3 cr**

Rhythm interpretation in Lead II EKG. Rapid recognition, defibrillation and therapeutic management of potentially lethal rhythms and myocardial infarction. Twelve lead placement and basic recognition.

## **EMT 345 EMS Pharmacology II 3 cr**

Advanced course with emphasis on specific drugs within classifications, drug names, actions, indications, contraindications, side effects, precautions, dosages, clinical applications and listings of prescriptions and over-the-counter medications.

## **EMT 350 Patient Assessment-Management 3 cr**

Includes history taking, physical examination, clinical decision making, communications, documentation and assessment based management of medical and trauma patients.

## **EMT 355 Paramedic Emergency Care I 3 cr**

Includes pulmonary and cardiology, including ACLS. Additional modules may be added in accordance with State and Department of Transportation guidelines.

## **EMT 361 Advanced EMT Skill Lab 1 cr**

This course is designed to integrate previously learned theory on advanced pre-hospital assessment, treatment and documentation of the medical and traumatic emergency patient. The course includes psychomotor skills and competencies outlined in the DOT's National EMS Education Standards for Advanced EMTs.

**Corequisite:** EMT 321, EMT 371

## **EMT 365 Advanced Trauma Management 3 cr**

Includes trauma systems, mechanism of injury, management of hemorrhage, shock, burns, soft tissue, head and facial, spinal, thoracic, abdominal and musculoskeletal trauma.

## **EMT 371 Advanced EMT Internship 2 cr**

Supervised clinical and field experiences emphasizing patient care in the hospital and out-of-hospital environments. Time distributed between hospital emergency departments, fire rescue departments, and ambulance services, among others.

**Corequisite:** EMT 321, EMT 361

## **EMT 375 EMS Response Women-Children 3 cr**

The unique problems for the EMS provider when responding to women or children. Includes gynecology, obstetrics, abuse and assault, pediatrics and neonatology.

**EMT 394 Directed Studies - 1-3 cr**

Directed study, under the guidance of a faculty advisor, of a topic in the fields of Emergency Medical Services or Emergency Response Training. Requires permission of Department Chair.

**EMT 425 Paramedic Emergency Care II 3 cr**

Includes all medical emergency modules of the National Paramedic Curriculum not included in EMT 355 and 375.

**EMT 440 EMS Op and Sp Considerations 3 cr**

Includes special circumstances regarding geriatric patient, abuse and assault, patients with special challenges, acute interventions for the chronic care patient, ambulance operations, incident command, rescue, hazmat, and crime scene awareness.

**EMT 455 Paramedic Skills Laboratory 1 cr**

Advanced skills practicum. Designed to integrate all previously learned theory, management concepts and behavioral objectives of the 1999 National Standard Paramedic training curriculum.

**Prerequisite:** EMT 210 Minimum Grade of B and EMT 315 Minimum Grade of B and EMT 335 Minimum Grade of B and EMT 340 Minimum Grade of B and EMT 345 Minimum Grade of B

**EMT 465 Paramedic Clinical Intern I 3 cr**

The first of two clinical internship courses required of paramedic students. Supervised clinical experiences emphasizing patient care in the hospital and outpatient clinical settings.

**Prerequisite:** EMT 210 Minimum Grade of B and EMT 315 Minimum Grade of B and EMT 335 Minimum Grade of B and EMT 340 Minimum Grade of B and EMT 345 Minimum Grade of B

**EMT 466 Paramedic Clinical Intern II 3 cr**

The second of two clinical internship courses required of paramedic students. Supervised clinical experiences emphasizing patient care in the hospital and outpatient clinical settings.

**Prerequisite:** EMT 355 Minimum Grade of B and EMT 375 Minimum Grade of B

**EMT 475 Paramedic Field Internships 6 cr**

Supervised field experiences with an out of hospital advanced life support service emphasizing patient care and team leadership skills.

**Prerequisite:** EMT 350 Minimum Grade of B and EMT 466 Minimum Grade of S

**EMT 485 Advanced Cardiac Life Support 3 cr**

Course based on American Heart Association's ACLS Program. Includes in depth review of all cases required for a full ACLS course. Recommended for health care providers and health care provider students.

**EMT 490 Special Topics - 1-3 cr**

Selected topics in Emergency Medical Services and Emergency Response Training. Topics will vary according to needs and interests of students. Course may be repeated for credit when content varies.

**EMT 494 Directed Studies - 1-3 cr**

Directed study, under the guidance of a faculty advisor, of a topic in the fields of Emergency Medical Services or Emergency Response Training. Requires the permission of department chair.

**EMT 495 Comprehensive Review-Exam 1 cr**

Culmination of paramedic education. Includes practical skills labs designed to prepare the graduate for state licensure exams. A final practical and written exam will be administered as a final evaluation of student progress.

**Prerequisite:** EMT 350 Minimum Grade of B and EMT 466 Minimum Grade of S