



UT LIFESTAR: Training Courses

UT LIFESTAR Aeromedical Services at The University of Tennessee Medical Center offers educational opportunities for EMS and fire workers across the East Tennessee region. The classes are taught by UT LIFESTAR team members and subject matter experts from the medical center, such as cardiologists and surgeons. Most classes offer contact hours for those seeking continuing education credits.

Call 865-305-9112 or email Instructor Coordinator J.R. Gore at jgore@mc.utmck.edu for more information about educational opportunities.

12 Lead ECG Monitoring

After participating in this continuing education program, the healthcare provider will be better able to:

- Understand the anatomy and physiology of the heart.
- Recognize and treat common dysrhythmias.
- Interpret the signs and symptoms of an acute MI.
- Identify common ECG characteristics of an acute MI.

Agriculture Emergencies

After participating in this continuing education program, the healthcare provider will be better able to:

- Identify the common hazards of agricultural work.
- Explain the economic issues of agricultural injuries.

Airway Management (Basic and Advanced)

After participating in this continuing education program, the healthcare provider will be better able to:

- Identify the major anatomical components of the respiratory system.
- Recognize the signs of inadequate breathing.
- Describe the methods of opening the airway.
- Describe the techniques of suctioning the airway.
- Explain how to measure and insert nasal and oral airways.
- Perform and evaluate proper bag-valve-mask ventilation technique.

Behavioral Emergencies

After participating in this continuing education program, the healthcare provider will be better able to:

- Understand the pathophysiology of psychiatric disorders.
- Better assess and care for behavioral emergency patients.

Bloodborne Pathogens

After participating in this continuing education program, the healthcare provider will be better able to:

- Identify the different types of pathogens that healthcare workers come in contact with.
- Understand how pathogens can enter the body.
- Have complete knowledge of universal precautions.
- Know all the personal protective equipment needed in treating all types of patients.
- Identify the different types of sharps devices and the potential sharps handling hazards.
- Know the post exposure medical care for injury in the workplace.

Burn Patient Management

After participating in this continuing education program, the healthcare provider will be better able to:

- Assess and manage thermal, electrical, chemical and radiation burns.

Cardiac Emergencies

After participating in this continuing education program, the healthcare provider will be better able to:

- Be familiar with the signs, symptoms and treatment of angina pectoris, acute myocardial infarction, cardiac tamponade, hypertensive emergencies and cardiogenic shock.

Domestic Violence

After participating in this continuing education program, the healthcare provider will be better able to:

- Understand the need for sensitivity in treating victims of domestic violence.
- Safely deal with situations involving domestic violence.
- Explain the quality information and documentation needed for the domestic violence call.

Environmental Emergencies

After participating in this continuing education program, the healthcare provider will be better able to:

- Understand the pathophysiology of heat and cold disorders.
- Achieve a better understanding of near-drowning and drowning.

Ethics in EMS

After participating in this continuing education program, the healthcare provider will be better able to:

- Understand the difference between ethics and morals.
- Understand the legality of advanced directives.
- Be familiar with the different types of consent.

Geriatric Emergencies

After participating in this continuing education program, the healthcare provider will be better able to:

- Demonstrate knowledge of the demographics of the elderly.
- Understand of the aging process.
- Assess and manage the condition of the elderly patient.

Landing Zone Safety and Setup

After participating in this continuing education program, the healthcare provider will be better able to:

- Make informed decisions about when to call a helicopter for specific types of patients.
- Understand what information needs to be given when requesting a helicopter transport.
- Choose a suitable landing zone.
- Evaluate and address potential hazards when setting up a landing zone.
- Recognize the differences between the two types of airframes UT LIFESTAR employs.

Rapid Sequence Induction

After participating in this continuing education program, the healthcare provider will:

- Be familiar with the indications, contraindications and complications of performing RSI on critical patients in the field.
- Have a thorough understanding of initial and ongoing assessment for correct airway placement and adequate ventilation
- Have a better understanding of the pediatric and adult airway.
- Know the particular medications and dosages when performing RSI.
- Have a complete knowledge of the correct documentation needed.

START and Jumpstart (Triage)

After participating in this continuing education program, the healthcare provider will:

- Be familiar with the primary triage of patients involved in an MCI.
- Know the different color coded system for triage.
- Better enhance the allocation of resources in an MCI.
- Understand the emotional burden on personnel involved in managing an MCI.

Stroke Awareness

After participating in this continuing education program, the healthcare provider will:

- Understand the incidence and impact of stroke.
- Understand pathophysiology of ischemic and hemorrhagic stroke.
- Appreciate the need for urgency in response to stroke.
- Recognize dispatch priorities for possible stroke 9-1-1 calls.
- Understand on-scene management, triage and transport of possible stroke patients.
- Be knowledgeable of and practice on-scene stroke severity assessment.
- Understand hand-off to ED team.
- Recognize 5 common stroke syndromes.

Trauma Emergencies

After participating in this continuing education program, the healthcare provider will be better able to:

- Explain the physical exam findings in blunt and penetrating trauma.
- Be familiar with the treatment of a tension pneumothorax as well as fluid resuscitation of a trauma patient.