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### Course Description

This basic Emergency Medical Technician Course covers all knowledge aspects of trauma care as outlined by national standards, created by federal guidelines, considered to be the responsibilities of ambulance operations.

Training involves typical anatomy and physiology; patient assessment; care for respiratory and cardiac emergencies; control of bleeding; application of dressing and bandages; treatment for traumatic shock; care for fractures, dislocations, sprains and strains; medical emergencies; emergency childbirth; burns and heat emergencies; environmental emergencies; principles of vehicle rescue; transportation of patients and general operations of ambulance systems.

**Prerequisites:** Consent of Instructor

**Corequisite:**

### Task List

1.	Identify the human systems, including anatomy, physiology and an introduction and practice in patient assessment.
2.	Identify the basic mechanics of respiration; signs of airway obstruction and respiratory arrest, maintaining an open airway, pulmonary resuscitation; variations for children and infants and special considerations for the laryngectomies.
3.	Identify the basics of circulation, signs and symptoms of cardiac arrest.
4.	Demonstrate the procedure of cardiopulmonary resuscitation by one rescuer and two rescuers.
5.	Demonstrate the use of airways, suction equipment, resuscitation devices and airway adjuncts.
6.	Describe signs, symptoms, prevention and shock, prevention of shock and treatment of shock.
7.	Identify signs of internal bleeding; external bleeding and demonstrate procedures of bleeding control.
8.	Identify indicators and contra-indicators relative to the use of pneumatic anti-shock garments (PASG) and provide for practice in their application.
9.	Identify the physiology of the skin and types of wounds and demonstrate the care of wounds.
10.	Demonstrate and practice the application of dressings and bandages.
11.	Identify anatomy and physiology of musculoskeletal systems and definitions and types of fractures and dislocations.
12.	Demonstrate the techniques of care for fractures and dislocations, sprains and strains.
13.	Identify the signs and symptoms of injury to the pelvis and hip and demonstrate the emergency care for pelvic and hip injury.
14.	Identify anatomy and physiology of the nervous system; signs and symptoms of spinal fractures; general rules of care for patients with spinal injuries; signs of skull fractures; care for skull, brain, face and neck injuries and practice of immobilization using extrication collars and splint devices.
15.	Identify functions of the abdomen, genitalia and the chest including techniques of care for these areas.
16.	Describe the signs and symptoms of poisoning, bites and stings; heart attack; stroke and dyspnea and the care for medical emergencies relative to these conditions.
17.	Describe the signs and symptoms and techniques of care for diabetic, abdominal distress, and substance abuse emergencies including seizures.
18.	Identify relative anatomy, physiology and emergency care for emergency childbirth.
19.	Identify components of assessing the newborn, care for premature infants, and pediatric emergencies.
20.	Identify the degree and classification of burns and care for each classification.
21.	Recognize and identify hazardous materials and precautionary procedures.
22.	Identify signs and symptoms and correct techniques for heat emergencies, hypothermia and water related emergencies.
23.	Describe considerations when dealing with infants, children, elderly and disadvantaged patients.
24.	Identify procedures to deal with abnormal behavior and substance abuse patients.
25.	Describe dealing with death and near death situations as an EMT.
26.	Identify, demonstrate, and practice the procedures for lifting and transfer of patients.
27.	Identify and practice the principles of patient triage.

28.	Identify procedures of patient extrication from vehicles.
29.	Identify the components of ambulance operations.
30.	Identify the components of reports and documents associated with emergency care.
31.	Identify the legal aspects of emergency care.
32.	Identify the communications process associated with the operations of an emergency medical services system.
33.	Identify communicable disease transmission and the universal precautions associated with Bloodborne and airborne diseases.
34.	Provide for in-hospital observations and training.
35.	Provide for field observation of emergency medical care as a member of an ambulance crew.

**Instructor Equipment List**

**Old FRT Number: 500 / FRT 155**