

Welcome to the University of Utah/Mt Nebo Training Assoc., EMT Paramedic Program.

The material enclosed is provided to answer questions regarding your Emergency Medical Technician Paramedic Course.

Our goals are to prepare all students for Utah and National Registry EMT Paramedic Certification.

Please review all enclosed material and feel free to ask the course coordinator or instructors any questions that may come up.

Course Director and Coordinator: Kirk E. Mittelman, BS/NREMT-P
Primary Instructor: Joseph B. Mittelman, BS/NREMT-P

Emergency Medical Technician Paramedic Course
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Description

The Emergency Medical Technician Paramedic Class is the third/final level course for Emergency Medical Services, Fire Fighting and most other Medical Fields.

This course teaches the necessary skills for successful completion of the Utah State and National Registry of EMT (NREMT) 1998 requirements for EMT Paramedic level certification. Successful students should be able to pass the Paramedic Level State and NREMT Manipulative skills and written exams.

During and at the completion of the course the EMT-P student must demonstrate competency handling emergencies utilizing all Basic and Advanced Life Support equipment and skills in accordance with all behavioral objectives in the DOT/EMT Basic, EMT-I and EMT-P curriculums, to include endotracheal intubation, advanced airway techniques, advanced pediatric care, manual external defibrillation, medication administration, and other listed course skills.

Goals

Upon successful completion of this course students should understand and have mastered all EMT Paramedic concepts and skills as set forth by the US DOT and Utah BEMS EMT Paramedic (1998) Curriculum. The student will be prepared for EMS Intermediate Utah State Certification and NREMT EMT Paramedic (1998) Certification.

The US DOT and Utah BEMS topics that will be covered and reviewed with Lecture and Practical application are:

- Foundations of EMT I
- Human Anatomy & Physiology
- Patient Assessment
- Medical Emergencies
- Advanced Airway
- Pharmacology
- Medication Administration
- Cardiac Monitoring
- Pediatric Emergencies
- Prehospital Environment
- Preparatory Information
- Trauma Emergencies
- Medical Emergencies
- Obstetrical and Gynecological Emergencies
- Psychiatric Emergencies



Required Text

1. NAEMT, Pre Hospital Trauma Life Support, 5th Ed. Mosby Inc. (2003), ISBN: 032302744X
2. Pediatric Education for Prehospital Professionals, American Academy of Pediatrics (2000), Published by Jones and Bartlett Publishers, ISBN #0763712191.
3. American Geriatrics Society/National Council of State Emergency Medical Services Coordinators. Geriatric Education for Emergency Medical Services (GEMS). Jones and Bartlett Publishing (2003)
4. Paramedic Textbook by Mick Sanders, Third Edition, Mosby Inc.(2005), ISBN=0323027865
5. need the ACLS workbook
6. need EKG book

Recommended & Helpful Text

1. Cherry, Richard A./Bledsoe, Bryan E. Drug Guide for Paramedics. Prentice Hall (2001). ISBN: 0-13-028798-9.
2. Dillman, Peter A. EMS Medication Field Guide, 2nd Ed. Jones and Bartlett Publishing (2001). ISBN: 076371959.
3. Mack, Dan/Wesley, Keith. Mosby's EMT-Intermediate and Paramedic Certification Preparation and Review. Mosby Inc. (2004). ISBN: 0323019277
4. Mistovich, Joseph J./Benner, Randall W./Margolis, Gregg S. Prehospital Advanced Cardiac Life Support, 2nd Ed. Prentice Hall (2004). ISBN: 0-13-110143-9.
5. Walraven, Gail. Basic Arrhythmias, 5th Ed. Prentice Hall (1999). ISBN: 0-8359-5305-X
6. Aehlert, Barbara. ACLS Quick Review Study Guide, 2nd Ed. Mosby Inc. (2002). ISBN: 0323008925.
7. Beasley, Brenda M. Understanding EKGs: A Practical Approach, 2nd Ed. Prentice Hall (2003)
8. Bledsoe, Bryan E./Clayden, Dwayne E. Prehospital Emergency Pharmacology, 5th Ed. Prentice Hall (2001). ISBN: 0-13-025950-0.
9. Bledsoe, Bryan/Martini, Ric. Anatomy and Physiology for Emergency Care, 1st Ed. Prentice Hall (2002). ISBN: 0-13-042298-3.
10. Cherry, Richard A./Bledsoe, Bryan E. Drug Guide for Paramedics. Prentice Hall (2001). ISBN: 0-13-028798-9.
11. Dillman, Peter A. EMS Medication Field Guide, 2nd Ed. Jones and Bartlett Publishing (2001). ISBN: 076371959.
12. Mack, Dan/Wesley, Keith. Mosby's EMT-Intermediate and Paramedic Certification Preparation and Review. Mosby Inc. (2004). ISBN: 0323019277

Job Description-EMT Paramedic

Responds to emergency calls to provide efficient and immediate care to the critically ill and injured, and transports the patient to a medical facility. After receiving the call from



the dispatcher the EMT Paramedic drives the ambulance to address or location given, using the most expeditious route, depending on traffic and weather conditions. The EMT Paramedic will observe traffic ordinances and regulations concerning emergency vehicle operation.

Upon arrival at the scene of crash or illness, the EMT Paramedic parks the ambulance in a safe location to avoid additional injury. Prior to initiating patient care, the EMT Paramedic will also size-up the scene to determine that the scene is safe, the mechanism of injury or nature of illness, total number of patients and to request additional help, if necessary. In the absence of law enforcement, creates a safe traffic environment, such as the placement of road flares, removal of debris, and re-direction of traffic for the protection of the injured and those assisting in the care of injured patients.

Determines the nature and extent of illness or injury and establishes priority for required emergency care. Based on assessment findings the EMT Paramedic will render emergency medical care to adult, infant and child, medical, and trauma patients. Duties include but not limited to, opening and maintaining an airway, ventilating patients, and cardiopulmonary resuscitation. The EMT Paramedic will also use several basic and advanced medical devices including automated and manual external defibrillators, endotracheal intubation devices, EKG rhythm interpretation devices, intravenous therapy devices and auto ventilators. The EMT Paramedic provides pre-hospital emergency medical care of simple and multiple system traumas such as controlling hemorrhage, treatment of shock (hypo-perfusion), intravenous therapy, bandaging wounds, immobilization of painful, swollen, and deformed extremities. Medical patients include: Assisting in childbirth, management of respiratory, cardiac, diabetic, allergic, behavioral, and environmental emergencies, and suspected poisonings. The EMT Paramedic searches for medical identification emblem as a clue in providing emergency care. Additional care is provided based upon assessment of the patient differential diagnosis and obtaining historical information. These interventions include assisting patients with prescribed medications, including sublingual nitroglycerin, epinephrine auto-injectors and hand-held aerosol inhalers. The EMT Paramedic will also be responsible for administration of oxygen, cardiac medications, resuscitation fluids, intravenous and other therapeutic medications and pain relieving medications.

The EMT Paramedic reassures patients and bystanders by working in a confident, efficient manner. The EMT Paramedic avoids mishandling and undue haste while working expeditiously to accomplish the task.

Where a patient must be extricated from entrapment, the EMT Paramedic assesses the extent of injury and gives all possible emergency care and protection to the entrapped patient and uses the prescribed techniques and appliances for safely removing the patient. If needed, radios the dispatcher for additional help or special rescue and/or utility services. Provides simple rescue service if the ambulance has not been accompanied by a specialized unit. After extrication, provides additional care in triaging the injured in accordance with standard emergency procedures.

The EMT Paramedic complies with regulations on the handling of the deceased, notifies



authorities, and arranges for protection of property and evidence at scene.

The EMT Paramedic lifts stretcher, placing in ambulance and seeing that the patient and stretcher are secured, continues emergency medical care.

From the knowledge of the condition of the patient and the extent of injuries and the relative locations and staffing of emergency hospital facilities, the EMT Paramedic determines the most appropriate facility to which the patient will be transported, unless otherwise directed by medical direction. Reports directly to the emergency department of communications center the nature and extent of injuries, the number being transported, and the destination to assure prompt medical care on arrival. The EMT Paramedic identifies assessment findings which may require communications with medical direction for advice and for notification that special professional services and assistance be immediately available upon arrival at the medical facility.

The EMT Paramedic constantly assesses patient en route to emergency facility, administers additional care as indicated or directed by medical direction.

The EMT Paramedic assists in lifting and carrying the patient out of the ambulance and into the receiving facility.

The EMT Paramedic reports verbally and in writing their observation and emergency medical care of the patient at the emergency scene and in transit to the receiving facility staff for purposes of records and diagnostics. Upon request the EMT Paramedic provides assistance to the receiving facility staff.

After each call the EMT Paramedic restocks and replaces used linens, blankets and other supplies, cleans all equipment following appropriate disinfecting procedures, makes careful check of all equipment so that the ambulance is ready for the next run. The EMT Paramedic maintains ambulance in efficient operating condition. In accordance with local, state or federal regulations the EMT Paramedic decontaminates the interior of the vehicle after transport of patient with contagious infection or hazardous materials exposure.

The EMT Paramedic determines that vehicle is in proper mechanical condition by checking items required by service management. The EMT Paramedic maintains familiarity with specialized equipment used by the service.

The EMT Paramedic attends continuing education and refresher training programs as required by employers, medical direction, licensing or certifying agencies.

The EMT of all levels will meet the qualifications within the Bureau of EMS Functional Position Description.



Introduction

The Bureau of Emergency Medical Services is providing the following general position description for the Emergency Medical Technician (EMT), Emergency Medical Technician - Intermediate (EMT-I), Emergency Medical Technician-Intermediate Advanced (EMT-IA), and Emergency Medical Technician - Paramedic (EMT-P). This is for anyone who is interested in understanding what qualifications, competencies and tasks are required of the EMT/EMT-I/EMT-P. It is the ultimate responsibility of an employer to define specific job descriptions within each EMS entity.

Qualifications

To be certified as an EMT/EMT-I/EMT-IA/EMT-P, an individual shall:

1. Submit a completed application form to the Department.
2. Be 18 years of age or older.
3. Complete a Department approved EMT course.
4. Display technical competence during field and clinical training.
5. Successfully complete the Department written and practical examinations.
6. Those advancing to advanced EMT levels in Utah must have at least one year of EMT Basic certification level.

Description

Generally, the knowledge and skills required show the need for a high school education or equivalent. Ability to communicate verbally; via telephone and radio equipment; ability to lift, carry, and balance up to 125 pounds (250 with assistance); ability to interpret written and oral instructions; ability to use good judgment and remain calm in high-stress situations; ability to work effectively in an environment with loud noises and flashing lights; ability to function efficiently throughout an entire work shift; ability to calculate weight and volume ratios and read small print under life-threatening time constraints; ability to read and understand English language manuals and road maps; accurately discern street signs and address numbers; ability to interview patient, family members and bystanders; ability to document, in writing, all relevant information in prescribed format in light of legal ramifications of such; and ability to converse in English with co-workers and hospital staff as to patient status. Good manual dexterity, with ability to perform all tasks related to highest quality patient care. Ability to bend, stoop and crawl on uneven terrain; and the ability to withstand varied environmental conditions such as extreme heat, cold, and moisture. Ability to work in low light, confined spaces and other dangerous environments.

➤ Course Pre-requisites:

- Current certification as an EMT Basic in Utah.
- Certified as an EMT Basic for a minimum of one year.
- Current CPR certification.
- Choose one of the following
 - Completion of the U of U or equivalent college/university level Anatomy and Physiology course with a grade of at least a “C”
OR



- Completion of the U of U or equivalent Introduction to Anatomy and Physiology for Public Safety course with a grade of at least a “C”
- Choose one of the following
 - Completion of the U of U or other equivalent college level Introduction to Algebra or higher with a minimum grade of “C” OR
 - Completion of the U of U Math for Public Safety course with a minimum grade of “C”. (New Course to be offered in 2006)
- Choose one of the following
 - Completion of the U of U or other equivalent college level Introduction to Writing course with a minimum grade of “C” OR
 - Completion of the U of U English and Medical Terminology for Public Safety course with a minimum grade of “C” (New Course to be offered in 2006)
- Choose one of the following
 - Completion of the U of U or other equivalent college level Medical Terminology course with a minimum grade of “C” OR
 - Completion of the U of U English and Medical Terminology for Public Safety course with a minimum grade of “C” (New Course to be offered in 2006)
- Choose one of the following
 - Successful completion of the U of U or other equivalent EMT Intermediate course OR
 - A minimum of one year active service with a recognized EMS provider OR
 - One year minimum service with an approved care facility
 - *Preference will be given to those who meet more than one of these criteria.*