



Department:

Health Science

Course Description:

This course is designed for individuals interested in providing medical care to patients in the pre-hospital setting. The course will provide the participant with opportunities to gain information, skills, and attitudes necessary for certification and practice as an EMT-B in Kansas.

Course Competencies:

The course will enable the properly motivated and capable participant to:

1. Use an assessment-based format for all situations and all ages, which will enable the student to recognize the nature and seriousness of the patient's condition or extent of the injuries in order to render emergency care.
2. Demonstrate an understanding of human anatomy and physiology, and the rationale and fundamentals of the pre-hospital care and treatment of the sick and injured.
3. Demonstrate adequate/complete primary skills of initial assessment and ABC's.
4. Perform a complete focused and detailed assessment.
5. Understand, recognize and provide appropriate BLS care for life-threatening and non-life-threatening emergencies.
6. Learn and demonstrate correct application and utilization of BLS equipment in the pre-hospital setting, and lift, move, position and otherwise handle the patient to minimize discomfort and prevent further injury.
7. Complete a written record of events for the use of the receiving hospital as well as a permanent record for local use (written run report).
8. Transmit necessary information from the scene and/or ambulance to the receiving facility in an orderly manner using mobile radio equipment.
9. Understand and discuss the rationale for personal and patient safety and care at the scene and throughout transport to a receiving facility.
10. Understand the rationale for practicing infection control procedures during and after any contact with a patient.

Course Content:

- A. Introduction to EMS System
- B. Well-Being of the EMT-B
- C. Medical and Legal Issues
- D. The Human Body
- E. Patient Assessment, Initial and Ongoing
- F. Lifting and Moving Patients
- G. Airway Management



- H. CPR and AED
- I. Communication and Documentation
- J. General Pharmacology
- K. Respiratory and Cardiac Emergencies
- L. Diabetic Emergencies and Altered Mental Status
- M. Acute Stroke, Seizures, Syncope, Allergic Reactions, Abdominal Pain
- N. Poisoning and Overdose Emergencies
- O. Behavioral and Environmental Emergencies
- P. Geriatric Assessment
- Q. Mechanisms of Injury, Musculoskeletal Injuries, Bleeding and Shock
- R. Soft Tissue Injuries, Chest, Abdominal and Genital Injuries
- S. Injuries to the Head and Spine
- T. Fracture Management
- U. Agricultural and Industrial Emergencies
- V. Childbirth and Gynecological Emergencies
- W. Pediatrics
- X. Ambulance Operations, Gaining Access and Rescue Operations
- Y. Extrication
- Z. Hazardous Materials, Multiple-Casualty Incidents, Triage
- AA. EMS Response to Weapons of Mass Destruction

Learning Assessments:

Evaluation methods used for the course include written homework assignments, written examinations, laboratory skills practice with scenarios, skills practical exams and assessment of clinical performance.

Instructional Materials:

Pre-Hospital Emergency Care, 7th ed., 2004, Brady
American Heart Association: Basic Life Support for Healthcare Providers
EMT-Basic: National Standard Curriculum
The instructor may use additional resources to augment the information provided by the materials listed above.

Guidelines for Requesting Accommodations Based on Documented Disability or Medical Condition

It is the intention of Highland Community College to work toward full compliance with the Americans with Disabilities Act, to make instructional programs accessible to all people, and to provide reasonable accommodations according to the law.



Students should understand that it is their responsibility to self-identify their need(s) for accommodation and that they must provide current, comprehensive diagnosis of a specific disability or medical condition from a qualified professional in order to receive services. Documentation must include specific recommendations for accommodation(s). Documentation should be provided in a timely manner prior to or early in the semester so that the requested accommodation can be considered and, if warranted, arranged.

On-Campus Students: At enrollment, any on campus student may complete a form that will allow them to self-identify any disability.

Off-Campus Regional Students: Self-identify your disability and accommodation needs with the Regional Coordinator and/or instructor, preferably prior to the first class meeting.

Online Students: Self-identify your disability and accommodation needs by contacting the Disabilities Coordinator. Students must provide their own programs to allow accessibility on their home computer.

Any student may also identify their disability by completing an online form located on the HCC homepage under Students Services/Resources/Disabilities. Questions should be directed to the Disabilities Coordinator.