

Department:

Health Sciences

Course Description:

This course is designed to provide training for giving medical care to patients in the pre-hospital setting. The course will offer instruction and practical experience for students to develop the knowledge, skills, and attitudes needed for certification and practice as an Emergency Medical Technician-Basic (EMT-B) in Kansas.

Course Competencies:

Upon completion of the course, the student should be able to:

1. Use an assessment-based format for all situations and all ages in order to recognize the nature and seriousness of the patient's condition or extent of injuries and provide emergency care.
2. Use knowledge of human anatomy and physiology to explain the rationale and fundamentals of pre-hospital care and treatment of the sick and injured.
3. Demonstrate an acceptable level of skill in initial assessment and use of the Airway Breathing-Circulation (ABC) approach.
4. Perform a complete focused and detailed assessment.
5. Provide appropriate Basic Life Support (BLS) care for both life threatening and non-life-threatening emergencies.
6. Demonstrate correct application and use of BLS equipment in the pre-hospital setting.
7. Lift, move, position, and otherwise handle the patient to minimize discomfort and prevent further injury.
8. 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).
9. Use mobile radio equipment to transmit necessary information in a clear, orderly manner from the scene or ambulance to the receiving facility.
10. Explain the rationale and procedure for personal and patient safety and care at the scene and throughout transport to a receiving facility.
11. Explain the rationale and procedure for infection control during and after any contact with a patient.

Course Content:

- A. Introduction to Emergency Medical Services (EMS) System
- B. Well-being of the EMT-B
- C. Medical and Legal Issues
- D. The Human Body
- E. Initial and Ongoing Patient Assessment
- F. Lifting and Moving Patients
- G. Airway Management
- H. Cardiopulmonary Resuscitation (CPR) and Automated External Defibrillator (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, Shock
- R. Soft Tissue, Chest, Abdominal, and Genital Injuries
- S. Head and Spine Injuries
- T. Fracture Management
- U. Agricultural and Industrial Emergencies
- V. Childbirth and Gynecological Emergencies
- W. Pediatrics
- X. Ambulance Operations, Gaining Access, Rescue Operations, Extrication
- Y. Hazardous Materials, Multiple Casualty Incidents, Triage
- Z. EMS Response to Weapons of Mass Destruction

Learning Assessments:

Written homework assignments, written examinations, laboratory skills scenarios, practical skills exams, and clinical performance will assess course competencies.

Instructional Materials:

Textbook: Mistovich, J. J. & Karren, K. J. (2018). *Pre-Hospital Emergency Care* (11th ed.). Pearson. ISBN-13: 978-0-13-475232-7

Basic Life Support for Healthcare Providers, American Heart Association
EMT-Basic, National Standard Curriculum
Additional resources determined by the instructor

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.

In order to begin the process all students **must** complete the "Disabilities Self-Identification Form" on our [Disability Services website](#).

This form can also be accessed at the Highland Community College homepage under Students Services/Student Resources/Disability Service or by contacting the Disabilities Coordinator.

A Note on Harassment, Discrimination and Sexual Misconduct

Highland Community College seeks to assure all community members learn and work in a welcoming and inclusive environment. Title VII, Title IX, and College policy prohibit harassment, discrimination and sexual misconduct. Highland Community College encourages anyone experiencing harassment, discrimination or sexual misconduct to talk to report to the Vice President for Student Services, the Human Resources Director or complete an [online report](#) about what happened so that they can get the support they need and Highland Community College can respond appropriately.

There are both confidential and non-confidential resources and reporting options available to you. Highland Community College is legally obligated to respond to reports of sexual misconduct, and therefore we cannot guarantee the confidentiality of a

report, unless made to a confidential resource. Responses may vary from support services to formal investigations. As a faculty member, I am required to report incidents of sexual misconduct and thus cannot guarantee confidentiality. I must provide our Title IX coordinator with relevant details such as the names of those involved in the incident. For more information about policies and resources or reporting options, please review our [Equity Grievance Policy](#).