

COURSE SYLLABUS

LAST REVIEW	Spring 2021
COURSE TITLE	Emergency Medical Technician
COURSE NUMBER	EMTC 0128
DIVISION	Health Professions
DEPARTMENT	Emergency Medical Education
CIP CODE	51.0810
CREDIT HOURS	10
CONTACT HOURS/WEEK	Class: 5 Lab: 5 Clinical: 12
PREREQUISITES	Meet the placement score required for this course or complete Emergency Medical Responder (EMTC 0105) with a minimum "C" grade or higher. Director approval may be given in place of course completion requirement.
COURSE PLACEMENT	Students must meet the correct placement measure for this course. Information may be found at: https://www.kckcc.edu/admissions/information/mandatory-evaluation-placement.html

COURSE DESCRIPTION

This course provides the opportunity to gain the knowledge and skills necessary to administer basic life support care to ill or injured patients. Upon completion with a grade of "C" or better, students are able to challenge the National Registry and Kansas certification exams and apply for certification as an EMT in the state of Kansas. A minimum of 12 clock hours of clinical and field work, in addition to schedule class time, are required. Due to State of Kansas requirements discussed at the first class, attendance of the first class session is mandatory.

PROGRAM ALIGNMENT

This course is part of a program aligned through the Kansas Board of Regents and Technical Education Authority. For more information, please visit:
https://kansasregents.org/workforce_development/program-alignment

PROGRAM LEARNING OUTCOMES

1. Demonstrate an understanding of Basic Life Support skills competency.
2. Communicate effectively orally and in writing within a diverse set of situations, cultures, and with individuals, teams and large groups.
3. Demonstrate effective analytical and critical thinking skills to make appropriate decisions in patient care and scene management.

4. Analyze ethical and legal issues that occur in emergency medical care services, choose and defend resolutions for practical solutions.

TEXTBOOKS

<http://kckccbookstore.com/>

METHODS OF INSTRUCTION

A variety of instructional methods may be used depending on content area. These include but are not limited to: lecture, multimedia, cooperative/collaborative learning, labs and demonstrations, projects and presentations, speeches, debates, panels, conferencing, performances, and learning experiences outside the classroom. Methodology will be selected to best meet student needs.

COURSE OUTLINE

- I. Cardiopulmonary Resuscitation (CPR/AED & Choking)
 - A. Adult
 - B. Child
 - C. Infant
- II. Preparatory
 - A. Introduction to Emergency Medical Care
 - B. The Well-Being of the EMT
 - C. Medical, Legal, Research and Ethical Issues
 - D. Baseline vital Signs and History Taking
 - E. Preparing to Lift and Move Patients
- III. Anatomy and Physiology, Medical Terminology, Pathophysiology
 - A. Anatomical Planes
 - B. Standard Anatomic Terms
 - C. Body Systems
 - D. Life Support Chain and Fundamental Elements
 - E. Age Related Variations
 - F. Medical Terminology
 - G. Pathophysiology
- IV. Airway
 - A. Airway Management
 - B. Ventilation
 - C. Oxygen Therapy
 - D. Advanced Airway Management
- V. Pharmacology
 - A. Medication Safety
 - B. Medications used in an Emergency
 - C. Forms of Medication

- D. Routes of Medication Administration
 - E. Basic Medication Terminology
 - F. Drug Name
 - G. Drug Profile
 - H. Prescribing Information
 - I. Medication Administration Procedure
 - J. Assist/Administer Medications to a Patient
 - K. Techniques of Medication Administration
 - L. Reassessment
 - M. Documentation
 - N. EMT-Administer Medications
 - O. EMT-Assisted Medications
- VI. Patient Assessment
- A. Scene Size-Up
 - B. Patient Assessment
 - C. Assessment of Special Patient Populations
 - D. Communication
 - E. Documentation
- VII. Medical
- A. Medical Overview
 - B. Neurology
 - C. Abdominal and Gastrointestinal Disorders
 - D. Immunology
 - E. Infectious Disease
 - F. Endocrine Disorders
 - G. Psychiatric
 - H. Cardiovascular
 - I. Toxicology
 - J. Respiratory
 - K. Hematology
 - L. Genitourinary/Renal
 - M. Gynecology/ Obstetrics
 - N. Non-Traumatic Musculoskeletal Disorders
 - O. Diseases of the Eyes, Ears, Nose and Throat
- VIII. Trauma
- A. Mechanisms of Injury: Kinetics of Trauma
 - B. Bleeding and Shock
 - C. Soft Tissue Injuries
 - D. Burn Emergencies
 - E. Musculoskeletal injuries
 - F. Injuries to the Head

- G. Injuries to the Spine
 - H. Eye, Face, and Neck Injuries
 - I. Chest, Abdomen, and Genitalia injuries
 - J. Agricultural and industrial Emergencies
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- IX. EMS Operations, IMS, Hazardous Materials and Crime Scene
 - A. Principles of Safely Operating a Ground Ambulance
 - B. Incident Management
 - C. MCI
 - D. Air Medical
 - E. Vehicle Extrication
 - F. Hazard Materials Awareness
 - G. Mass Casualty Incidents Due to Terrorism and Disaster
 - H. Crime Scene Preservation
 - X. Kansas Enrichments, ALS Assist Procedures
 - A. BLS Airways and Adjuncts particular to Kansas
 - B. IVs and the Kansas EMT
 - C. EKGs and 12-Leads
 - D. Use of Glucometers
 - E. Assisting the Paramedic for Endotracheal Intubation

COURSE LEARNING OUTCOMES

Upon successful completion of this course, the student will:

- A. Demonstrate proficiency in adult, child & infant CPR procedures and skills.
- B. Discuss the responsibilities & the well-being of the EMT-Basic.
- C. Discuss anatomical structures & their functions, basic pathophysiology and medical terminology.
- D. Demonstrate proficiency in obtaining vital signs, history taking and lifting & moving patients.
- E. Demonstrate proficiency in managing patients' airway.
- F. Perform a complete patient assessment.
- G. Discuss mechanism, signs & symptoms and management of trauma.
- H. Discuss nature of illness, signs and symptoms and management of medical emergencies.
- I. Discuss various EMS operations, MCI, terrorism, disaster and crime scene preservation.
- J. Be familiar with the Kansas enrichments to the EMT curriculum.

ASSESSMENT OF COURSE LEARNING OUTCOMES

Student progress is evaluated through both formative and summative assessment methods. Specific details may be found in the instructor's course information document.

COLLEGE POLICIES AND PROCEDURES

Student Handbook

<https://www.kckcc.edu/files/docs/student-resources/student-handbook-and-code-of-conduct.pdf>

College Catalog

<https://www.kckcc.edu/academics/catalog/index.html>

College Policies and Statements

<https://www.kckcc.edu/about/policies-statements/index.html>

Accessibility and Accommodations

<https://www.kckcc.edu/academics/resources/student-accessibility-support-services/index.html>.