



South Central College

HEMS 1200 Emergency Medical Technician Initial

Course Outcome Summary

Course Information

Description	This course will provide the participant the necessary didactic and cognitive skills to enter the Basic Life Support Ambulance occupation arena as an EMT. Upon successful completion of this course the participant will be able to take the National Registry of Emergency Medical Technician written and practical examination, administered by the Minnesota EMS Regulatory Board. The course follows the guidelines established by the United States Department of Transportation and meets the requirements set forth by the Minnesota EMS Regulatory Board. This course is a requirement to progress into the Intensive Care Paramedic Program of study.
Total Credits	7
Total Hours	160

Pre/Corequisites

Student must be 18 years of age to be eligible to participate in National Registry Testing.

Institutional Core Competencies

Critical and Creative Thinking - Students will be able to demonstrate purposeful thinking with the goal of using a creative process for developing and building upon ideas and/or the goal of using a critical process for the analyzing and evaluating of ideas.

Course Competencies

- 1. Recognize the nature and seriousness of the patient's condition or extent of injury to assess requirements for emergency medical care.**

Learning Objectives

Demonstrate the actions an EMT-Basic should take if there is reason to believe there is a hazard at the scene
Demonstrate the role of the EMT-basic in the multiple-casualty situation
Observe various scenarios and identify potential hazards
Demonstrate ability to form a general impression of the patient
Demonstrate ability to prioritize patients

- 2. Administer appropriate emergency medical care based on assessment findings of the patient's condition**

Learning Objectives

Demonstrate emergency care of patients with medical complaints

Demonstrate emergency care of patients with traumatic injuries

3. Lift, move, position and otherwise handle the patient to minimize discomfort and prevent further injury

Learning Objectives

Working with a partner, prepare various devices for use, transfer patient to device, properly position patient on device, move device to ambulance, load patient into ambulance
Demonstrate proper lifting techniques

4. Perform safely and effectively the expectations of the job description

Learning Objectives

Differentiate the roles and responsibilities and scope of practice of the EMT-Basic
Given a scenario with potential infectious exposure, the EMT-Basic will use appropriate personal protective equipment and will demonstrate proper removal and disposal of protective garments

5. Apply fundamental knowledge of the EMS system and safety/well-being of the EMT to the provision of emergency care.

Learning Objectives

Describe the roles and responsibilities related to personal safety
Discuss the roles and responsibilities of the EMT-Basic towards the safety of the crew, patient and bystanders

6. Apply fundamental knowledge of medical/legal and ethical issues to the provision of emergency care

Learning Objectives

Explain the legal issues associated with treatment, transport and refusal of care
Explain legal issues associated with DNR orders
Explain legal issues associated with advance directives
Given a scenario the EMT-Basic will complete all reporting documentation

7. Apply fundamental knowledge of the anatomy and function of all human systems to the practice of EMS

Learning Objectives

Describe the anatomy and function of major body systems
Identify topographic terms
Use foundational anatomical and medical terms and abbreviations in written and oral communication with health care professionals

8. Apply fundamental knowledge of the pathophysiology of respiration and perfusion to patient assessment and management

Learning Objectives

Establish relationship between airway management and patient with breathing difficulty
Recognize need for medical direction to assist in emergency medical care of patient with breathing difficulty
Differentiate between upper airway obstruction and lower airway disease in infant and child patient
Demonstrate assessment and prioritization of respiratory distress

9. Apply fundamental knowledge of life span development to patient assessment and management

Learning Objectives

Identify developmental considerations for the different age groups
Describe the differences in anatomy and physiology for the infant, child and adult patient
Differentiate the response of the ill or injured infant or age-specific child from that of an adult

10. Apply fundamental knowledge of the medications that the EMT may assist/administer to a patient during an emergency

Learning Objectives

Identify the medications the EMT-B may assist in administering to the patient
Demonstrate steps for assisting patient with self-administration of medication

11. Apply knowledge of anatomy /physiology to patient assessment and management in order to

assure a patent airway, adequate mechanical ventilation and respiration for patients of all ages

Learning Objectives

List signs of adequate air exchange

Describe signs of inadequate ventilation

Demonstrate steps in opening airway in adult and pediatric patient

Demonstrate artificial ventilation of infant, child and adult patient

Demonstrate oxygen administration for infant, child and adult patient

Demonstrate emergency medical care for breathing difficulty for infant, child and adult patient

12. Apply scene information as patient assessment findings (scene size-up, primary and secondary assessment, patient history, reassessment) to guide emergency management

Learning Objectives

Demonstrate scene size-up

Demonstrate primary assessment

Demonstrate secondary assessment

Demonstrate obtaining patient history

Formulate treatment plan

13. Apply fundamental knowledge to provide basic emergency care and transportation based on assessment findings for an acutely ill patient

Learning Objectives

Describe normal and abnormal findings when assessing a patient

Demonstrate prioritizing patient for care and transport

Differentiate between critical and non-critical patients

Demonstrate rapid assessment

Demonstrate emergency care for critical medical patient

14. Apply a fundamental knowledge of the causes, pathophysiology, and management of shock, respiratory failure or arrest, cardiac failure or arrest and post-resuscitation management

Learning Objectives

Demonstrate the assessment/treatment of non-traumatic shock patient

Demonstrate assessment/treatment of respiratory failure patient

Demonstrate assessment/treatment of respiratory arrest patient

Demonstrate assessment/treatment of cardiac failure patient

Demonstrate assessment/treatment of cardiac arrest patient

Demonstrate post-resuscitation management

15. Apply fundamental knowledge to provide basic emergency care and transportation based on assessment findings for an acutely injured patient

Learning Objectives

Demonstrate assessment/treatment of patient with traumatic injury

Demonstrate prioritizing trauma patient for care and transport

Demonstrate rapid trauma assessment

16. Apply a fundamental knowledge of growth, development, aging and assessment findings to provide basic emergency care and transportation for special populations

Learning Objectives

Demonstrate assessment/treatment of infant

Demonstrate assessment/treatment of child

Demonstrate assessment/treatment of geriatric patient

Demonstrate assessment/treatment of OB/GYN patient

17. Apply knowledge of operational roles and responsibilities to ensure patient, public and personnel safety

Learning Objectives

Describe general provisions of state laws relating to the safe operation of the ambulance and privileges in emergency and non-emergency response

Discuss various environmental hazards affecting EMS

Describe actions taking by the EMT-Basic to ensure safety of crew, patient and bystanders

18. Apply a fundamental knowledge of chronic disease process and assessment findings to provide basic emergency care and transportation for a patient with special needs

Learning Objectives

Demonstrate techniques used to assess hearing impaired patient
Demonstrate techniques used to assess visually impaired patient
Demonstrate techniques used to assess mentally impaired patient
Demonstrate techniques used to assess patients of various cultures
Demonstrate techniques used to assess patient requiring specialized home care

19. Apply fundamental knowledge of advanced airway adjuncts

Learning Objectives

Identify patient needing advanced airway
Identify correct advanced airway for patient use
Demonstrate proper insertion and management of advanced airway

20. Apply fundamental knowledge of the National Incident Management System (NIMS)

Learning Objectives

Demonstrate foundational elements of incident command
Demonstrate ability to function within ICS reporting structure
Identify roles of command staff and section chiefs

21. Apply fundamental knowledge of emergency preparedness

Learning Objectives

Describe components of emergency management cycle
Describe components of emergency operations plan
Describe components of personal emergency plan

SCC Accessibility Statement

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