

HSCI 0052 - ADVANCED EMERGENCY MEDICAL TECHNICIAN - CLINICAL/FIELD EXPERIENCE

Catalog Description

Prerequisite: Completion of HSCI 2 and HSCI 51 with grades of "C" or better, or equivalent training; HSCI 52 must be completed no more than seven months after the completion of HSCI 0051; current AHA Healthcare Provider CPR certification and current California State EMT certification required; must submit to a drug screen test demonstrating the absence of any evidence of controlled substance use and provide a criminal background check satisfying the requirements of the State EMS Authority, and the AEMT program clinical providers; must provide two negative TB tests by two-step PPD process, or a negative chest x-ray; provide proof of immunizations for Mumps, Measles, Rubella (MMR); Varicella zoster-vaccination or positive titer; Hepatitis B status screening or signed declination; Diphtheria, Tetanus and Pertussis (Tdap); current influenza vaccine

Advisory: Completion of HSCI 3, HSCI 30, HSCI 50 and BIOL 55 with grades of "C" or better; eligibility for ENGL 11

Hours: 200 laboratory

Description: Provides the supervised clinical and field experience training requirements for Advanced Emergency Medical Technician, at the limited advanced life support (LALS) scope of practice. Successful completion of HSCI 51 and HSCI 52 makes the student eligible to take the National Registry of EMTs (NREMT) Advanced Emergency Medical Technician (AEMT) certification exam. Course is approved by the Sierra Sacramento Valley - Emergency Medical Services (EMS) Agency, and conforms to the National EMS Scope of Practice Model, the EMS National Education Standards and complies with Title 22, Division 9, Chapter 3 of the California State Code of Regulations. (not transferable)

Course Student Learning Outcomes

- CSLO #1: Safely administer medications.
- CSLO #2: Safely perform an esophageal-tracheal intubation.
- CSLO #3: Perform an advanced assessment on pediatric patients.
- CSLO #4: Safely gain intravenous (IV) access in all age group patients.
- CSLO #5: Perform as a team leader in a variety of prehospital emergency situations and communicate scene direction and coordination to other team members.

Effective Term

Fall 2023

Course Type

Credit - Degree-applicable

Contact Hours

200

Outside of Class Hours

0

Total Student Learning Hours

200

Course Objectives

1. Calculate a drug dose, and safely administer the medications.
2. Perform an esophageal-tracheal intubation on an unresponsive patient.
3. Demonstrate ability to safely gain a peripheral venous access on an adult patient.
4. Demonstrate ability to safely gain a peripheral venous access on an adolescent patient.
5. Demonstrate ability to safely gain peripheral venous access on a pediatric patient.
6. Demonstrate ability to safely establish an interosseous access in the adult patient.
7. Demonstrate ability to safely establish an interosseous access in the pediatric patient.
8. Demonstrate ability to effectively ventilate an intubated adult patient.
9. Demonstrate ability to effectively ventilate an intubated adolescent patient.
10. Demonstrate ability to effectively ventilate an intubated pediatric patient.
11. Demonstrate ability to perform an advanced assessment on a pediatric patient.
12. Demonstrate ability to perform a comprehensive patient assessment on an adult.
13. Demonstrate ability to perform an advanced assessment on geriatric patient.
14. Demonstrate ability to perform an advanced assessment, formulate and implement a treatment plan for a critical trauma patients.
15. Demonstrate ability to perform an advanced assessment, formulate and implement a treatment plan for patients with acute cardiac chest pain.
16. Demonstrate ability to perform an advanced assessment, formulate and implement a treatment plan for patients in acute respiratory failure.
17. Demonstrate ability to perform an advanced assessment, formulate and implement a treatment plan for patients with acute abdominal pain.
18. Demonstrate ability to perform an advanced assessment, formulate and implement a treatment plan for patients with an altered mental status.
19. Demonstrate ability to serve as the team leader in variety of prehospital emergency situations.
20. Demonstrate ability to accurately and clearly document patient care, record the interventions and accurately describe the patient response to the intervention and the resulting outcome of patient care.

General Education Information

- Approved College Associate Degree GE Applicability
- CSU GE Applicability (Recommended-requires CSU approval)
- Cal-GETC Applicability (Recommended - Requires External Approval)
- IGETC Applicability (Recommended-requires CSU/UC approval)

Articulation Information

- Not Transferable

Methods of Evaluation

- Reports
 - Example: 1. Under the direct supervision of their field preceptor, the student will be evaluated for their ability to accurately and clearly document patient care, record the interventions and accurately describe the patient response to the interventions, and the resulting outcome of patient care. Students performance outcome will be based on their ability to communicate accurate information in a medical legal document.
- Skill Demonstrations
 - Example: 1. Under the direct supervision of a clinical preceptor in clinical setting, student will be required to interact with an actual medical patient with chest discomfort. Student will be evaluated for their ability to perform a patient assessment, and formulate and implement a treatment plan for acute cardiac chest pain. The student will correctly evaluate and assess the patient using critical thinking skills to select appropriate prehospital protocol. 2. Under the direct supervision of a field preceptor student will be given a practical emergency medical scenario with minimal information on patient history. The student will be evaluated for their ability to utilize subjective and objective components of the primary assessment, and to demonstrate their ability to select an appropriate intervention utilizing limited advanced life support protocols.

Repeatable

No

Methods of Instruction

- Laboratory

Lab:

1. Instructor/Clinical Coordinator evaluates readiness of clinical and field experience assignments: A. evaluate clinical and field provider sites, and student readiness for the experience. B. collaborate with the clinical and field experience office, ensure student orientation to purposes and processes. C. complete, sign, review and submit all necessary provider contracts and student paperwork. D. determine appropriate learning objectives to enhance the student's knowledge and skill levels.
2. Instructor/Clinical Coordinator during the course of the clinical and field experience: A. visit clinical site to evaluate health and safety issues. B. evaluate student progress in first 6 weeks of clinical and field experience, and anytime on an as-needed basis. C. consult with student and clinical supervisor to monitor progress of clinical experience. D. consult with student and agency supervisor to monitor progress of field experience.
3. Instructor/Clinical Coordinator, at the conclusion of the clinical and field experience: A. review and approve preceptors' written evaluation of student's grade; B. review student's time card verifying total required hours; C. review student work journal chronicling duties; D. review tasks and projects completed; E. complete clinical and field site verification; and signed instructor time sheet. F. solicit input from work-site supervisor for student final evaluation and complete final paperwork.

Typical Out of Class Assignments Reading Assignments

1. Read current EMS industry/EMS professional publications or manuals provided by instructor/clinical coordinator. Compare articles to local protocols, text books or other EMS industry-related journals. 2. Read the regional protocols for Limited Advanced Life Support care for acute Allergic Reaction Emergencies and explain the physiological changes that occur within the body during an anaphylactic reaction. 3. Read the regional treatment protocols on trauma and explain the pathology of traumatic injuries. Describe the signs and symptoms of perfusion compromise and the physiological effects on the body.

Writing, Problem Solving or Performance

1. Through required documentation, student will log all activities, track daily tasks, training discussions and any training activities, Advanced skills learned, training projects completed, and any type of new knowledge gained in the course of making actual patient contacts. 2. Student will complete a new patient care report (PCR) for all documentation of medical/legal activities involved with patient care, to include chief complaints, sign and symptoms, subjective and objective findings during the assessment, recording all trending of vital signs and any trending changes in the ongoing assessment, and document all patient procedures attempted, completed, and any new changes or results in overall patient condition.

Other (Term projects, research papers, portfolios, etc.) Required Materials

- Advanced Emergency Care and Transportation of the Sick and Injured
 - Author: American Academy of Orthopaedic Surgeons (AAOS), Mike Kennemer, Ed D.NREMT-P
 - Publisher: Jones and Bartlett Publishers
 - Publication Date: 2023
 - Text Edition: 4th
 - Classic Textbook?: No
 - OER Link:
 - OER:

Other materials and-or supplies required of students that contribute to the cost of the course.