

# EMS A160: EMT-1 RECERTIFICATION

Item	Value
Curriculum Committee Approval Date	12/06/2023
Top Code	125000 - Emergency Medical Services
Units	1 Total Units
Hours	24 Total Hours (Lecture Hours 24)
Total Outside of Class Hours	0
Course Credit Status	Credit: Degree Applicable (D)
Material Fee	No
Basic Skills	Not Basic Skills (N)
Repeatable	No
Open Entry/Open Exit	No
Grading Policy	Pass/No Pass (B)

## Course Description

New policies and procedures including the latest CPR techniques and procedures for new equipment, updates to the EMT-Basic's scope of practice within Orange County, the State and Federal guidelines, and review of the required EMT- Basic curriculum to the most up-to-date model. Provides 24 hours of Continuing Education as 24 Hour-Refresher Course. No skills testing provided. Formerly known as EMT A160. PREREQUISITE: Current EMT-1(Basic) certificate or certificate which has not expired by more than two years. Transfer Credit: CSU.

## Course Level Student Learning Outcome(s)

1. Compare and contrast new updates to the scope of practice of the EMT-B within Orange County, the State of California, and relative changes to Federal guidelines.

## Course Objectives

- I \*SCANS SKILLS
- I. 1. Compare and contrast old and new treatment modalities for medical, traumatic, and environmental emergencies.\*
- I. 2. Compare and contrast old and new treatment modalities for obstetrical and pediatric emergencies. \*
- I. 3. List the changes in life support measures and apply principles to patient care. \*
- I. 4. Demonstrate the new techniques for CPR according to the American Heart Association latest guidelines for the Healthcare Provider to include the AED.
- I. 5. Demonstrate use of new equipment available in prehospital care.
- I. 6. Discuss new developments in the emergency medical services and deduce how these affect job performance.\*

## Lecture Content

Among other resources EMS A160's curriculum is derived from the U.S. Department of Transportation (DOT) National EMS Education Standards (DOT HS 811 077A, January 2009) Additionally, the instructor on record of EMS A160 will provide or verify CPR training equivalent to the current American Heart Association's Guidelines for Cardiopulmonary

Resuscitation and Emergency Cardiovascular Care at the Healthcare Provider level is a prerequisite for admission to an EMT basic 24-Hour-Refresher Course. Session 1 Changes in Title 22 and how this impacts the EMT-1 Changes from Department of Transportation 1994 Curriculum to the National EMS Scope of Practice Model Update in patient assessment Scene size-up. Initial Assessment, Focused History and Physical, Ongoing Assessment Vital signs skin signs, level of consciousness AVPU versus Orientation X 4 Glasgow Coma Scale and Trauma Scale Update in roles and responsibilities Update in legal responsibilities Consent Refusal of treatment Designation of Orange County: Trauma Centers Cardiac Centers New communicable diseases with emphasis on community acquired MRSA and VRE Blood and airborne pathogens, OSHA requirements, standard precautions Changes in treatment of medical emergencies acute myocardial infraction (AMI) and complications stroke respiratory problems diabetes acute abdomen (non-traumatic) seizures, unconscious states new pharmacology protocols CPR Training Verify or provide training equivalent to the American Heart Association's Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care at the Healthcare Provider level. Session 2 Changes in treatment of traumatic emergencies bleeding/control of bleeding hypoperfusion trauma to head, neck, chest, abdomen, genitourinary, spine and extremities latest START program and JUMP START triage systems MVI and ICS and their relationship in disaster management update on American Heart Association guidelines, including practice review of new techniques AED module changes CPR written testing update in obstetrical emergencies Changes in emergency delivery procedures update on pediatric issues care of the newborn: APGAR scoring Resuscitation of the newborn Care of the new mother and delivery of the afterbirth Completing proper identification of both mother and newborn in case of separation SIDS Session 3 New treatment in drug and alcohol emergencies New policies related to behavioral problems restraint use consent and the use of law enforcement EMT safety New concerns for the geriatric patient including: Elder and dependent adult abuse, neglect and fiduciary abuse Special handling and packaging consideration for transportation Polypharmacology and its impact on patient presentation and challenges in prehospital care Update of social changes as they relate to ageism and its effect of healthcare Changes in presentation of elderly suffering from AMI and TIA versus Stroke Warning signs in the environment of elderly living situations Review and introduction to new and proposed new EMS equipment Session 4 Updates on the pediatric patient including: Recognition and reporting of neglect and abuse Childhood developmental stages and how they affect risk of disease and trauma and how to modify assessment techniques based upon developmental age of child Anatomical differences related to child's age and its affect on assessment and care Treatment of fevers Common pathophysiology and prehospital treatment of: Respiratory distress and Asthma, Croup and Epiglottitis Respiratory failure Respiratory arrest Caring for the family/care providers Drug use and abuse in pre-adolescent and adolescent children Ambulance Operations Weapons of Mass Destruction MCI, and disaster management Advanced airway techniques and the EMT's role Extrication and the EMT's role EMT safety Patient safety Review any additional material from the U.S. Department of Transportation (DOT) National EMS Education Standards (DOT HS 811 077A, January 2009).

## Lab Content

There is no formal lab component of this course. EMT-Basic skills may be reviewed as needed per student request, or to maintain compliance with changes mandated by the U.S. Department of Transportation (DOT) National EMS Education Standards (DOT HS 811 077A, January 2009), the State of California, or the Orange County Health Care agency

## Method(s) of Instruction

- Lecture (02)
- DE Live Online Lecture (02S)

## Instructional Techniques

Lecture, slides, videos and classroom simulations; demonstration of skills with return demonstrations by students

## Reading Assignments

Selected readings relevant to state and county EMS updates. Expected time of study outside of class: Depending on the students need for remediation, 2-8 hours of study per day of class would be expected. The nature of this course is not to teach students curriculum for the first time, but rather to refresh students on points in which they feel they require improvement. All students in this course have successfully completed an accredited EMT certification course before enrollment.

## Writing Assignments

Written homework assignments requiring short paragraphs and simulated patient care reports. Written assignments will be assigned at the instructors discretion after day one and day two of the three day class. Expected time of study outside of class: Depending on the students need for remediation, 2-8 hours of study per day of class would be expected. The nature of this course is not to teach students curriculum for the first time, but rather to refresh students on points in which they feel they require improvement. All students in this course have successfully completed an accredited EMT certification course before enrollment.

## Out-of-class Assignments

Selected readings, National Registry EMT skills review and preparation. The course is delivered over three days. Day one will include a brief overview of what will be covered during this three-day-course, then focus on core updates and curriculum in EMS as defined by the EMT Instructional Guidelines via the US DOT National EMS Education Standards DOT HS 811 077A Jan 2009. Students will focus on readings associated with their self evaluated weaknesses before day two and day three. Instructor assessments will assist the students with identifying academic areas that require improvement. Expected time of study outside of class: Depending on the students need for remediation, 2-8 hours of study per day of class would be expected. The nature of this course is not to teach students curriculum for the first time, but rather to refresh students on points in which they feel they require improvement. All students in this course have successfully completed an accredited EMT certification course before enrollment.

## Demonstration of Critical Thinking

Written tests; written homework assignments requiring short paragraphs; final written and practical exam

## Required Writing, Problem Solving, Skills Demonstration

Written homework assignments requiring short paragraphs

## Eligible Disciplines

Emergency medical technologies: Any bachelor's degree and two years of professional experience, or any associate degree and six years of professional experience. Nursing: Master's degree in nursing OR bachelor's degree in nursing AND master's degree in health education or health science OR the equivalent OR the minimum qualifications as set by the Board of Registered Nursing, whichever is higher. Master's degree required. Nursing science/clinical practice: Any bachelor's degree and

two years of professional experience, or any associate degree and six years of professional experience.

## Textbooks Resources

1. Required Mistovich. J., Hafen, B., Karren, K.. Pre-Hospital Emergency Care, 11th ed. New Jersey: Pearson/Prentice Hall, 2018 Rationale: -

## Other Resources

1. Basic Life Support (BLS) Provider Manual #15-1010. American Heart Association, Channing L Bete Co Inc; 1 edition (February 1, 2016) 2016.