
Guidelines for Conducting an Advanced Emergency Medical Technician (AEMT) Training Program

The following guideline, pursuant to Regulations Sec. 19a-179-17 (a), illustrates the components necessary to deliver a State OEMS approved AEMT program.

1) Program Requirements

- a) An application must be submitted to OEMS at least 30 days prior to the planned initiation of the training.
 - i) Such application shall be on a form prescribed by the department.
- b) Identification of a designated Program Director who will maintain (at a minimum) current CT licensure as a paramedic and certification as an EMS Instructor.
- c) An adequate educational infrastructure (educational space and supplies, laboratory resources, and clinical and field opportunities) for all training and testing activities sufficient for the number of participating students.
- d) Teaching equipment, comprised of computers, audiovisual equipment, educational support materials, emergency medical services equipment, disposable medical supplies sufficient for repetitive formative learning, and any other supplies and equipment which are necessary to provide effective instruction for the level of training and scope of practice. All training equipment shall be in sound operating condition, current with protocols and practice.
- e) Sufficient number of credentialed administrative and faculty/staff members to support the program. Those members shall possess qualifications to satisfy the requirements to fulfill the roles within the program such as:
 - (i) Program Director
 - (ii) Medical Director
 - (iii) Lead Instructor (if different than Program Director)
 - (iv) Assistant Instructors
 - (v) List of Clinical site(s)
 1. Address(es), contact person(s) and contact information
 - (vi) List of Field service(s)
 1. Address(es), contact person(s) and contact information
- f) A Certificate of Insurance which demonstrates that Medical/Professional Liability Insurance is in force for all students and faculty.

2) Program records/documentation

- a) A Student Manual, to include at a minimum:
 - (1) Program Policies and Procedures
 - (2) Instructor(s) names and contact information
 - (3) Course calendar with respective class assignments
 - (4) Attendance requirements
 - (5) Required textbooks and resources students may need to purchase
 - (6) Clinical and field guidelines, procedures, behavior and skill competency expectations
 - (7) Statements regarding patient confidentiality and HIPPA regulations
 - (8) Guidelines regarding students ADA disclosure and accommodations procedure
- b) A record of student activities maintained in sufficient detail to describe/reflect individual students' learning progress and achievements, including program required minimum competencies in all learning domains, including:
 - i) Didactic/cognitive
 - ii) Laboratory/psychomotor skills
 - iii) Clinical and field service experiences/internship phases of the program.
 - (1) The program must track and document that individual students successfully meet all established minimum patient/skill requirements for course completion, according to patient age-range, chief complaint, and interventions as required in 2009 National EMS Educational Standards.

3) Student Eligibility:

- a) Students accepted into the program must:
 - i) Possess current National Registry certification at Emergency Medical Technician status OR
 - ii) Current certification as a State of Connecticut Emergency Medical Technician

4) Curriculum Guidelines

- a) The curriculum must ensure the achievement of program goals and learning domains.
- b) Instruction must be presented in an appropriate sequence of classroom, laboratory, clinical/field experience, and field internship activities.
- c) Progression of learning must be didactic/laboratory integrated with or followed by clinical/field experience followed by the capstone field internship, which must occur after all core didactic, laboratory, and clinical experience.
- d) Instruction must be based on clearly written course syllabi that include course description, course objectives, methods of evaluation, topic outline, and competencies required for course completion.
- e) The program must demonstrate by comparison that the curriculum offered meets or exceeds the content and competency of the latest edition of the National EMS Education Standards.

- f) The program must set and require minimum numbers of patient/skill contacts for each of the required patients and conditions listed in the Education Standards. The acquisition of the minimum numbers must be tracked and stored in a manner that allows review of individual students' achievement.
- g) The program must consist of instruction that extends from 150 to 250 hours beyond those required for EMT training.
- h) The program must possess a Certificate of Insurance which demonstrates that Medical/Professional Liability Insurance is in force for all students and faculty.

5) Didactic Content

- a) Preparatory
- b) Pathophysiology
- c) Anatomy and Physiology
 - A. Cells
 - B. Skeletal/muscle tissue
 - C. Circulatory
 - D. Lymphatic/Immune
 - E. Respiratory
 - F. Nervous System
 - G. Gastrointestinal
 - H. Metabolism/Acid-Base/Fluids
 - I. Reproductive/Urinary
 - J. Endocrine
 - K. Integumentary
 - L. Special sensory
- d) Lifespan development
- e) Public Health
- f) Pharmacology
- g) Airway Management, Respiration, Artificial ventilation
- h) Patient Assessment
- i) Critical Thinking
- j) Medical Emergencies
- k) Trauma Emergencies
- l) Shock and Resuscitation
- m) Special Patient Populations
- n) EMS Operations

6) Required skills

- a) IV Access and fluid management
- b) Pediatric IO Access and fluid management
- c) Anatomy and Physiology

- d) Cardiac Arrest management
- e) Medication administration
 - A. Nebulized / inhalation
 - B. Oral
 - C. Sublingual
 - D. Intranasal
 - E. Intramuscular
 - F. Intravenous
- f) Airway/ventilatory management - adult & pediatric
 - i) Combitube
 - ii) Supraglottic airways
- g) Patient assessment and management
- h) Bleeding control and shock management

7) Clinical Experience (NEMSES guidelines)

- a) The student must demonstrate the ability to:
 - A. Safely administer medications, properly performing all steps of each procedure, at least 15 times to live patients with at least one successful administration in each modality – nebulized, oral, sublingual, intranasal, intramuscular, intravenous.
 - B. Safely gain vascular access, while performing all steps of each procedure, successfully on at least 25 live patients of various age groups.
 - C. Effectively ventilate un-intubated patients of all age groups, while performing all steps of each procedure, on at least 20 live patients of various age groups.
 - D. Perform an adequate assessment and formulate and implement treatment plans for patients with chest pain.
 - E. Perform an adequate assessment and formulate and implement treatment plans for patients with respiratory distress.
 - F. Perform an adequate assessment and formulate and implement treatment plans for patients with altered mental status.
 - G. Perform adequate assessments and formulate treatment plans for adult, pediatric and geriatric patients.
- b) Field Internship
 - i) As a student member of an EMS service, must function effectively in the role of team leader.
 - ii) Be evaluated as entry-level competent by prepared Field Preceptor/Evaluator.

8) Program Completion

- a. In addition to meeting all classroom, skills, clinical and field requirements, the student must:
 - i. Successfully complete a program summative written exam.
 - ii. Successfully complete a program summative practical exam.

- b. The instructor must complete the required course completion form and submit it to OEMS.

9) State of Connecticut certification eligibility requirements

- a. Successful completion of State of Connecticut approved AEMT training program.
- b. Successful completion of National Registry Advanced level practical exam.
- c. Successful completion of National Registry Advanced EMT certification exam.
- d. Submission and approval of State of Connecticut application for AEMT certification.