



Ohio Administrative Code

Rule 4765-16-06 Advanced emergency medical technician curriculum.

Effective: January 1, 2024

[Comment: For dates and availability of material incorporated by reference in this chapter see rule 4765-1-03 of the Administrative Code.]

(A) An EMS training program for a certificate to practice as an advanced emergency medical technician shall be conducted in accordance with division (D) of section 4765.16 of the Revised Code and this rule. The EMS training program shall be conducted in accordance with the "National EMS Education Standards" approved by NHTSA, the "Ohio Approved EMS Curriculum Standards" approved by the board, and consistent with the scope of practice set forth in rule 4765-16-04 of the Administrative Code. The above referenced national and Ohio approved standards are required core competencies for instruction in an EMS training program. Elements of the scope of practice not referenced in the "National EMS Education Standards" or the "Ohio Approved EMS Curriculum" are added competencies that may be taught at the discretion of the EMS training program. Such EMS training program shall consist of a minimum of two hundred hours to include all of the following:

- (1) Preparatory;
- (2) Anatomy and physiology;
- (3) Medical terminology;
- (4) Physiology;
- (5) Life span development;
- (6) Public health;
- (7) Pharmacology;



- (a) Sublingual nitroglycerin;
 - (b) Dextrose in water;
 - (c) Epinephrine at the concentration of one milligram per milliliter;
 - (d) Diphenhydramine;
 - (e) Benzodiazepines;
 - (f) Bronchodilators;
 - (g) Naloxone;
 - (h) Glucagon;
 - (i) Nitrous oxide;
 - (j) Nalbuphine;
 - (k) Narcotics or other analgesics for pain relief;
 - (l) Lidocaine, for pain relief after intraosseous infusion;
 - (m) Oral ondansetron;
 - (n) Any additional drug approved by the board.
- (8) Airway management, respiration, and artificial ventilation, to include:
- (a) Orotracheal intubation with apneic patients to include insertion of endotracheal, extraglottic and dual lumen airway devices;



- (b) Laryngoscopy for the removal of airway obstruction;
- (c) Tracheostomy tube replacement and suctioning;
- (d) Continuous positive airway pressure device administration and management;
- (e) End tidal carbon dioxide monitoring and detection.
- (9) Patient assessment;
- (10) Medicine, to include the following:
 - (a) Manual defibrillation;
 - (b) Cardiac monitor strip interpretation;
 - (c) Intraosseous insertion;
 - (d) Chest compression assist devices.
- (11) Shock and resuscitation;
- (12) Trauma, to include:
 - (a) Trauma triage determination pursuant to rule 4765-14-02 of the Administrative Code;
 - (b) Needle decompression of the chest.
- (13) Special patient populations;
- (14) A minimum of two hours on identifying and interacting with individuals with dementia;
- (15) EMS operations.



(B) During the training program, students must demonstrate competencies by successfully performing the following skills on patients unless otherwise noted:

(1) A minimum of five intravenous accesses;

(2) A minimum of three intubations, which may be completed on a mannequin;

(3) A minimum of three insertions of extraglottic airway devices, which may be completed on a mannequin;

(4) A minimum of three insertions of dual lumen airway devices, which may be completed on a mannequin;

(5) A minimum of one subcutaneous injection, which may be completed on a mannequin or simulator;

(6) A minimum of three intramuscular injections;

(7) A minimum of twenty patient assessments, including medical and trauma assessments, to be performed on all age groups;

(8) A minimum of two intravenous medication administrations;

(9) A minimum of two intraosseous infusions, which may be completed on a mannequin;

(10) A minimum of one manual defibrillation, which may be completed on a mannequin or simulator;

(11) A minimum of three bronchodilator administrations.

(C) An accredited institution offering an EMS training program as outlined in paragraphs (B) and (C) of this rule, shall provide for regular written and practical skills evaluations of student performance



and achievement throughout the course of the program. Evaluations shall include a comprehensive written examination and an examination of practical skills, prior to issuance of a certificate of completion.

(D) An advanced emergency medical technician refresher training program shall consist of forty hours according to the "Advanced Emergency Medical Technician Refresher Training Program" education standards approved by the board and for the number of hours as follows:

- (1) Eight hours on pediatric issues;
- (2) Eight hours on trauma issues;
- (3) Eight hours on medical emergencies;
- (4) Four hours on geriatric issues;
- (5) One hour on identifying and interacting with individuals with dementia;
- (6) Five hours on cardiac emergencies;
- (7) Two hours on airway and ventilation;
- (8) Two hours on EMS operations;
- (9) Two hours on obstetrics and gynecology.

(E) An accredited or approved institution offering a refresher program, as outlined in paragraph (E) of this rule, shall provide for regular evaluation of student performance and achievement through written and practical examinations, prior to issuance of a certificate of completion.