

AEMT CLINICAL AND FIELD EXPERIENCES
PERCOM Online, Inc. AEMT Program
EMERGENCY MEDICAL SERVICES ACADEMY
For Students who wish to certify at AEMT

Course Syllabus

TARGET AUDIENCE: Candidates for this program must be and remain certified as at least EMT level as well as an American Heart Association BLS Provider card. Students will be required to produce and maintain evidence on file of a current NREMT or TDSHS certification at EMT or higher and the AHA BLS card prior to being cleared to schedule for rotations, and these must remain current until all rotations are complete. Rules and paperwork requirements vary for individual clinical or field sites and even some states. Other documentation may be required for individual sites or even for rotating in other states and must be completed before schedule requests will be initiated for those sites.

Students also must be cleared for rotations. For students who wish to certify NREMT-Advanced, successful completion of the P1 Final Exam and P1 Skills Testing is required. Students must also submit all clinical documentation and requirements. This information and the preferred method for submission is located inside the course at percomcourses.com under the link entitled "Clinical Registration". Once all requirements are submitted and accepted, the student will receive a uniform shirt, nametag, tablet PC (if requested for loan), and emailed instructions. All scheduling will then be coordinated through the Clinical Coordinator or designee.

PROGRAM GOALS AND EXPECTED OUTCOMES: PERCOM EMS Medical Education Consortium and PERCOMOnline, Inc. strive to ensure that competent, entry-level students graduate, become certified or licensed and move into patient care jobs and volunteer positions that continue to be desperately needed in the community. Students who wish to certify as NREMT-Advanced must successfully complete all Program AEMT Clinical and Field rotation requirements. If the student is enrolled in the PERCOM EMS Medical Education Consortium Paramedic program, these requirements are a subset of the overall rotation requirements for Paramedic and credit will be granted toward completing those requirements. However, students rotating at this level will function **ONLY** at the maximum level of skills completed in the P1/AEMT Lab Skills Practice and Testing Session while in the Clinical and Field rotation environments and until cleared to begin Paramedic rotations after completion of the P2 summative final exam and skills testing.

The following outcomes and objectives have been adopted and must be demonstrated by each student prior to successful completion of this program.

Student Learning Outcomes Statements

Objectives

The program prepares its graduates to:

- Demonstrate individual professional behaviors consistent with employer and community expectations of an entry-level AEMT.

- Demonstrate technical proficiency in all of the skills identified for the role of an entry-level AEMT.
- Comprehend, apply, and evaluate information relative to the expected duties, roles and responsibilities of the entry-level AEMT.

Expected Outcomes

Students in the program will demonstrate:

1. Cognitive knowledge level expected of an entry level AEMT and as necessary to function in a healthcare setting.
2. General medical knowledge expected of an entry level AEMT and as necessary to function in a healthcare setting.
3. The ability to collect data from charts and patients and appropriately interpret that data.
4. The ability to thoroughly assess a patient utilizing various diagnostic tools and procedures.
5. The ability to recommend appropriate therapeutic procedures and make sound patient care judgments as expected of an entry level AEMT.
6. The ability to perform a broad range of clinical skills, procedures and equipment.
7. The ability to communicate and interact effectively with non-clinical and clinical persons in various healthcare and scene environments.
8. The ability to present oneself in an ethical and professional manner.
9. The ability to manage time efficiently while functioning in a healthcare setting.
10. The ability to use critical thinking skills to assess and treat patients in emergency settings.

METHODS OF EVALUATION: To graduate from the AEMT program, students must demonstrate minimum levels of competency in the following areas: cognitive (knowledge), psychomotor (skills and hands-on type performances) and affective (behavior and attitude). The last area, affective, involves the student's ability to demonstrate the following characteristics throughout the program, and students will be graded on each at various stages and throughout the entire course: integrity, empathy, self-motivation, appearance and personal hygiene, self-confidence, communications, time management, teamwork and diplomacy, respect, patient advocacy, and careful delivery of service.

Following passing the summative P1 Final Exam and all Skills Testing components and competencies, students who wish to test NREMT-Advanced will schedule and complete the Clinical and Field Rotation requirements subset as described in this syllabus and in the AEMT Clinical Manual. These requirements target not only hours, departments, and types of agencies or services, but also have minimum requirements for certain patient age categories and conditions, as well as minimum skills requirements. This consists of minimum of 168 total hours. More hours may be necessary to complete other minimum requirements.

The necessary minimum components that must be met include the following. Some of these requirements will be met during Scenario/SIM labs, and students may request alternative methods (Rotation Scenario/SIM labs through PERCOM or other entities) if difficulty is met completing all requirements during normal rotation pathways and timeframes, and as approved by the Clinical Coordinator, Program Director, and Lead Medical Director.

Hours Required: EMS – 72 Hours
Hospital ER – 56 Hours Hospital OB – 16 Hours
Hospital Respiratory Dept. – 8 Hours
Hospital OR – 16 Hours

Total Required Hours – 168 Hours

Contacts Required:

EMS – Fifteen (15) EMS transports, Five (5) must be advanced transports

Medical Patient Contacts – 25 total from below categories (minimums must be met but the remaining ones can be from any category):

OB patient contacts – 5
Live birth witnessed –2
Newborn Care (associated with Normal Birth) – 4
Assessment of Newborn – 2
Abnormal Delivery with Newborn Care - 2

Chest Pain patient - 2Respiratory Distress/Failure patients –1
Psychiatric/behavioral patients – 3
Altered mental status patients –1
Stroke/TIA patients– 1
Abdominal pain patients – 1
Hypoglycemia/DKA/HHS patients – 1
Sepsis patients – 1
Shock patients– 1
Toxicological Events/OD patients– 1

Trauma Patient Contacts – 20 (of which the following minimum contacts must be met):
Pediatric Trauma – 3 (Defined as Birth to 18 yo)Geriatric Trauma – 3 (Defined as 65 yo +/- 5 years and up)
Remaining Contacts Can Be Adult, Geriatric or Any Age

Of ALL Pediatric Contacts between Medical and Trauma Categories must have at

least:

Adolescent (12-18 yo) Contacts – 1
School-Age (6-12 yo) Contacts – 1
Preschool (3-6 yo) Contacts – 1
Toddler (1-3 yo) Contact - 1
Infant (28 days to 1 yo) Contacts – 1
Neonate (up to 28 days) Contacts – 1

TOTAL minimum Medical/Trauma Pediatric Contacts – 6 (3 Trauma and 3 Medical)- Defined as Birth to 18 yo

TOTAL minimum Medical/Trauma Adult Contacts – 12 (6 Trauma and 6 Medical) – Defined as 18 yo to 65 yo)

TOTAL minimum Medical/Trauma Geriatric Contacts – 6 (3 Trauma and 3 Medical) – Defined as 65 yo +/- 5 years and up)

Remaining Contacts can be Adult or Any Age.

Skills Required:

- Successful IV administration – 20 times
- Successful blood draw – 10 times
- O2 Administration – 1
- Glucometer - 1
- Direct Orotracheal Intubation Adult – 6 times
- Direct Orotracheal Intubation Pediatric – 6 times
- Ventilations performed – 3 times
- Trauma Endotracheal Intubation Adult – 1
- Supraglottic Airway Insertion – 6
- CPAP/PEEP – 1

Medication admin. – TOTAL 8 times
(to include following minimums):

- IV Bolus Med – 5
- IM/SQ Med – 1 of each
- Inhaled Med - 1

10 Airway Management (ALL types of airway management to include oxygen therapy, airway positioning, basic adjuncts, suction, alternative airways, advanced airways of other types, etc.)

- Pt Hx Alert Pt – 4
- Comprehensive Normal Pt Ass. Pediatric – 4
- Comprehensive Normal Pt Ass. Adult/Geriatric – 4
- Trauma Physical Ass. Adult/Geriatric – 4
- Cardiac Physical Ass. Adult/Geriatric - 5

DISABILITIES OR HANDICAPS: Students who enter the program with a disability or handicap must notify the course coordinator or lead instructor by the beginning of the third class. Any alterations in testing or clinical rotations during the course do not ensure that the same alteration will be made for the student in the national-testing situation. If a student needs accommodation for a disability at a national-testing site, the student must notify the coordinator by the beginning of the third class. Any accommodation for disability at the national-testing site must

be pre-arranged with the national examination program. It is not the responsibility of PERCOM to arrange or make decisions regarding the national approval of any disability or handicap that might affect the candidate during the testing process, nor does PERCOM take any responsibility for any refusal or denial of lack of acceptance by the national examination or state certifying organizations. Disabilities and Handicaps that are to receive an accommodation at the national-testing site shall be confirmed by a physician's statement of disability/handicap or any other requirements as listed by the national testing or state certifying organizations or agencies.

SCHOLASTIC DISHONESTY: Students are responsible for adhering to the PERCOM policy on academic dishonesty on Pgs. 26-27 of the online Student Handbook located at the web address below:

<https://www.percomcourses.com/percom-policies>

Students should also read this entire Handbook for all general Rules and Policies governing the Program and its students.

CLASS DATES AND TIMES: Rotation dates and times are site dependent and scheduled through the appropriate scheduling system in coordination with the Clinical Coordinator. Once a rotation is scheduled, students must follow appropriate procedures as outlined in the Clinical Manual to “call off” if an emergency arises that precludes the student from attending the scheduled rotation. Cancellations without following the appropriate procedure or abuse of the policy (multiple cancellations) may result in “no show” fees being assessed against the student. Fees must be paid if assessed for rotations to continue or prior to course completion being achieved if necessary. Student requested dates must be held open by the student until either the request is confirmed or denied by the site, which could be up to the day before the rotation. Students who are confirmed for a rotation date request but have made other plans and wish to cancel will be responsible for paying the “no show” fee and may be subject to counseling or other disciplinary action.

Successful completion of all documentation requirements and preceptor evaluations and signatures is required for credit for each rotation. *Students are responsible for completing these requirements and documents and assuring that preceptor evaluations and signatures are complete as directed in the Clinical Manual to receive credit for each rotation.* Incomplete documentation, missing signatures, or missing forms can cause the student to have to receive no credit for the rotation and have to complete the rotation, hours, contacts, skills, etc. so it is imperative that students familiarize themselves with all clinical instructions, the AEMT Clinical Manual, all forms required, platinumplanner.com, and the Student Handbook before attending any rotations. Any questions about these items or requirements should be directed to the Clinical Coordinator.

**Required
Materials:**

Clinical Manual
Clinical Objectives
Hard Copy Backup Rotation Documentation Materials (in case of internet, tablet or preceptor issues)
Hard Copy Preceptor Verification Forms for every shift
Tablet PC or other electronic device capable of viewing and documenting through platinumplanner.com

Established Course for Clinical and Field Rotations as directed in platinumplanner.com
PERCOM Uniform Shirt and other uniform requirements as outlined in the Student Handbook and
Clinical Manual
PERCOM Student Nametag/ID
Watch with second hand
Stethoscope
Black inkpens

Primary Instructor: Tammy Williams, TDSHS Paramedic, Clinical Coordinator

(clinicalcoordinator@percomonline.com)

AEMT CLINICAL OBJECTIVES

Students should familiarize with the list of objectives and department specific objectives in this document. While it may be possible to achieve ALL objectives during rotations, students must make an attempt to perform or participate in as many of these objectives as possible to maximize experiences and exposures. All of these objectives have been covered in didactic and/or lab portions of this program as appropriate.

- 7.0 Infection control and safety
 - 7.1 Demonstrate safe methods for lifting and moving patients in emergency and non-emergency situations.
 - 7.2 Demonstrate the proper procedures to take for personal protection from disease.
 - 7.3 Demonstrate the use of protective equipment appropriate to the environment and scene.
 - 7.4 Demonstrate the ability to comply with body substance isolation guidelines.
 - 7.5 Demonstrate the donning and doffing of appropriate PPE.
 - 7.6 Demonstrate how to safely place a patient in, and remove a patient from, an ambulance.

- 8.0 Venous Access and Medication Administration
 - 8.1 Demonstrate cannulation of peripheral or external jugular veins.
 - 8.2 Demonstrate intraosseous needle placement and infusion.
 - 8.3 Demonstrate clean technique during medication administration.
 - 8.4 Demonstrate administration of meds via the following routes:
 - 8.4.1 Oral/Sublingual
 - 8.4.2 Inhalation
 - 8.4.3 Rectal
 - 8.4.4 Parenteral
 - 8.4.5 IVP
 - 8.4.6 Subcutaneous
 - 8.4.7 Intramuscular
 - 8.4.8 Nasal
 - 8.5 Demonstrate preparation and techniques for obtaining a blood sample.
 - 8.6 Demonstrate proper disposal of contaminated items and sharps.

- 9.0 Airway Management and Ventilation
 - 9.1 Perform body substance isolation procedures during basic airway management, advanced airway management, and ventilation.
 - 9.2 Perform pulse oximetry.
 - 9.3 Perform end-tidal CO₂ detection.
 - 9.4 Perform manual airway maneuvers
 - 9.5 Perform manual airway maneuvers for pediatric patients.
 - 9.6 Perform complete airway obstruction maneuvers.
 - 9.7 Demonstrate suctioning the upper airway.
 - 9.8 Perform tracheobronchial suctioning in the intubated patient.
 - 9.9 Demonstrate insertion of a nasogastric tube.

- 9.10 Demonstrate insertion of an orogastric tube.
- 9.11 Perform gastric decompression.
- 9.12 Demonstrate insertion of an oropharyngeal airway.
- 9.13 Demonstrate insertion of a nasopharyngeal airway.
- 9.14 Demonstrate ventilating a patient.
- 9.15 Perform oxygen delivery with an oxygen cylinder and various delivery devices.
- 9.16 Perform endotracheal intubation.
- 9.17 Perform assessment to confirm correct placement of the endotracheal tube.
- 9.18 Adequately secure an endotracheal tube.
- 9.19 Perform extubation.
- 9.20 Perform insertion of a Combitube or LMA.
- 9.21 Perform assessment to confirm correct placement of the Combitube or LMA.

10.0 Patient Assessment

- 10.1 Demonstrate the skills involved in performing each phase of the patient assessment skill.
- 10.2 Demonstrate a caring attitude when performing physical examination skills.
- 10.3 Demonstrate proficiency in the assessment of vital signs.
- 10.4 Perform assessments on each of the following patient contact types:
 - 4.4.1 OB
 - 4.4.2 Newborn
 - 4.4.3 Chest Pain
 - 4.4.4 Respiratory Distress/Failure
 - 4.4.5 Psychiatric/Behavioral
 - 4.4.6 Altered Mental Status
 - 4.4.7 Stroke/TIA
 - 4.4.8 Abdominal Pain
 - 4.4.9 Hypoglycemia/DKA/HHA
 - 4.4.10 Sepsis
 - 4.4.11 Shock
 - 4.4.12 Toxicological Events/OD

11.0 Communications

- 11.1 Demonstrate the ability to use the local dispatch communications system.
- 11.2 Demonstrate the ability to use a radio.
- 11.3 Demonstrate the ability to therapeutically communicate with patients, bystanders, preceptors, fire personnel, law enforcement personnel, and other healthcare personnel.

12.0 Foley catheterization

- 12.1 Demonstrate the proper technique and procedure for insertion of a Foley catheter.

6.0 EMS Field Objectives

- 6.1 Perform assessments, treatments, and interventions at EMT-Intermediate/AEMT student level of patients with various complaints.
 - 6.1.1 Must complete a minimum of fifteen (15) EMS transports, and at least five (5) of those transports must be advanced level.

AEMT CLINICAL AND INTERNSHIP OBJECTIVES SUMMARY BY DEPARTMENT

Surgery/OR Objectives

During the experience in the Surgery room, the AEMT student should practice under direct supervision and demonstrate proficiency for each of the following:

- Perform endotracheal suctioning.
- Maintain airway in an unconscious patient using manipulations and position of head, oropharyngeal airways, etc.
- Monitor vital signs of the surgical patient.
- Operate oxygen equipment and assist in the operation of the mechanical respirators.
- Perform endotracheal and supraglottic intubation.
- Perform peripheral IV insertion.

Performance of skills contained in the clinical internship objectives shall be based on performance criteria established by standard medical practice and course medical director.

Pediatric Contact Objectives

During the rotation experiences, the AEMT student should practice under direct supervision and demonstrate proficiency for each of the following:

- Perform patient assessment including relevant medical history and physical examination. The minimum should include taking and recording vitalsigns and auscultation of lungsounds.
- Assist in the management of febrile and seizure patients, if available.
- Initiate and monitor intravenous infusions, if available.
- Observe physiological differences in the pediatric patient.
- Prepare and administer intramuscular and IV medications, if available.

Performance of skills contained in the clinical internship objectives shall be based on performance criteria established by standard medical practice and course medical director.

Labor and Delivery Objectives

During the experience in the labor and delivery unit, the AEMT student should practice under direct supervision and demonstrate proficiency for each of the following:

- Identify and label the three stages of labor, common complications, and abnormal deliveries.
- Assist in normal cephalic deliveries.
- Observe and assist, if possible, in abnormal deliveries.
- Assist in the management of the newborn, including cutting the cord and suctioning.
- Assist in the resuscitation of the newborn.
- Observe and assist, if possible, the control of postpartum hemorrhage by uterine massage and infusion of oxytocin.

Performance of skills contained in the clinical internship objectives shall be based on performance criteria established by standard medical practice and course medical director.

Respiratory Therapy Objectives

During the respiratory therapy clinical experience, the AEMT student should practice under direct supervision and demonstrate proficiency for each of the following:

- Assist with nebulizer treatments as allowed.
- Auscultate lung sounds before and after treatments to differentiate various pulmonary lung sounds.
- Assist with suctioning as allowed.
- Perform endotracheal intubation, as allowed.
- Assist with Ventilator as allowed.
- Assist with stoma patients as allowed.

Performance of skills contained in the clinical internship objectives shall be based on performance criteria established by standard medical practice and course medical director.

Emergency Room Objectives

During emergency room experience, the AEMT student should practice under direct supervision and demonstrate proficiency for each of the following:

- Perform patient assessment including relevant medical history and physical examination. The minimum should include taking and recording vital signs and auscultation of lung sounds.
- Assist and review the treatment of trauma cases and medical emergencies.
- Assist in triaging patients.
- Assist in hemorrhage control and splinting.
- Assist in the performance of CPR and basic airway management.
- Assist in administration of Epinephrine for use in treatment of allergic reactions.
- Assist in use of bronchodilator.
- Perform peripheral IV insertions.
- Draw blood samples.
- Perform endotracheal and supraglottic intubations. *
- Prepare and administer intramuscular, subcutaneous, and IV medications.
(Appropriate meds for P1)
- Perform urinary catheterization.

Performance of skills contained in the clinical internship objectives shall be based on performance criteria established by standard medical practice and course medical director.

* Indicates optional skills that may be performed if allowed.

Field Internship Objectives

During the experience in the field internship, the AEMT student should practice under direct supervision and demonstrate proficiency for each of the following:

- Locate, inspect, and prepare each piece of equipment for use on the ambulance.
- Practice loading and unloading the ambulance stretcher with and without a load.
- Perform patient assessments on medical patients, unconscious patients, trauma patients, and pediatric patients.
- Assist in triaging patients.
- Assist in hemorrhage control and splinting.
- Assist in cases of cardiac arrest, including the performance of CPR.
- Assist in basic airway management.
- Assist in the use of Bronchodilators.
- Perform peripheral IV insertions.
- Draw blood samples.
- Perform Endotracheal and Supraglottic Intubations.
- Prepare and administer intramuscular, subcutaneous, and IV medications.
(Appropriate meds for P1)

Performance of skills contained in the clinical internship objectives shall be based on performance criteria established by standard medical practice and course medical director.

*Indicates optional skills that may be performed if allowed.