

PERCOM EMS Medical Education Consortium Paramedic Program

PARAMEDIC P1/AEMT DIDACTIC PERCOM Online, Inc. AEMT Program EMERGENCY MEDICAL SERVICES ACADEMY

Course Syllabus

TARGET AUDIENCE: Candidates for this program must be and remain certified as at least EMT level. Students will be required to produce and maintain evidence on file of a current NREMT or TDSHS certification at EMT or higher prior to attending the first session in Texas. Rules in other states in which skills sites are located may vary, and students may be required to meet those individual state requirements.

Human Anatomy and Physiology course(s) is/are considered to be a pre-requisite for this Program. However, if students have not completed this prior to enrolling for this program, successful completion of the Program chosen Anatomy and Physiology course will be required. All students who can produce evidence of completion of the full Human Anatomy and Physiology components from another school via transcript will be required to take and pass the online final exam for the PERCOM Anatomy and Physiology course online prior to beginning Paramedic 2 content for full credit toward program completion requirements, subject to Program Director approval. Challenge students who do not pass the A&P final exam on the first attempt will be required to complete the entire A&P course and pass the final exam for credit. Those who do not hold those transcripts verifying successful completion of college level Human Anatomy and Physiology in its entirety or its equivalent will be required to complete the entire Program selected A&P course.

PROGRAM GOALS AND EXPECTED OUTCOMES: PERCOM EMS Medical Education Consortium strives 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. To achieve this overall course goal, the Paramedic Program is broken into 2 primary Paramedic course segments, Paramedic 1 and Paramedic 2 (P1 and P2). (Students seeking only NREMT-Advanced – AEMT certification will only be required to complete P1, P1 labs and P1 clinical and field rotations.) Students who wish to be eligible for Paramedic certification must successfully complete both P1 and P2 segments, including associated Labs, Clinical and Field Experiences, Final Field Internship and a summative Graduate Scenario Examination with the Medical Director. The following outcomes and objectives have been adopted and must be demonstrated by each student prior to successful completion of the 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 paramedic.

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

Expected Outcomes

Students in the program will demonstrate:

1. Cognitive knowledge level expected of an entry level paramedic and as necessary to function in a healthcare setting.
2. General medical knowledge expected of an entry level paramedic 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 paramedic.
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 P1/AEMT program segment, 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.

Students proceed through the didactic portion of the program, which is delivered in various methods but not limited to textbook reading, online presentations, videos, "hand-outs", links to outside sources of learning, chat rooms, forums and other means. Students are required to submit homework assignments (most are essay or fill in the blank in nature) that demonstrate a minimum level of cognitive "grasp" of the material covered. The Lead Instructor may return the assignment to the student one or more times with feedback and instructions for improvement prior to assigning a final grade. Students will also complete a series of "Research Exams", which are designed to allow the student to research material as necessary and help guide learning, prior to submitting the exam for grading. During this process, students are required to maintain a minimum course average of 80%. Once all didactic requirements are met and graded, students are required to take a proctored webinar based multiple choice Final Exam and must

pass with a minimum of 70%. If the student fails the first attempt, he/she is allowed a second attempt after paying a retest fee, but the grade that must be attained on the retest will be a minimum of 80% to pass. If the student fails the second attempt on the Final Exam, he/she will be required to seek outside tutoring from a state or nationally certified EMS instructor per policy and at the student's expense, be cleared by this instructor for retest, pay the retest fee and schedule and pass the retest with a minimum grade of 80% by the deadline designated by the Program Director or designee to pass this component of the course. Students who wish to test NREMT-Advanced (AEMT) will be required to complete another section of the course at the bottom with associated homework/Research Exam(s) prior to scheduling for and taking the P1 Final Exam.

Students will also be required to practice and successfully demonstrate minimum levels of competency on designated psychomotor skills and skills competencies to include formative and summative scenario practice and testing. This segment of the Program is called "Lab Practice/Testing Skills Sessions for P1". Please refer to that syllabus for information on that segment of the Program.

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 for that level. 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. The subset is a minimum of 168 total hours. More hours may be necessary to complete other minimum requirements. (This segment of the program is for students planning to test NREMT-Advanced – AEMT only and is called "Clinical and Field Experiences P1/AEMT". Please refer to that syllabus for further information.)

Students who pass each above component (didactic through final exam, skills practice and testing, AEMT subset of Paramedic rotations) will be granted course completion and cleared to test for NREMT-Advanced certification. Students who choose not to test NREMT-Advanced but have completed didactic through passing the P1 final exam may be cleared to start P2 didactic if cleared by the Program Director and the Payments Manager.

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: Didactic class times vary and are student dependent except for chat sessions, which are typically offered on Tuesday evenings at 6:00 p.m. Texas time. However, schedule changes will be posted on the Chat Room calendar and/or in the P1 Course Blog or Newsfeed at percomcourses.com . Students are required to log in and do coursework once each week minimum as “roll call” throughout the program and may be dropped from the course for non-participation for not meeting this standard. Students are required to read ALL blog, Newsfeed and School Announcements Archives Posts and watch these spots regularly for additional postings. Skills sessions are scheduled and posted on the Course Calendar. Start times for scheduled sessions vary by site but will be distributed to confirmed students in advance. Students who cannot fit the posted skills sessions into their busy schedules may request “one on one” skills sessions but they are based on site/instructor availability and have associated fees not covered in base tuition. Rotation dates and times are site dependent as scheduled through the appropriate scheduling system and through the Clinical Coordinator.

Recommended

Textbooks: Nancy Caroline “Emergency Care in the Streets”

Primary Instructors: Gabriel Helms, B.S., EMT-P, NREMT-P,
(gabrielhelms@percomonline.com)

Rick Moore, RN, LP,NRP
(rickmoore@percomonline.com)

PERCOMOnline, Inc/Kilgore College Consortium
EMT-Paramedic 1/Intermediate/Advanced EMT CLASS AND BEYOND

Course Schedule

Hours	Topic
1.75	Mandatory Assessments
3	Mandatory Chat Room x 3
1	Course Orientation
0.5	What I Must Do Assignment
4	Lesson 1: EMS Systems, Roles, and Responsibilities
2	Lesson 1: Medical/Legal QA/QI
0.75	Exam 1
1.5	Lesson 1: EMS Research
3	Lesson 2: The Well-Being of the Paramedic/.Infectious Diseases
2	Infection Control Videos/CDC/Ebola
1	Exam 2
1	Lesson 3: Illness and Injury Prevention/Implementation of Prevention Strategies
1	Exam 3
2	Lesson 4: Legal Issues/Accountability
2	Lesson 4: Paramedic/Pt Relationships
1	Lesson 5: Ethical Issues
3	Lesson 5: Issues in Resuscitation/Documentation
1.25	Exam 4 (content from any or all of the above topics)
28	Lesson 6: Pathophysiology/Acid Base Balance/Shock/Genetic and Familial Diseases/Disease Self Defense/Inflammation/Immunity
1.25	Exam 5

8	Lesson 7: Pharmacology/Drug Classifications/ ECG Basics
1.5	Drug Calculations Assignment
7	Lesson 8: Vascular Access/Medication Administration and Videos
1	Exam 6
3	Lesson 9: Human Development
5	Lesson 10: Therapeutic and Patient Communication
0.5	Exam 7
10	Lesson 11: Airway Management and Ventilation and Videos
2	CHF/Pulmonary Edema Assignment
0.5	Laryngoscope as a Murder Weapon Assignment – Reading Assignment
1.25	Exam 8
1	Lesson 12: Patient History
6	Lesson 13: Physical Examination and Videos
2	Lesson 14: Patient Assessment
.5	Lesson 15: Clinical Decision Making
.5	Lesson 16: Communication and Documentation
1	Radio Communications Assignment
1	Exam 9
1	Urinary Catheterization Videos
.5	Lesson 17: Trauma Systems and Mechanism of Injury
1.25	Lesson 18: Bleeding and Shock/Special Considerations in Fluid Resuscitation
1.75	Lesson 19: Soft-Tissue Injury/Blunt Trauma/Penetrating Trauma
1	Lesson 20: Burns

0.75	Exam 10
.5	Lesson 21: Head, Face and Neck Injuries
1	Lesson 22: Spine Injuries and Videos
1.25	Lesson 23: Thoracic Injuries
0.75	Exam 11
1	Lesson 24: Abdomen Injuries
.5	Lesson 25: Musculoskeletal Injuries
.5	Lesson 26: Trauma Resuscitation/National Trauma Triage Protocol
3	Trauma Case Scenarios Assignment
1	Exam 12
16	Lesson 27: AEMT Students ONLY - Medical Emergencies
	Neurological Emergencies
	Abdominal and Genitourinary Emergencies
	Endocrine Emergencies
1	Exam 13
	Environmental Emergencies
	Toxicological Emergencies
	Immunological/Allergic Reactions & Anaphylaxis
	Behavioral Emergencies
	Cardiovascular Emergencies 1
	Cardiovascular Emergencies 2
	Special HealthCare Needs
1	Exam 14
18	EMS Operations

1	Exam 15
2	Medical Scenarios Assignment
2	TDSHS Juris Prudence and Quiz
2.5	Exam 16 - Review for Final Exam
48	Skills Practice and Testing
3	Final Exam
Total	175 + 45.5 (A&P) + 48 hrs skills = 268.50 (+ 168 AEMT rotations subset = 436.50 hours)

Human Anatomy and Physiology 1 and/or an Anatomy and Physiology course is a necessary portion of this program. If a student does NOT have proof of successful completion of this requirement, he/she will be required to successfully complete the online Human Anatomy and Physiology component available on our website. Students with proof of successful completion of Human A&P at a prior school to encompass all body systems will still be required to take and pass the A&P final exam for PERCOM for credit toward final course requirements and hours or will be required to successfully complete the entire course requirement. Completion of this course or credit for successful completion of the requirement accounts for 45.5 hours credit toward this course.

P1 students should refer to the P1 Practice and Testing Skills Lab Syllabus regarding skills lab requirements. AEMT students should refer to the AEMT Clinical and Field Experiences Syllabus for further information regarding Clinical and Field Rotations.

NREMT OBJECTIVES 2015

Course content is guided by the National Emergency Medical Services Education Standards and the National Registry of EMT's Objectives, more specific P1 Learning Objectives and Competencies are broken out and listed more definitively in the online coursework to assist students as a Study Guide to guide overall learning and success. These are located inside the course online at percomcourses.com.

The NREMT objectives for Paramedic 1 and 2 are:

AB AIRWAY AND BREATHING

- AB1** Assess, manage, and pathophysiology for airway management
- AB2** Assess, manage, and pathophysiology regarding ventilation
- AB3** Assess, manage, and pathophysiology for a patient in respiratory distress
- AB4** Assess, manage, and pathophysiology for a patient in respiratory failure
- AB5** Assess, manage, and pathophysiology for a patient in respiratory arrest
- AB6** Assess, manage, and pathophysiology for a patient having an upper airway respiratory emergency
- AB7** Assess, manage, and pathophysiology for a patient having a lower airway respiratory emergency

CA CARDIAC

- CA1** Assess, manage, and pathophysiology for a patient with chest discomfort
- CA2** Assess, manage, and pathophysiology for a patient with a cardiac rhythm disturbance
- CA3** Assess, manage, and pathophysiology for a patient in cardiac arrest
- CA4** Assess, manage, and pathophysiology for a patient with stroke-like symptoms
- CA5** Assess, manage, and pathophysiology for a patient in post-resuscitation care
- CA6** Assess, manage, and pathophysiology for a patient with hypotension/hypertension from a non-traumatic cause

ME MEDICAL EMERGENCIES

- ME1** Assess, manage, and pathophysiology for a patient with a neurological emergency
- ME2** Assess, manage, and pathophysiology for a patient with abdominal disorders
- ME3** Assess, manage, and pathophysiology for a patient with immunological emergencies
- ME4** Assess, manage, and pathophysiology for a patient with infectious disease
- ME5** Assess, manage, and pathophysiology for a patient with endocrine emergencies
- ME6** Assess, manage, and pathophysiology for a patient with psychiatric emergencies
- ME7** Assess, manage, and pathophysiology for a patient with toxicological emergencies
- ME8** Assess, manage, and pathophysiology for a patient with hematological emergencies
- ME9** Assess, manage, and pathophysiology for a patient with genitourinary and/or renal emergencies
- ME10** Assess, manage, and pathophysiology for a patient with gynecological emergencies
- ME11** Assess, manage, and pathophysiology for a patient with obstetrical emergencies
- ME12** Assess, manage, and pathophysiology for a patient with special healthcare needs

OP OPERATIONS

- OP1** Maintain vehicle and equipment readiness
- OP2** Operate emergency vehicles
- OP3** Provide scene leadership/care
- OP4** Resolve an emergency incident
- OP5** Provide emotional support
- OP6** Maintain medical/legal standards
- OP7** Maintain community relations

- OP8** Provide administrative support
- OP9** Enhance professional development

TR TRAUMA

- TR1** Assess, manage, and pathophysiology for a patient with bleeding or in shock
- TR2** Assess, manage, and pathophysiology for a patient with chest trauma
- TR3** Assess, manage, and pathophysiology for a patient with abdominal and/or genitourinary trauma
- TR4** Assess, manage, and pathophysiology for a patient with orthopedic trauma
- TR5** Assess, manage, and pathophysiology for a patient with soft tissue trauma
- TR6** Assess, manage, and pathophysiology for a patient with head, neck, spine, and/or face trauma
- TR7** Assess, manage, and pathophysiology for a patient with multisystem trauma