

Pre-Hospital Trauma Life Support (EMSP 1149)



Credit: 1 semester credit hour (1 hour lecture)

Prerequisite/Co-requisite: Submit a copy of a course completion certificate from an EMT-Basic Course or a copy of EMT-Basic certification.
Co-requisite: EMSP 1338, EMSP 1356, EMSP 1355, EMSP 1260.

Course Description

Theory and skills necessary for the management of pre-hospital trauma emergencies as specified by the National Association of Emergency Medical Technicians (NAEMT) guidelines.

Required Textbook and Materials

1. EMS Program Student Handbook.
2. Program Uniform.
 - a. Uniform T-Shirt
 - b. EMT / Paramedic Pants (dark blue or black)
 - c. Conservative Black leather belt (no designs)
 - d. Black leather shoes or boots (not tennis shoes)
 - e. Stethoscope, Pen light, BP cuff, Trauma shears
3. Prehospital Trauma Life Support Textbook, 6th edition
 - a. Mosby JEMS: ISBN-13: 978-0-323-03331-2 .

Course Objectives¹

Upon completion of this course, the student will be able to:

1. Display a working knowledge of clinical information and related topics relevant to the practice of pre-hospital trauma. (SCANS: F1.3, F2.3, F3.2, F4.1, F5.5, F6.5, F8.5, F9.5, F12.5, C1.4, C4.3)
2. Demonstrate the ability to completely perform all applicable skills; (SCANS: F5.5, C3.4, C5.5, C6.5, C7.5, C8.3, C10.4, C18.5, C19.5, C20.5)
3. Exhibit attitudes and behavior consistent with the ethics and professionalism expected in trauma specialties.(SCANS: F13.5, F14.5, F15.5, F16.5, F17.5 C9.5, C11.5, C12.5, C13.5, C14.5)

SCANS Skills and Competencies

Beginning in the late 1980's, the U.S. Department of Labor Secretary's Commission on Achieving Necessary Skills (SCANS) conducted extensive research and interviews with

¹ Curriculum based on Department of Transportation National Standard Curriculum

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business owners, union leaders, supervisors, and laborers in a wide variety of work settings to determine what knowledge workers needed in order to perform well on a job. In 1991 the Commission announced its findings in *What Work Requires in Schools*. In its research, the Commission determined that “workplace know-how” consists of two elements: foundation skills and workplace competencies.

Course Outline

- A. Introduction
 - 1. Introduction of EMS Staff, Instructors and students
 - 2. EMS program policies
- B. Introduction to PHTLS
 - 1. Injury prevention
 - 2. Kinematics of Trauma.
- C. Assessment and Management
 - 1. Scene
 - 2. Patient
 - 3. Airway and Ventilation
 - 4. Shock
- D. Specific Injuries
 - 1. Head Trauma
 - 2. Spinal Trauma
 - 3. Thoracic Trauma
 - 4. Abdominal Trauma
 - 5. Musculoskeletal Trauma
 - 6. Burn Trauma
 - 7. Pediatric Trauma
 - 8. Environmental Trauma I (Heat and Cold)
 - 9. Environmental Trauma II (Drowning, Lightning, Diving, Altitude)
- E. Golden Principles of Pre-hospital Trauma Care.
 - 1. The golden hour: Treatment is transport.
- I
- F. Special Considerations
 - 1. Disaster Management
 - 2. Weapons of Mass Destruction
 - 3. Civilian Tactical Emergency Medical Support
 - 4. Wilderness Trauma Care.
- G. Teaching Stations
 - 1. Student shall show proficiency in advanced airway skills and trauma skills:
 - 2. Student shall show proficiency on advanced airway skills.
 - 3. Student shall show proficiency on various trauma care skills.
- H. Scenario Stations
 - Student shall show proficiency as a team leader of patient care situations in various trauma scenarios:
 - 1. Teaching scenarios where the student is critiqued on their performance

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2. Testing scenarios where the student is tested on their performance.
3. Comprehensive Written Exam

Grade Scale

90 – 100	A
80 – 89	B
70 – 79	C
60 – 69	D
0 – 59	F

Course Evaluation

Final grades will be calculated according to the following criteria:

- | | |
|--------------|-----|
| 1. Pre Test | 10% |
| 2. Post Test | 90% |

Course Requirements

1. Accountability for all classroom hours, as required by the Texas Department of State Health Services EMS Regulator.
2. Graded on the testing scenario for patient care of a trauma victim, as required by the Texas Department of State Health Services EMS Regulator.
3. Must score greater than a 80% on the written exam for PHTLS provider certification, as required by the Texas Department of State Health Services EMS Regulator.

Course Policies

1. Student must be in the proper class uniform
2. Student will perform both teaching and examined scenarios.
3. Attendance Policy. Texas Department of State Health Services Bureau of EMS makes the student accountable for all rotation requirements. If you miss any classroom hours then it is the student's responsibility to contact the lead instructor to see how the hours can be rescheduled, or made up.
4. If you wish to drop a course, the student is responsible for initiating and completing the drop process. If you stop coming to class and fail to drop the course, you will earn an 'F' in the course.
5. Additional class policies as defined by the EMS Program Student handbook.

Disabilities Statement

The Americans with Disabilities Act of 1992 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. Among other things, these statutes require that all students with documented disabilities be guaranteed a learning environment that provides for reasonable accommodations for their disabilities. If you believe you have a disability

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requiring an accommodation, please contact the Special Populations Coordinator at (409) 880-1737 or visit the office in Student Services, Cecil Beeson Building.

Course Schedule

Week	Topic	Reference
Hour 1	Introduction to PHTLS	Ch 1
Hour 2	Energy and Injury	Ch 2, 3
Hour 3	Assessment and Management	Ch4 -7
Hour 4	Head and Spinal Trauma	Ch 8-9
Hour 5	Thoracic and Abdominal Trauma	Ch 10-11
Hour 6	Musculoskeletal, soft tissue and burn Trauma	Ch 12-13
Hour 7	Pediatric Trauma	Ch 14
Hour 8	Geriatric Trauma	Ch 15
Hour 9	Environmental Trauma	Ch 16-17
Hour 10-12	Teaching Stations	
Hour 13-15	Testing Stations	
Hour 16	Written Exam	