

Emergency Medical Technician (EMSP 1501_6A1)



**LAMAR INSTITUTE
OF TECHNOLOGY**

INSTRUCTOR CONTACT INFORMATION

Instructor:	Casey Sullivan Flood
Email:	CkSullivan@lit.edu
Office Phone:	409-273-2496
Office Location:	N/A
Office Hours:	Upon Request

CREDIT

Dual Credit Program

MODE OF INSTRUCTION

In Person

PREREQUISITE/CO-REQUISITE:

- EMSP 1260
- Work Keys Reading Exam with a score of 5 or greater **or** TSI writing with a score of 351 or greater **or** ENGL 1301 with a score of C or greater.

COURSE DESCRIPTION

Preparation for certification as an Emergency Medical Technician (EMT).

COURSE OBJECTIVES

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

- Apply fundamental knowledge of the EMS system, safety/well-being of the EMT, and medical/legal and ethical issues to the provisions of emergency care.
- Apply fundamental knowledge of the anatomy and function of all human systems to the practice of EMS.
- Use fundamental anatomical and medical terms and abbreviations in written and oral communication with colleagues and other health care professionals.
- Apply fundamental knowledge of the pathophysiology of respiration and perfusion to patient assessment and management.
- Apply fundamental knowledge of life span development to patient assessment and management.
- Use simple knowledge of illness and injury prevention principles in emergency care.
- Apply fundamental knowledge of the medications that the EMT may assist/administer to a patient during an emergency.

- Apply knowledge (fundamental depth, fundamental breadth) of general anatomy and physiology to patient assessment and management to ensure a patent airway, adequate mechanical ventilation, and respiration for patients of all ages.
- Apply scene information and patient assessment findings (scene size up, primary and secondary assessment, patient history, and reassessment) to guide emergency management.
- Apply fundamental knowledge to provide basic emergency care and transportation based on assessment findings for an acutely ill patient.
- Apply fundamental knowledge of the causes, pathophysiology, and management of shock, respiratory failure or arrest, and post-resuscitation management.
- Apply fundamental knowledge to provide basic emergency care and transportation based on assessment findings for an acutely injured patient.
- Apply fundamental knowledge of growth, development, and aging and assessment findings to provide basic emergency care and transportation for a patient with special needs.

Apply knowledge of operational roles and responsibilities to ensure safe patient, public, and personnel safety.

REQUIRED TEXTBOOK AND MATERIALS

Emergency Care & Transportation of Sick and Injured by AAOS, 12th edition. Jones & Bartlett Publishers. ISBN **978-1-284-20430-8** **BISD Issue** to be returned in good condition at the end of the school year

Access to Google calendar – No cost to student.

See EMS Program Student Handbook and Clinical Handbook for equipment and uniform requirements. These are both found in your Blackboard course.

ATTENDANCE POLICY

Three absences are allowed. If a student is tardy to class or departs early two (2) times, it will be equal to one (1) absence. Each absence beyond three absences will result in a 5-point deduction from your final grade. Attendance in this class is based on both students' presence, as well at students' participation in class.

DROP POLICY

If you wish to drop a course, you are 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.

STUDENT EXPECTED TIME REQUIREMENT

For every hour in class (or unit of credit), students should expect to spend at least two to three hours per week studying and completing assignments outside of class. Online/Hybrid students should expect to spend at least as much time in this course as in the face-to-face class.

Course Calander

Dates for Module 1 are subject to Adjustment with notice due to BISD Chrome Book distribution issues **Added 8/28/2024**

Date	CH	Subject	LEC	LAB	Instructor	Class: Tues Wed Thurs 8-11
8/13/2024		Orientation	2 hr.40 min		TBA	
8/14/2024	Ch 13	BLS Resuscitation	2 hr	40 min	TBA	
8/15/2024		BLS Resuscitation	2 hr	40 min	TBA	
8/20/2024		BLS Resuscitation	2 hr	40 min	TBA	
8/21/2024		Skills		2 hr.40 min	TBA	
8/22/2024	Ch 1	EMS Systems	2 hr.40 min		TBA	
					TBA	LIT FIRST DAY
8/27/2024	Ch 2	Workforce Safety and Wellness	2 hr.40 min		TBA	
8/28/2024	Ch 3	Medical , legal, and Ethical issues	2 hr.40 min		TBA	
8/29/2024		Skills		2 hr.40 min	TBA	
9/3/2024	Ch 4	Communications & Documentation	2 hr.40 min		TBA	
9/4/2024		Communications &	2 hr.40 min		TBA	

		Documen tion				
9/5/2024		Skills		2 hr.40 min	TBA	
9/10/2024	Ch 5	Medical Terminolo gy	2 hr.40 min		TBA	
9/11/2024	Ch 8	Lifting and Moving Patients	40 min	2 hr	TBA	
9/12/2024		Skills		2 hr.40 min	TBA	
9/17/2024	Ch 6	The Human Body	2 hr.40 min		TBA	
9/18/2024	Ch 6	The Human Body	2 hr.40 min		TBA	
9/19/2024	Ch 6	The Human Body	40 min	2 hr	TBA	
9/24/2024		Clinical Orentation	40 min	2 hr	TBA	
9/25/2024	Ch 7	Life Span	2 hr.40 min		TBA	
9/26/2024		Skills/Revie w		2 hr.40 min	TBA	
10/8/20 24	Module 1 Exam		2 hr	40 min	TBA	
10/9/2024	Ch 9	Patient Assessme nt	2 hr.40 min		TBA	
10/11/24 - 10/15/24 Holiday						
10/16/2024		Patient Assessme nt	2 hr.40 min		TBA	
10/17/2024		Skills		2 hr.40 min	TBA	

10/22/2024	Ch 10	Airway Management		2 hr.40 min	TBA	
10/23/2024	Ch 11	Principles of Pharmacology	2 hr.40 min		TBA	
	Ch 11	Principles of Pharmacology	1 hr			
10/24/2024	Ch 12	Shock	1 hr .40 min		TBA	
10/29/2024	Ch 12	Shock Review	2 hr 40 min		TBA	
10/30/2024	Module 2 Exam		2 hr	40 min	TBA	
10/31/2024	Ch 24	Trauma Overview	40 min	2 hr	TBA	
11/5/2024	Ch 25	Bleeding	2 hr.40 min		TBA	
11/6/2024	Ch 26	Soft tissue Injuries	2 hr.40 min		TBA	
11/7/2024	Ch 27	Face and neck injuries	2 hr	40 min	TBA	
11/12/2024	Ch 28	Head and spine injuries	2 hr	40 min	TBA	
11/13/2024	Ch 29	Chest injuries	2 hr	40 min	TBA	
11/14/2024		Skills		2 hr.40 min	TBA	
11/19/2024	Ch 30	Abdominal and Genitrouinary injuries	2 hr.40 min		TBA	

11/20/2024	Ch 31	orthopaedic Injuries	2 hr	40 min	TBA	
11/21/2024	Ch 32	Environmental emergencies	2 hr	40 min	TBA	
12/3/2024		Review/Skills	40 min	2 hr	TBA	
12/4/2024	Module 4 Exam		2 hr	40 min	TBA	
12/5/2024		Skills		2 hr.40 min		
12/10/2024		Skills		2 hr.40 min	Grades due LIT	
12/11/2024		Skills		2 hr.40 min	TBA	
12/12/2024		Skills		2 hr.40 min	TBA	
12/17/2024		Skills		2 hr.40 min	TBA	
12/18/2024		Skills		2 hr.40 min	TBA	
12/19/2024		Skills		2 hr.40 min	TBA	
1/7/2025	Ch 14	Medical overview	2 hr.40 min		TBA	
1/8/2025	Ch 15	Respiratory Emergencies	2 hr.40 min		TBA	
1/9/2025		Skills		2 hr.40 min	TBA	
1/14/2025		Respiratory Emergencies	40 min			
	Ch 16	Cardiovascular	2 hr		TBA	

		Emergencies				
1/15/2025	Ch 16	Cardiovascular Emergencies	2 hr.40 min			TBA
1/16/2025		Skills		2 hr.40 min		TBA
1/21/2025	Ch 17	Neurological Emergencies	2 hr.40 min			TBA
1/22/2025		Neurological Emergencies	40 min	2 hr		TBA
1/23/2025	Ch 18	Gastrointestinal and Urological Emergencies	2 hr	40 min		TBA
		Gastrointestinal and Urological Emergencies				
1/28/2025	Ch 19	Endocrine and hematologic Emergencies	1 hr .40 min			TBA
1/29/2025		Endocrine and hematologic Emergencies	1 hr	1 hr .40 min		TBA

1/30/2025		Skills		2 hr.40 min	TBA	
2/4/2025	Ch 20	Immuno- logic Emergenci es	2 hr.40 min		TBA	
2/5/2025		Immuno- logic Emergenci es	1 hr		TBA	
	Ch 21	Toxicolog y	1 hr .40 min			
2/6/2025		Toxicolog y	1 hr	40 min	TBA	
2/11/2025		Skills		2 hr.40 min	TBA	
2/12/2025	Ch 22	Pyschiatr ic Emergenci es	2 hr.40 min		TBA	
2/13/2025		Pyschiatr ic Emergenci es	1 hr		TBA	
	Ch 23	Gynecolog ic Emergenci es	1 hr .40 min			
2/18/25 Holiday						
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		Review	1 hr .40 min		TBA	
2/20/20 25	Module 3 Exam		2 hr	40 min	TBA	
2/25/2025	Ch 33	Obstetrics and Neonatal Care	2 hr.40 min		TBA	

2/26/2025	Ch 33	Obstetrics and Neonatal Care	2 hr.40 min		TBA
2/27/2025		Skills		2 hr.40 min	TBA
3/4/2025	Ch 34	Pediatric Emergencies	2 hr.40 min		TBA
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3/5/2025	Ch 34	Pediatric Emergencies	2 hr.40 min		TBA
3/6/2025		Skills		2 hr.40 min	TBA
3/11-3/13 Holiday					
3/18/2025	Ch 35	Geriatric Emergencies	2 hr.40 min		TBA
3/19/2025	Ch 36	Patients with Special Challenges		2 hr.40 min	TBA
3/20/2025		Skills		2 hr.40 min	TBA
3/25/2025	Ch 37	Transport Operations		2 hr.40 min	TBA
3/26/2025	Ch 38	Vehicle Extrication and Special Rescue	2 hr.40 min		TBA
3/27/2025		Skills		2 hr.40 min	TBA
4/1/2025	Ch 39	Incident	2 hr	40 min	TBA

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4/3/2025	Ch 41	A Team Approach to Health Care	1 hr	1 hr .40 min	TBA
4/8/2025	Module 5 Exam		2 hr	40 min	TBA
4/9/2025		Jurisprude nce Exam	2 hr.40 min		TBA
4/10/2025	Congitive Exam 1		2 hr.40 min		TBA
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4/24/2025	Congitive Exam 3		2 hr.40 min		TBA
4/29/2025		Skills		2 hr.40 min	TBA
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5/6/2025		Skills		2 hr.40 min	TBA
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5/7/2025		Skills		2 hr.40 min	TBA

5/8/2025		Skills		2 hr.40 min	TBA	
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COURSE EVALUATION

Final grades will be calculated according to the following criteria:

Affective Evaluation	20%
Chapter Quizzes	30%
Module Examination	50%

GRADE SCALE

90 – 100	A
84 – 89	B
75 – 83	C
70 – 74	D
0 – 69	F

ACADEMIC DISHONESTY

Students found to be committing academic dishonesty (cheating, plagiarism, or collusion) may receive disciplinary action. Students need to familiarize themselves with the institution’s Academic Dishonesty Policy available in the Student Catalog & Handbook at <http://catalog.lit.edu/content.php?catoid=3&navoid=80#academic-dishonesty>.

TECHNICAL REQUIREMENTS

The latest technical requirements, including hardware, compatible browsers, operating systems, etc. can be online at <https://lit.edu/online-learning/online-learning-minimum-computer-requirements>. A functional broadband internet connection, such as DSL, cable, or WiFi is necessary to maximize the use of online technology and resources. It is advised that you use Chrome or Firefox as your browser.

DISABILITIES STATEMENT

The Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. LIT provides reasonable accommodations as defined in the Rehabilitation Act of 1973, Section 504 and the Americans with Disabilities Act of 1990, to students with a diagnosed disability. The Special Populations Office is located in the Eagles’ Nest Room 129 and helps foster a supportive and inclusive educational environment by maintaining partnerships with faculty and staff, as well as promoting awareness among all members of the Lamar Institute of Technology community. If you believe you have a disability requiring an accommodation, please contact the Special Populations Coordinator at (409)-951-5708 or email specialpopulations@lit.edu. You may also visit the online resource at [Special Populations - Lamar Institute of Technology \(lit.edu\)](#).

STUDENT CODE OF CONDUCT STATEMENT

It is the responsibility of all registered Lamar Institute of Technology students to access, read, understand and abide by all published policies, regulations, and procedures listed in the *LIT Catalog and Student Handbook*. The *LIT Catalog and Student Handbook* may be accessed at www.lit.edu. Please note that the online version of the *LIT Catalog and Student Handbook* supersedes all other versions of the same document.

STARFISH

LIT utilizes an early alert system called Starfish. Throughout the semester, you may receive emails from Starfish regarding your course grades, attendance, or academic performance. Faculty members record student attendance, raise flags and kudos to express concern or give praise, and you can make an appointment with faculty and staff all through the Starfish home page. You can also login to Blackboard or MyLIT and click on the Starfish link to view academic alerts and detailed information. It is the responsibility of the student to pay attention to these emails and information in Starfish and consider taking the recommended actions. Starfish is used to help you be a successful student at LIT.

ARTIFICIAL INTELLIGENCE STATEMENT

Lamar Institute of Technology (LIT) recognizes the recent advances in Artificial Intelligence (AI), such as ChatGPT, have changed the landscape of many career disciplines and will impact many students in and out of the classroom. To prepare students for their selected careers, LIT desires to guide students in the ethical use of these technologies and incorporate AI into classroom instruction and assignments appropriately. Appropriate use of these technologies is at the discretion of the instructor. Students are reminded that all submitted work must be their own original work unless otherwise specified. Students should contact their instructor with any questions as to the acceptable use of AI/ChatGPT in their courses

ADDITIONAL COURSE POLICIES/INFORMATION

1. Computers, telephones, headphones, and any other electronic devices must be turned OFF while in class or used only with permission of the instructor.
2. Do not bring children to class.
3. All assignments have a posted due date and all assignments are due by 11:59pm on posted due date.
4. Tests. Students who miss a test are NOT allowed to make up the test. Students who miss a test will receive a grade of '0'.

5. 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.
6. Additional class policies as defined by the EMS Program Student Handbook.

BLACKBOARD ANNOUNCEMENTS

1. Announcements in Blackboard are posted to the Announcements web page that you see when you log into class. They are important, so be sure to read them.
2. Announcements are also emailed to your Blackboard email, which you can check at MyLIT.

MY RESPONSE TIME

1. I will respond to all communication within 24 hours, except those received outside of office hours, during the weekend, and holidays.
2. I only return calls that leave a voicemail.
3. The best way to reach your instructor is through email at CKSullivan@LIT.edu.
4. Class communication is also facilitated through Groupme this is to be used for communication for clinicals and quick questions about class and assignments. Any communications not about the class should be left out of the Groupme thread.

Course Outline - Orientation

- A. Preparatory**
 - a. EMS Systems
 - b. Workforce Safety and Wellness
 - c. Medical, Legal, and Ethical Issues
 - d. Communication and Documentation
 - e. Medical Terminology
 - f. The Human Body
 - g. Life Span Development
 - h. Lifting and Moving Patients
- B. Patient Assessment**
 - a. Patient Assessment
- C. Airway**
 - a. Airway Management
- D. Pharmacology**
 - a. Principles of Pharmacology
- E. Shock and Resuscitation**
 - a. Shock
 - b. BLS Resuscitation
- F. Medical**
 - a. Medical Overview

- b. Respiratory Emergencies
 - c. Cardiovascular Emergencies
 - d. Neurologic Emergencies
 - e. Gastrointestinal Emergencies
 - f. Endocrine and Hematologic Emergencies
 - g. Immunologic Emergencies
 - h. Toxicology
 - i. Psychiatric Emergencies
 - j. Gynecologic Emergencies
- G. Trauma**
- a. Trauma Overview
 - b. Bleeding
 - c. Soft-Tissue Injuries
 - d. Face and Neck Injuries
 - e. Head and Spine Injuries
 - f. Chest Injuries
 - g. Abdominal and Genitourinary Injuries
 - h. Orthopedic Injuries
 - i. Environmental Emergencies
- H. Special Patient Populations**
- a. Obstetrics and Neonatal Care
 - b. Pediatric Emergencies
 - c. Geriatric Emergencies
 - d. Patients with Special Challenges
- I. EMS Operations**
- a. Transport Operations
 - b. Vehicle Extrication and Special Rescue
 - c. Incident Management
 - d. Terrorism Response and Disaster Management

In addition Students are expected to adhere to all Standards and expectations of BISD and Taylor Career Center.