



**LAMAR INSTITUTE
OF TECHNOLOGY**

Emergency Medical Technician (EMSP 1501)

INSTRUCTOR CONTACT INFORMATION

Instructor: Charles Gremmel
Email: crgremmel@lit.edu
Office Phone: 409-247-5090
Office Location: MPC 255
Office Hours: Upon Request

CREDIT

5 Semester Credit Hours (3 hours lecture, 8 hours lab)

MODE OF INSTRUCTION

Face to Face

PREREQUISITE/CO-REQUISITE:

Prerequisite: 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.

Co-requisite: EMSP 1260

COURSE DESCRIPTION

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

COURSE OBJECTIVES

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

1. 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 the principles of illness and injury prevention 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 in order to assure 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

1. *Emergency Care & Transportation of Sick and Injured* by AAOS, 12th edition. Jones & Bartlett Publishers.
 - a. ISBN number is **978-1-284-20430-8**.
2. See EMS Program Student Handbook for equipment and uniform requirements.

ATTENDANCE POLICY

1. Attendance Policy. Two 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 two absences will result in a 5 point deduction from your final grade.

DROP POLICY

If you wish to drop a course, you are responsible for initiating and completing the drop process by the specified drop date as listed on the [Academic Calendar](#). 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. For a 3-credit-hour class, students should prepare to allocate approximately six to nine hours per week outside of class in a 16-week session OR approximately twelve to eighteen hours in an 8-week session. Online/Hybrid

students should expect to spend at least as much time in this course as in the traditional, face-to-face class.

COURSE CALENDAR

DATE	TOPIC	READINGS (Due on this Date)	ASSIGNMENTS (Due on this Date)
Week 1	Orientation BLS Resuscitation		
Week 2	EMS Systems Workforce Safety and Wellness Medical, Legal, and Ethical Issues Communications & Documentation Medical Terminology		
Week 3	The Human Body Life Span Development Lifting and Moving Patients		2/1/2023 Module Exam 1 / Skills
Week 4	Clinical Orientation Patient Assessment Airway Management		
Week 5	Principles of Pharmacology Shock		2/15/2023 Module 2 Exam / Skills
Week 6	Medical Overview Respiratory Emergencies Cardiovascular Emergencies Neurological Emergencies		
Week 7	Gastrointestinal and Urologic Emergencies Endocrine and Hematologic Emergencies Allergy and Anaphylaxis Toxicology		
Week 8	Behavioral Health Emergencies Gynecologic Emergencies		3/8/2023 Module 3 Exam / Skills
Week 9	Skills		

	Trauma Overview Bleeding		
Week 10	Soft-Tissue Injuries Face and Neck Injuries Head and Spine Injuries		
Week 11	Chest Injuries Abdominal and Genitourinary Injuries Orthopedic Injuries		
Week 12	Environmental Emergencies Obstetrics and Neonatal Care		4/11/2023 Module 4 Exam / Skills
Week 13	Pediatric Emergencies Geriatric Emergencies Patients with Special Challenges		
Week 14	Transport Operations Vehicle Extrication and Special Rescue Incident Management		
Week 15	Terrorism and Disaster Management A Team Approach to Health Care Skills		
Week 16	Skills Practice		5/9/2023 Module 5 Exam / Skills

COURSE EVALUATION

Final grades will be calculated according to the following criteria:

1. Affective Evaluation 20%

Chapter Quiz 30%

Module Examination 50%

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GRADING SCALE

90 – 100 A

84 – 89 B

75 – 83 C

70 – 74 D

0 – 69 F

LIT does not use +/- grading scales

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.

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.

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. Late assignments will be accepted on a case by case basis.
4. Tests. Students that miss a test are not allowed to make up the test. Students that miss a test will receive a grade of '0'.
5. Mid-Term Examination and Comprehensive Final Examination are proctored examinations that will be given on campus at a designated testing center.
6. 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.
7. Additional class policies as defined by the EMS Program Student Handbook.