



LAMAR INSTITUTE OF TECHNOLOGY

Emergency Medical Technician (EMSP 1501)

INSTRUCTOR CONTACT INFORMATION

Instructor: Amy Bowman
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Office Phone: 346-978-6993
Office Location: Kingwood HS #2903
Office Hours: 9:15-10:10

CREDIT

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

MODE OF INSTRUCTION

Face to Face

PREREQUISITE/CO-REQUISITE

A&P, Medical Terminology, Practicum of Health Science Theory

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 lifespan 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 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, 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.
- Students will be scheduled for 72 contact hours on the ambulance:
During the field rotations with an EMS Service, the student will:
 1. Utilize appropriate universal precautions at all times
 2. Assist in the triage of patients.
 3. Perform a patient assessment, including:
 - a. vital signs, pulse oximetry, and glucose check
 - b. obtain chief complaint and history of present illness
 - c. perform a physical exam
 - d. obtain medical history
 4. Demonstrate proper airway management and oxygen therapy
 5. Assist with the following: hemorrhage control, splinting techniques and cardiac arrest patients (CPR and BVM)
 6. Document all patient contacts for the ambulance rotation
 7. Preceptor shall document a student evaluation form
 8. Student shall document an ambulance rotation evaluation form

REQUIRED TEXTBOOK AND MATERIALS

1. *Emergency Care & Transportation of Sick and Injured* by AAOS, 12th edition. Jones & Bartlett Publishers.
 - a. ISBN - 978-1-284-107029
2. See EMS Program Student Handbook for equipment and uniform requirements.

ATTENDANCE POLICY

1. There is a weekly attendance grade. If you are tardy it is (-20) points a day. If you get (3) tardies it will equal (1) unexcused absence. After (3) unexcused absences it will be (-5) off of your module exam.

- Clinical Rotations are mandatory. If you are not able to attend your scheduled clinical, I need a 24 hours notice. If there is an emergency, call 346-978-6993 so I can let the department know. If you are more than 5 minutes late, the department will send you home and it will be considered a no-call no-show.

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)
8/13/24	CH 1 EMS Systems		9/2/24 (Quiz/ Knowledge Objectives)
8/15/24	CH 14 BLS		9/2/24 (Knowledge Objectives)
8/22/24	CH 2 Workforce Safety and Wellness		9/2/24 (Quiz/ Knowledge Objectives)
8/26/24	CH 3 Medical, Legal, and Ethical Issues		8/29/24 (Quiz/ Knowledge Objectives)
8/29/24	CH 4 Communication and Documentation		9/3/24 (Quiz/ Knowledge Objectives)
9/2/24	CH 5 Medical Terminology		9/7/24 (Quiz/ Knowledge Objectives)
9/9/24	CH 8 Lifting and Moving Patients		9/12/24 (Quiz/ Knowledge Objectives)
9/11/24	CH 6 The Human Body		9/23/24 (Quiz/ Knowledge Objectives)
9/23/24	CH 7 Life Span		9/26/24 (Quiz/ Knowledge Objectives)
9/27/24	Module 1 Exam		

9/30/24	CH 10 Patient Assessment		10/05/24 (Quiz/ Knowledge Objectives)
10/4/24	CH 11 Airway Management		10/06/24 (Quiz/ Knowledge Objectives)
10/15/24	CH 12 Principles of Pharmacology		10/20/24 (Quiz/ Knowledge Objectives)
10/18/24	CH 13 Shock		10/23/24 (Quiz/ Knowledge Objectives)
10/19/24	Skills Exam		
10/24/24	Module 2 Exam		
10/25/24	CH 15 Medical Overview		10/28/24 (Quiz/ Knowledge Objectives)
10/26/24	Skills Exam		
10/28/24	CH 16 Respiratory Emergencies		11/1/24 (Quiz/ Knowledge Objectives)
10/30/24	CH 17 Cardiovascular Emergencies		11/6/24 (Quiz/ Knowledge Objectives)
11/6/24	CH 18 Neurological Emergencies		11/11/24 (Quiz/ Knowledge Objectives)
11/11/24	CH 19 GI/Urological Emergencies		11/14/24 (Quiz/ Knowledge Objectives)
11/13/24	CH 20 Endocrine/ Hematologic Emergencies		11/17/24 (Quiz/ Knowledge Objectives)
11/18/24	CH 21 Allergy/Anaphylaxis		
11/19/24	CH 21 Immunologic Emergencies		11/21/24 (Quiz/ Knowledge Objectives)
11/20/24	CH 22 Toxicology		11/22/24 (Quiz/ Knowledge Objectives)
11/22/24	CH 23 Psychiatric Emergencies		12/4/24 (Quiz/ Knowledge Objectives)
12/3/24	CH 24 Gynecologic Emergencies		12/5/24 (Quiz/ Knowledge Objectives)
12/5/24	Module 3 Exam		
12/9/24- 12/19/24	Skills Exam part 2		

COURSE EVALUATION

Final grades will be calculated according to the following criteria:

1. Affective Evaluation 20%

2. Chapter Quiz, Knowledge Objectives, Attendance 30%
3. Module Exams, Uniform Inspections, Presentations 50%

GRADING SCALE

90-100	A
80-89	B
70-79	C
60-69	D
0-59	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.

AI 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.

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, cell phones, headphones, and other electronic devices must be turned off while in class or used only with permission of the instructor.
2. Late assignments will be accepted on a case by case basis.
3. Students that miss a test are not allowed to make up the test, unless pre approved by the instructor. If you have that approval you will need to schedule a time AFTER school

to come to KHS to make up the test. You will have 5 days from the scheduled test date to make it up. Students that miss a test will receive a grade of "0."

4. Module Exams are proctored and are to be completed on school chromebooks with Go Guardian.
5. Skills exams must be passed before doing EMS clinical ride outs.