

CLINICAL EMERGENCY MEDICAL TECHNICIAN (EMSP 1260_7A3)

CREDIT

- 2 Credit Hours; 5 Externship Hours

MODE OF INSTRUCTION

Hybrid

PREREQUISITE/CO-REQUISITE:

- EMSP 1501
- AHA Basic Life Support

COURSE DESCRIPTION

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

COURSE OBJECTIVES¹

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

A. Psychomotor Skills

1. The student must demonstrate the ability to safely administer medications.
 - a. The student should safely, and while performing all steps of each procedure, properly administer medications via hand held nebulizer to live patients.
2. The student must demonstrate the ability to effectively ventilate patients of all age groups.
 - a. The student should effectively ventilate at least 5 live patients of various age groups.

B. Ages

1. The student must demonstrate the ability to perform a comprehensive assessment on pediatric patients.
 - a. The student should perform an assessment on at least 6 (including newborns, infants, toddlers, preschool, school age, and adolescent) pediatric patients.
2. The student must demonstrate the ability to perform a comprehensive assessment on at least 5 adult patients.
3. The student must demonstrate the ability to perform a comprehensive assessment on at least 5 geriatric patients.

C. Pathologies

¹ Curriculum based on the National EMS Education Standards set by the United States Department of Transportation (DOT).



1. The student must demonstrate the ability to perform a comprehensive assessment on at least 2 trauma patients.
2. The student must demonstrate the ability to perform a comprehensive assessment on at least 1 psychiatric patient.

D. Complaints

1. The student must demonstrate the ability to perform a comprehensive assessment for at least 2 patients with chest pain.
2. The student must demonstrate the ability to perform a comprehensive assessment for at least 2 patients with dyspnea/respiratory distress.
3. The student must demonstrate the ability to perform a comprehensive assessment for at least 2 patients with a change in level of responsiveness.
4. The student must demonstrate the ability to perform a comprehensive assessment for at least 2 patients with abdominal complaints.
5. The student must demonstrate the ability to perform a comprehensive assessment for at least 2 patients with altered mental status.

E. Affective Skills

1. While in the clinical setting, the student must demonstrate integrity.
 - a. The student must demonstrate honesty and trustworthiness.
 - b. The student must maintain confidentiality.
 - c. The student must accurately complete documentation.
2. While in the clinical setting, the student must demonstrate empathy.
 - a. The student will respond appropriately to the emotional needs of the patients/family members and the health care team.
 - b. The student will demonstrate respect for others.
 - c. The student will demonstrate a calm, compassionate, and helpful demeanor.
3. While in the clinical setting, the student must demonstrate self-motivation.
 - a. The student will take initiative to complete assignments.
 - b. The student will seek out learning experiences
 - c. The student will take initiative to improve and/or correct behavior
 - d. The student will take on/follow through on tasks with minimal supervision.
 - e. The student will show enthusiasm for learning and improvement.
 - f. The student will strive for excellence in all aspects of patient care and professional activities.
 - g. The student will accept constructive feedback in a positive manner.
4. While in the clinical setting, the student will demonstrate proper appearance and personal hygiene.
 - a. The student will wear neat, clean, well-maintained clothing and/or uniform.
 - b. The student will demonstrate good personal hygiene and grooming.
 - c. The student will wear proper uniform and identification.
5. While in the clinical setting, the student will demonstrate self-confidence.
 - a. The student will demonstrate the ability to trust personal judgment.
 - b. The student will demonstrate an awareness of strengths and limitations.
 - c. The student will exercise good personal judgment.

6. While in the clinical setting, the student will demonstrate adequate communication skills.
 - a. The student will speak clearly, write legibly, and listen actively.
 - b. The student will document a complete and accurate patient care report.
 - c. The student will communicate effectively with Medical Control
 - d. The student will adjust communication strategies as needed.
7. While in the clinical setting, the student will demonstrate effective time management.
 - a. The student will demonstrate consistent punctuality.
 - b. The student will complete tasks and assignments on time.
8. While in the clinical setting, the student will demonstrate teamwork and diplomacy.
 - a. The student will place the success of the team above self-interest.
 - b. The student will help and support other team members.
 - c. The student will show respect for all team members.
 - d. The student will remain flexible and open to change.

The student will communicate effectively with others to resolve problems

INSTRUCTOR CONTACT INFORMATION

Instructor:	Cassie Walters
Email:	Cewalters@lit.edu
Office Phone:	409-245-8752
Office Location:	MPC 244
Office Hours:	By Appointment

REQUIRED TEXTBOOK AND MATERIALS

See EMS Program Student Handbook and Clinical Handbook for equipment and uniform requirements.

- EMS Program Student Handbook
- EMS Program Clinical Handbook
- Platinum Planner
- LIT EMS Clinical Uniform
- LIT EMS Program Clinical ID
- Shot records for current immunization in MMR, Tetanus, Varicella, Influenza (current).
- TB Skin Test (dated within one year)
- Physical Exam (dated within one year)
- Drug urine analysis screen (10 panel or greater, within three months)
- Stethoscope
- Pen Light

Trauma Shears

ATTENDANCE POLICY

1. Clinicals require 100% attendance AND completion of ALL required minimum competencies.
2. Students must make up any missed clinical hours, within the course dates (no incompletes).
3. Once scheduled, students are allowed 1 reschedule without affecting their grades. Each reschedules will drop the clinical rescheduled by 5 points.
4. If reschedules occur, an immediate conference with the Medical Director and the Clinical Coordinator will occur after the second reschedule. Repeat reschedules could result in dismissal from the program.
5. Students must achieve all minimum competencies as well as minimum hours. If a student hits their hours, but not the minimum competencies, they must do additional clinical time to achieve these competencies, within the inclusive dates of the class. If a student hits their minimum competencies but not the hours, they will continue until the hours are reached.

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.

GRADE MAINTENANCE POLICY

- Academic course grade must be at or above 75% in EMSP 1501 to participate in clinical rotations.
- Clinical paper work is due the **NEXT** class day after the clinical is completed.
- Clinical documentation turned in after the last day of the course will NOT be utilized in the grading process for the clinical course.
- Successful completion of both the didactic and clinical portion of the program, independent from each other, is required to receive a course completion.
- All grades are officially recorded on the last day of the course, any course work turned in after that point will NOT be utilized in figuring the course grade.

COURSE CALENDAR

DATE	TOPIC	READINGS	ASSIGNMENTS
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		(Due on this Date)	(Due on this Date)
Week 1	Clinical		
Week 2	Clinical orientation		
Week 3	Clinical		
Week 4	Clinical		
Week 5	Clinical		
Week 6	Clinical		
Week 7	Clinical		
Week 8	Clinical		
Week 9	Clinical		
Week 10	Clinical		

COURSE EVALUATION

Final grades will be calculated according to the following criteria:

Evaluation Forms 50%

Breakdown as follows:

- Patient Care Reports (PCR) 50%
- Preceptor Evaluation Form 40%
- Student Evaluation Form 10%

Clear for Clinicals 20% **(ANY MISSING DOCUMENTS REQUIRED BY DAY 12)**

Clinical Paper 10%

Completion of Clinicals 20%

GRADE SCALE

90 – 100 A

84 – 89 B

75 – 83 C

70 – 74 D

0 – 69 F

CLEAR FOR CLINICALS

You must submit all required documentation to be eligible to begin clinical rotations by the 12th class day. This grade counts as 20 percent of your overall clinical grade.

Required documentation includes:

- All new student paperwork signed (8 pages in “new student” folder).
- Clinical responsibilities agreement, Acadian waiver form (given at clinical orientation).
- Copy of your BLS provider card (issued after completing CPR course in class).
- Shot records for current immunization in MMR, Tetanus, Varicella, Influenza (current).
- TB Skin Test (dated within one year).
- Physical Exam (dated within one year).
- Drug urine analysis screen (10 panel or greater, within 90 days).

CLINICAL DOCUMENTATION

You are required to have all paperwork in-hand during your clinicals. These printable forms with instructions are available on Blackboard at all times during your course.

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.

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.

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. 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.

Course Requirements

- All class hours must be attended or make up hours documented, as required by the Texas Department of State Health Services.
- Lab Skill are required to be passed the number of times assigned to each specific lab skill.

Course Policies

1. Patient Care Reports
 - Each patient care report will be completed in either black or blue ink. The report needs to be legible.
 - All patient care report blanks will be addressed with point deductions.
 - The patient care report will be signed by the student as well as the preceptor upon completion. Failure to provide signatures will result in point deductions.
2. Google Calendar

- Google Calendar will be the official clinical scheduling calendar. All approved clinical shifts will be assigned in Google Calendar and is available in Blackboard.
3. Attendance
 - Attendance is mandatory in all assigned clinical rotations. If you are going to be unable to attend a scheduled clinical or field rotation then arrangements need to be made with the Clinical Coordinator.

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 only answer my phone when I am in my office.
2. I only return calls that leave voicemail due to excessive robocalls.
3. The best way to reach your instructor is through LIT email, cwalters@lit.edu.
4. I answer emails within 24 hours, except those received outside of office hours, during the weekend or campus holidays.

Lab/Simulation Skills Required

1. All required lab/simulation skills must be checked off prior to any student performing that skill in a clinical/field setting.
2. A preceptor must be present and at the students' side in order for a student to administer or help patient self-administer any medications.

Course Outline

- A. Introduction
 1. Introduction of EMS Staff, Instructors and students
 2. EMS program policies
 - 3.
- B. Clinical Orientation
 1. All immunization records, physical exam results, drug screen, criminal background check must be submitted.
- C. Emergency Room

Student will be scheduled for 24 contact hours.

Purpose:

It is the purpose of this rotation is to assess patients presenting with various medical problems in a medically supervised facility. It is at the preceptor's discretion which skills and medications the student may perform/administer during their clinical rotations.

During the clinical rotations in the ED, 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. Discuss and demonstrate knowledge of medication prior to administration, including looking up the medication for the following: indications, contraindications, proper dosage, side effects, calculations of dosage and proper administration technique (nebulized or oral). Only administer the medication under direct supervision of the RN, MD, or LIT preceptor. Never administer a medication you have not looked up.
 6. Assist with the following: hemorrhage control, splinting techniques and cardiac arrest patients (CPR and or BVM).
- D. Ambulance Service
- Students will be scheduled 72 contact hours

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 including.
5. Assist with the following: hemorrhage control, splinting techniques and cardiac arrest patients (CPR and or BVM).
6. Document all patient contacts for that ambulance rotation.
7. Preceptor shall document a student evaluation form.
8. Student shall document an ambulance rotation evaluation form.

A. Simulation

Simulation can be used to enhance or substitute for required clinical hours.

Accrediting agencies at this time do not define an equivalence ratio between

simulation and clinical hours for EMS education programs, however, evidence supports the use of a ratio of 2 clinical hours to 1 hour of simulation (*Jimenez, 2017; Sullivan et al., 2019*). This is due to the robust, compressed nature of simulation which enhances clinical reasoning by guiding students through purposeful, guaranteed learning experiences.

Allowable simulation contact hour substitutions by area:

1. Hospital / Emergency Room
 - a. 6 hospital simulation contact hours can be substituted for 12 hospital / emergency room contact hours.
2. Ambulance Service
 - a. 16 ambulance simulation contact hours can be substituted for 32 ambulance service contact hours.

B. Clinical Completion Paper

1. Clinical paper discussing the role you had in each of the clinical and field settings.
Requirements for the clinical paper are as follows:
 - a. 12 font, Times New Roman or Calibri
 - b. Single spaced
 - c. 750 minimum word count, 1000 + preferred.