

Practicum–Emergency Medical Technology/Technician (EMSP 2368)

INSTRUCTOR CONTACT INFORMATION

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Office Location: MPC 244
Office Hours: Upon Request



CREDIT

2 semester credit hours (0 hours lecture, 0 hours lab, 24 External)

MODE OF INSTRUCTION

Face to Face, Online or Hybrid

PREREQUISITES:

- EMT-Basic certification
- EMSP 1338
- EMSP 1356
- EMSP 2237
- EMSP 2206
- BIOL 2404
- EMSP 1455
- EMSP 2262
- EMSP 2444

CO-REQUISITES:

- EMSP 2205
- EMSP 2243
- EMSP 2330
- EMSP 2434

COURSE DESCRIPTION

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student.

Approved: 08/2024

COURSE OBJECTIVES

Upon completion of this course, the student must complete the following Student Minimum Competencies (SMC). The following is available through your Sterling Credentials account.

- A. Cumulative Motor Skill Competency: The student must proficiently demonstrate the ability to safely and successfully complete the following minimum skill sets during clinicals as follows: (Table 3, column 2 in SMC)

SKILL	EMSP 2262 Summer 2024	EMSP 2368 Fall 2024
Establish IV access	15	10
Administer IV Bolus Medication	5	5
Perform Oral endotracheal Intubation	0	10
Administer IV Infusion Medication	2	0
Administer IM injection	2*	2*
Establish IO Access	0	2
Perform PPV with BVM	5	5
Perform Endotracheal Suctioning	2	0
Perform FBAO using McGill forceps	2*	2*
Perform cricothyrotomy	0	2
Insert supraglottic airway	0	10
Perform needle decompression	0	2
Perform synchronized cardioversion	2*	2*
Perform defibrillation	2*	2*
Perform transcutaneous pacing	2*	2*
Perform chest compressions	2	0

*Skills can be completed during EMSP 2262 OR during EMSP 2368.

- B. Ages: The student must proficiently demonstrate the ability to safely and successfully complete the minimum number of patient contacts within the following age groups: (Age Table 1 in SMC)

AGES	EMSP 2262 Summer 2024	EMSP 2368 Fall 2024
Pediatric patients	15	15
Adult patients	30	30
Geriatric patients	9	9

- C. Pathology or Complaint: The student must proficiently demonstrate the ability to safely and successfully complete the following minimum patient conditions:

PATHOLOGIES/CONDITIONS	EMSP 2262 Summer 2024 (Table 2, column 1)	EMSP 2368 Fall 2024 (Table 2, column 2)
Trauma patients	18	9
Psychiatric/Behavioral patients	12	6
OB delivery with normal newborn care	2*	2*
OB delivery, complicated	2*	2*
Distressed Neonate (birth to 30 days)	2*	2*
Cardiac pathology or complaint (e.g. acute coronary syndrome, cardiac chest pain)	12	6
Cardiac arrest	2	1
Cardiac dysrhythmias	10	6
Medical neurologic pathologies/complaints (e.g. transient ischemic attack, stroke, syncope, or altered mental state presentation)	8	4
Respiratory pathologies/complaints (e.g. respiratory distress, respiratory failure, respiratory arrest, acute asthma episode, lower respiratory infection)	8	8
Other medical conditions/complaints (e.g. gastrointestinal, genitourinary, gynecologic, reproductive pathologies, or abnormal pain complaints, infectious disease, endocrine disorders or complaints (hypoglycemia, DKA, HHNS, thyrotoxic crisis, myxedema, Addison's, Cushing's), overdose or substance abuse, toxicology, hematologic disorders, non-traumatic musculoskeletal disorders, disease of the eyes, ears, nose and throat)	12	6

*Condition may be substituted with simulation.

D. Field Experience / Capstone Field Internship: The student must proficiently demonstrate competent scene and patient management as follows: (Table 4)

FIELD EXPERIENCE	EMSP 2262 Summer 2024 (Table 2, column 1)	EMSP 2368 Fall 2024 (Table 2, column 2)
Field Experience (Conducts competent assessment and management of prehospital patients with assistance while TEAM LEADER or TEAM MEMBER)	0	30
Capstone Field Internship (Successfully manages the scene, performs patient assessment(s), directs medical care and transport as TEAM LEADER with minimal to no assistance)	0	20

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.
 - e. The student will communicate effectively with others to resolve problems.

REQUIRED TEXTBOOK AND MATERIALS

EMS Program Clinical Handbook
Sterling Credentials LLC
Platinum Planner EMS Testing
EMSP Program Clinical Uniform
Stethoscope
Pen Light

COURSE EVALUATION

Final grades will be calculated according to the following criteria:

Psychomotor Skills	10%
Ages	10%
Pathologies	25%
Capstone Experience	10%
Affective	20%
Quality of patient care reports	25%

GRADE SCALE

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

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

Course Outline

- A. Introduction
 - 1. Introduction of EMS Staff, Instructors and students
 - 2. EMS program policies
 - 3. Preceptor Orientation

- B. **Ambulance Service (Field)**
Students will be scheduled 240 contact hours (TEAM MEMBER)

- C. **Ambulance Service (Capstone)**
Students will be scheduled 216 contact hours (MUST BE TEAM LEAD)

STUDENT WILL HAVE A TOTAL OF 456 AMBULANCE CONTACT HOURS

FIELD OBJECTIVES

During the field AND capstone 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. Identify and describe presenting signs and symptoms.
5. Establish priorities of care and initiate appropriate management.
6. Maintain an open airway, utilizing appropriate airway adjuncts, including endotracheal intubation and percutaneous trans-tracheal catheter ventilation.
7. Insert NG tubes as indicated
8. Perform needle decompression if indicated.
9. Provide appropriate oxygen therapy and ventilatory assistance.
10. Perform cardiopulmonary resuscitation (CPR) according to American Heart Association (AHA) standards.
11. Initiate ECG monitoring and perform electrical therapy as indicated.
12. Identify ECG rhythms and initiate appropriate management.
13. Initiate vascular access, utilizing peripheral, external jugular, or intraosseous techniques.
14. Initiate a saline lock using proper technique.
15. Calculate fluid administration rates for IV fluids.
16. Obtain blood samples and perform blood glucose evaluation.
17. Troubleshoot a malfunctioning IV infusion.
18. Identify the pharmacology, actions, indications, precautions, dosages, contraindications, and side effects of all drugs administered.
19. Calculate drug dosages.
20. Administer, using proper procedures, subcutaneous, intramuscular, intravenous, rectal and nebulized medications.
21. Perform, in order of priority, the steps in control of bleeding and shock resuscitation.
22. Perform correctly bandaging, splinting, and spinal immobilization.
23. Integrate patient care into the process of patient disentanglement and rescue.
24. Utilize portable and mobile radios per regional protocols.
25. Present an organized report via radio to staff in the ED.
26. Complete accurate written Pre-hospital Patient Run Reports
27. Document all patient contacts for that ambulance rotation.
28. Preceptor shall document a student evaluation form.
29. Student shall document an ambulance rotation evaluation form.

In addition to these field objectives, during the capstone rotations with an EMS Service, the student will:

1. Be evaluated as an effective team leader with delegation skills.

CAPSTONE EXPLANATION OF PATIENT ENCOUNTERS

A. BLS Encounter:

1. Patient care does not require advanced assessment techniques or invasive interventions.

B. ALS Encounter:

Any call where an:

1. IV has been attempted AND an EKG has been monitored, OR
2. A medication other than oxygen has been administered OR
Advanced judgment/assessment (as determined by the preceptor) has been performed.