

# Practicum–Emergency Medical Technology/Technician (EMSP 2264)

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## **Credit**

- 2 semester credit hours (0 hours lecture, 0 hours lab, 16 External)

## **Prerequisite**

- EMT-Basic certification
- EMSP 1338
- EMSP1356
- EMSP 2444
- EMSP 2338
- EMSP 2260

## **Co-requisite**

- EMSP 2348
- EMSP 2434

## **Course Description**

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

## **Required Textbook and Materials**

- EMS Program Student Handbook
- Platinum Planner
- EMSP Program Clinical Uniform
- Stethoscope
- Pen Light
- Trauma Shears
- Safety Glasses

## **Course Objectives<sup>1</sup>**

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 at least 10 times to live patients.
2. The student must demonstrate the ability to safely gain venous access in all age group patients.

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<sup>1</sup> Curriculum based on Department of Transportation National Standard Curriculum

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- a. The student should safely and successfully access venous circulation at least 20 times on live patients of various age groups.
    - b. The student must gain venous access on at least one patient aged 0 - 17 years, one patient aged 18 - 64 years, and one patient aged 62 and older.
  3. The student must demonstrate the ability to effectively ventilate patients of all age groups.
    - a. The student should effectively ventilate at least 10 live patients of various age groups.
  4. The student must demonstrate the ability to safely perform a live intubation.
    - a. The student should safely, and while performing all steps of each procedure, successfully intubate at least one live patient.
- 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 20 adult patients.
  3. The student must demonstrate the ability to perform a comprehensive assessment on at least 10 geriatric patients.
- C. Pathologies
1. The student must demonstrate the ability to perform a comprehensive assessment on at least 15 trauma patients.
  2. The student must demonstrate the ability to perform a comprehensive assessment on at least 5 psychiatric patients.
- D. Complaints
1. The student must demonstrate the ability to perform a comprehensive assessment, formulate and implement a treatment plan for at least 10 patients with chest pain.
  2. The student must demonstrate the ability to perform a comprehensive assessment, formulate and implement a treatment plan for at least 10 patients with dyspnea/respiratory distress.
    - a. The student should perform an advanced patient assessment, formulate and implement a treatment plan on at least 8 adult patients and at least 2 pediatric patients (including infants, toddlers, and school age) with dyspnea/respiratory distress.
  3. The student must demonstrate the ability to perform a comprehensive assessment, formulate and implement a treatment plan for at least 5 patients with a change in mental status.
  4. The student must demonstrate the ability to perform a comprehensive assessment, formulate and implement a treatment plan for at least 10 patients with abdominal complaints.
  5. The student must demonstrate the ability to perform a comprehensive assessment, formulate and implement a treatment plan for at least 5 patients with altered mental status.

**E. Affective Skills**

1. While in the field 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 field 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 field 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 field 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 field 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 field 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 field 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 field 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.

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- d. The student will remain flexible and open to change.
  - e. The student will communicate effectively with others to resolve problems.
- F. Team leads
  - 1. While in the field setting, the student will demonstrate the ability to serve as the team leader.
  - 2. The student should perform as team lead on at least 10 BLS encounters.
  - 3. The student has team led if he or she has conducted (not necessary performed the entire interview or physical exam, but rather been in charge of):
    - a. Comprehensive assessment,
    - b. Formulated and implemented a treatment plan for the patient.
  - 4. This means that most (if not all) of the decisions have been made by the student, especially:
    - a. Formulating a field impression.
    - b. Directing the treatment.
    - c. Determining patient disposition and packaging and moving the patient.
    - d. Minimal to no prompting was needed by the preceptor.
  - 5. No action was initiated; performed or withheld that endangered the physical or psychological safety of the patient, bystanders, first responders or crew.
- G. BLS Encounter:
  - 1. Patient care does not require advanced assessment techniques or invasive interventions
- H. 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
  - 3. Advanced judgment/assessment (as determined by the preceptor) has been performed

**Course Outline**

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

**B. EMS Service**

Students will be scheduled 240 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.

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- 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.

**Grade Scale**

90 – 100	A
80 – 89	B
70 – 79	C
60 – 69	D
0 – 59	F

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#### **Course Evaluation**

Final grades will be calculated according to the following criteria:

Psychomotor Skills	20%
Ages	15%
Pathologies	15%
Complaints	15%
Affective	15%
Team Leads	10%
Quality of patient care reports	10%

#### **Course Requirements**

- Student must meet required number of clinical patient contacts, as required by the Texas Department of State Health Services, CoAEMSP and EMSP Program guidelines.
- Patient care reports for all required patient contacts, as required by the Texas Department of State Health Services, CoAEMSP and EMS Program guidelines.
- Students must maintain a 75% grade average in all EMSP courses.
- Student that has not met all stated goals may receive an Incomplete “I”. The grade of “I” may be assigned at the discretion of the instructor. A grade of "I" is intended to be assigned when the student is unable to complete some course work as a result of unusual circumstances. An "I" is not intended to allow a student to repeat a course. Plans to complete deficiencies in a course should be made with the instructor. Incomplete course work must be finished during the following long semester. If course work is not completed during the long semester, the Office of Records will change the “I” grade to the grade of “F.” The course must then be repeated if credit is denied. An “I” grade also automatically becomes an “F” if the student re-registers for the course before removing the deficiencies and receiving a grade change.

#### **Course Policies**

- See EMS Program Student handbook for specific course policies.

#### **Disabilities Statement**

The Americans with Disabilities Act of 1992 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. Among other things, these statutes require that all students with documented disabilities be guaranteed a learning environment that provides for reasonable accommodations for their disabilities. If you believe you have a disability requiring an accommodation, please contact the Special Populations Coordinator at (409) 880-1737 or visit the office in Student Services, Cecil Beeson Building.

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