

COURSE DESCRIPTIONS

EMERGENCY MEDICAL SERVICES

EMSP 1160 CLINICAL EMERGENCY MEDICAL TECHNICIAN BASIC

Format: (1 credit hour)

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

Prerequisite: Cardiopulmonary resuscitation (CPR)

Corequisite: EMSP 1501

Credits: 1

Distribution: EMSP

Course Fee: Lab fee= \$24

EMSP 1161 CLINICAL-EMERGENCY MEDICAL TECHNOLOGY/TECHNICAL

Format: (1 credit hour)

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

Prerequisite: Texas Success Initiative (TSI) Complete, CPR, BIOL 2401/2404, EMSP 1501, EMSP 1160, NREMT, EMSP 1338, EMSP 1356, EMSP 2306, EMSP 2137, EMSP 1355, EMSP 2444, EMSP 2330, EMSP 2237

Credits: 1

Distribution: EMSP

Course Fee: Lab fee= \$24

EMSP 1162 CLINICAL-EMERGENCY MEDICAL TECHNOLOGY/TECHNICAL

Format: (1 credit hour)

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

Prerequisite: Texas Success Initiative (TSI) Complete, CPR, BIOL 2401/2404, EMSP 1501, EMSP 1160, NREMT, EMSP 1338, EMSP 1356, EMSP 2306, EMSP 2137, EMSP 1355, EMSP 2444, EMSP 2330, EMSP 2237, EMSP 1161, Corequisites EMSP 2434, EMSP 2205

Credits: 1

Distribution: EMSP

Course Fee: Lab fee= \$24

EMSP 1305 EMERGENCY CARE ATTENDANT

Format: 2 lecture / 3 lab (3 credit hours)

Preparation for certification as an Emergency Care Attendant (ECA)/Emergency Medical Responder (EMR).

Credits: 3

Distribution: EMSP

Course Fee: Lab fee= \$24

EMSP 1338 INTRO TO ADVANCED PRACTICE

Format: 2 lecture / 3 lab (3 credit hours)

An exploration of the foundations necessary for mastery of the advanced topics of clinical practice out of the hospital. At the completion of this course, the student will understand the roles and responsibilities of a paramedic within the EMS system and apply the basic concepts of development, pathophysiology and pharmacology to assessment and management of emergency patients. They will also be able to properly administer medication; communicate effectively with patients; and understand the medical/legal and ethical issues relating to EMS practice as well as the issues impacting the wellbeing of the paramedic.

Prerequisite: TSI Complete, CPR, BIOL 2401/2404, EMSP 1501, EMSP 1160, NREMT, Corequisites: EMSP 1356, EMSP 2306

Credits: 3

Distribution: EMSP

Course Fee: Drug Testing Fee = \$40; Lab fee= \$24

EMSP 1355 TRAUMA MANAGEMENT

Format: 2 lecture / 3 lab (3 credit hours)

A detailed study of the knowledge and skills necessary to reach competence in the assessment and management of patients with traumatic injuries. At the completion of this course, the student will be able to integrate the pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the trauma patient.

Prerequisite: TSI Complete, CPR, BIOL 2401/2404, EMSP 1501, EMSP 1160, BIOL 2401/2404, NREMT, EMSP 1338, EMSP 1356, EMSP 2306, EMSP 2137, Corequisites: EMSP 2444, EMSP 2330, EMSP 2237

Credits: 3

Distribution: EMSP

Course Fee: Lab fee= \$24

EMSP 1356 PATIENT ASSESSMENT/AIRWAY MANAGEMENT

Format: 2 lecture / 3 lab (3 credit hours)

A detailed study of the knowledge and skills required to reach competence in performing patient assessment and airway management. At the completion of this course, the student will be able to take a proper history and perform a comprehensive physical exam on any patient, develop a patient-care plan, communicate with others, and establish and/or maintain a patient airway, oxygenate, and ventilate a patient.

Prerequisite: TSI Complete, CPR, BIOL 2401/2404, EMSP 1501, EMSP 1160, Corequisites: EMSP 1338, EMSP 2306

Credits: 3

Distribution: EMSP

Course Fee: Lab fee= \$24

EMSP 1501 EMERGENCY MEDICAL TECHNICIAN-BASIC

Format: 2 lecture / 9 lab (5 credit hours)

Introduction to the level of Emergency Medical Technician (EMT)-basic. Includes all the skills necessary to provide emergency medical care at a basic life support level with an ambulance service or other specialized services.

Prerequisite: Healthcare provider CPR and required Immunization. Corequisites: EMSP 1160

Credits: 5

Distribution: EMSP

Course Fee: Drug Testing = \$40; Lab fee= \$24

EMSP 2137 EMERGENCY PROCEDURES

Format: 3 lab (1 credit hour)

Instruction in a laboratory environment concentrating on development of practical medical skills and critical thinking abilities. Students will master a variety of skills appropriate to their training level by a combination of practice; use of mannequins, actors or other students, and stage scenarios. Required verifications of specific skills may be included.

Prerequisite: TSI Complete, CPR, BIOL 2401/2404, EMSP 1501, EMSP 1160, EMSP 1338, EMSP 1356, EMSP 2306

Credits: 1

Distribution: EMSP

Course Fee: Lab fee= \$24

EMSP 2143 ASSESSMENT BASED MANAGEMENT

Format: 3 lab (1 credit hour)

The capstone course of the EMSP program. Designed to provide for teaching and evaluating comprehensive, assessment-based patient care management. At the completion of this course, the student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan for patients with common complaints.

Prerequisite: TSI Complete, CPR, BIOL 2401/2404, EMSP 1501, EMSP 1160, EMSP 1338, EMSP 1356, EMSP 2306, EMSP 2137, EMSP 1355, EMSP 2444, EMSP 2330, EMSP 2237, EMSP 1161, EMSP 2434, EMSP 2205, EMSP 1162, Corequisites EMSP 2366

Credits: 1

Distribution: EMSP

Course Fee: Lab fee= \$24

EMSP 2205 EMERGENCY MEDICAL SERVICE OPERATIONS

Format: 1 lecture / 3 lab (2 credit hours)

A detailed study of the knowledge and skills necessary to reach competence to safely manage the scene of an emergency. At the completion of this course, the student will be able to safely manage medical incidents, rescue situation, hazardous material and crime scenes.

Prerequisite: TSI Complete, CPR, BIOL 2401/2404, EMSP 1501, EMSP 1160, EMSP 1338, EMSP 1356, EMSP 2306, EMSP 2137, EMSP 1355, EMSP 2444, EMSP 2330, EMSP 2237, EMSP 1161, Corequisites: EMSP 2434, EMSP 1162

Credits: 2

Distribution: EMSP

Course Fee: Lab fee= \$24

EMSP 2237 EMERGENCY PROCEDURES II

Format: 1 lecture / 4 lab (2 credit hours)

Instruction in a laboratory environment concentrating on development of practical medical skills and critical thinking abilities. Students will master a variety of skills appropriate to their training level by a combination of practice; use of mannequins, actors or other students, and stage scenarios. Required verifications of specific skills may be included.

Prerequisite: TSI Complete, CPR, BIOL 2401/2404, EMSP 1501, EMSP 1160, EMSP 1338, EMSP 1356, EMSP 2306, EMSP 2137, Corequisites: EMSP 1355, EMSP 2444, EMSP 2330.

Credits: 2

Distribution: EMSP

Course Fee: Lab fee= \$24

EMSP 2306 EMERGENCY PHARMACOLOGY

Format: 2 lecture / 3 lab (3 credit hours)

A comprehensive course covering all aspects of the utilization of medications in treating emergency situations. The course is designed to complement cardiology, special populations, and medical emergency course medication in emergency situations. Students will demonstrate understanding of the pharmacodynamics, pharmacokinetics, indications, contraindications, possible side effects, and common drug interactions of a variety of medication used in out-of-hospital medic care.

Prerequisite: TSI Complete, CPR, BIOL 2401/2404, EMSP 1501, EMSP 1160, Corequisites: EMSP 1338, EMSP 1356.

Credits: 3

Distribution: EMSP

Course Fee: Lab fee= \$24

EMSP 2330 SPECIAL POPULATIONS

Format: 2 lecture / 3 lab (3 credit hours)

A detailed study of the knowledge and skills necessary to reach competence in the assessment and management of ill or injured patients in nontraditional populations. At the completion of this course, the student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan for neonatal, pediatric, and geriatric patients, diverse patients, and chronically ill patients.

Prerequisite: TSI Complete, CPR, BIOL 2401/2404, EMSP 1501, EMSP 1160, EMSP 1338, EMSP 1356, EMSP 2306, EMSP 2137, Corequisites: EMSP 1355, EMSP 2444, EMSP 2237.

Credits: 3

Distribution: EMSP

Course Fee: Lab fee= \$24

EMSP 2366 CLINICAL II-EMERGENCY MEDICAL TECHNOLOGY/TECHNICAL

Format: (3 credit hours)

352 ext. A health-related, work-based learning experience that helps enable the student apply specialized occupations theory, skills, and concepts. Direct supervision is provided by the clinical professional.

Prerequisite: TSI Complete, CPR, BIOL 2401/2404, EMSP 1501, EMSP 1160, EMSP 1338, EMSP 1356, EMSP 2306, EMSP 2137, EMSP 1355, EMSP 2444, EMSP 2330, EMSP 2237, EMSP 1161, EMSP 2434, EMSP 2205, EMSP 1162, corequisites EMSP 2143.

Credits: 3

Distribution: EMSP

Course Fee: Lab fee= \$24

EMSP 2434 MEDICAL EMERGENCIES

Format: 3 lecture / 3 lab (4 credit hours)

A detailed study of the knowledge and skills necessary to help reach competence in the assessment and management of patients with medical emergencies. At the completion of this course, the student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan for the medical patient.

Prerequisite: TSI Complete, CPR, BIOL 2401/2404, EMSP 1501, EMSP 1160, EMSP 1338, EMSP 1356, EMSP 2306, EMSP 2137, EMSP 1355, EMSP 2444, EMSP 2330, EMSP 2237, EMSP 1161, corequisites: EMSP 2205, EMSP 1162.

Credits: 4

Distribution: EMSP

Course Fee: Lab fee= \$24

EMSP 2444 CARDIOLOGY

Format: 3 lecture / 3 lab (4 credit hours)

A detailed study of the knowledge and skills necessary to reach competence in the assessment and management of patients with cardiac emergencies. At the completion of this course, the student will be able to integrate patho-physiological principles and assessment findings to formulate a field impression, and implement a treatment plan for the cardiac patient.

Prerequisite: TSI Complete, CPR, BIOL 2401/2404, EMSP 1501, EMSP 1160, EMSP 1338, EMSP 1356, EMSP 2306, EMSP 2137, corequisites: EMSP 1355, EMSP 2330, EMSP 2237.

Credits: 4

Distribution: EMSP

Course Fee: Lab fee= \$24

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