

# EMERGENCY MEDICAL SERVICES (EMSP)

## **EMSP 1160 Clinical-Emergency Medical Technician 1 Credit (0 Lec, 6 Lab)**

This is 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. Specific detailed learning objectives are developed for the course. Orientation is required prior to the start of the course.

Co-requisite(s): EMSP 1501 and departmental approval.

Course Type: Technical

## **EMSP 1260 Clinical - Advanced Emergency Medical Technology 2 Credits (0 Lec, 12 Lab)**

This is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by a clinical professional. Specific detailed learning objectives are developed for the course. Continuous enrollment may be required until these objectives are met. Orientation is required prior to the start of the course. Co-requisites: EMSP 1338, 1355, 1356 and departmental approval.

Course Type: Technical

## **EMSP 1338 Introduction to Advanced Practice 3 Credits (2 Lec, 4 Lab)**

This course covers fundamental elements associated with emergency medical services to include preparatory practices, pathophysiology, medication administration, and related topics.

Prerequisite(s): EMSP 1160, EMSP 1501, BIOL 2301 and BIOL 2101, and BIOL 2302 and BIOL 2102; or BIOL 2404 or departmental approval.

Co-requisite(s): EMSP 1355, EMSP 1356, and EMSP 1260. Reading level 7, Writing level 7 and Math level 8.

Course Type: Technical

## **EMSP 1355 Trauma Management 3 Credits (2 Lec, 4 Lab)**

This is a detailed study of the knowledge and skills in the assessment and management of patients with traumatic injuries. Students must meet the expected outcomes and terminal objectives of the class.

Prerequisite(s): EMSP 1160, EMSP 1501, BIOL 2301 and BIOL 2101, and BIOL 2302 and BIOL 2102; or BIOL 2404 or departmental approval.

Co-requisite(s): EMSP 1338, EMSP 1356, and EMSP 1260. Reading level 7, Writing level 7, Math level 8.

Course Type: Technical

## **EMSP 1356 Patient Assessment and Airway Management 3 Credits (2 Lec, 4 Lab)**

This course covers knowledge and skills required to perform patient assessment, airway management, and artificial ventilation. Students must meet the expected outcomes and terminal objectives of the class.

Prerequisite(s): EMSP 1160, EMSP 1501, BIOL 2301 and BIOL 2101, and BIOL 2302 and BIOL 2102; or BIOL 2404 or departmental approval.

Co-requisite(s): EMSP 1338, EMSP 1355, and EMSP 1260. Reading level 7, Writing level 7, and Math level 8.

Course Type: Technical

## **EMSP 1501 Emergency Medical Technician 5 Credits (3 Lec, 8 Lab)**

This course provides the preparation for certification as an Emergency Medical Technician (EMT). Students must meet the expected outcomes and terminal objectives of the class.

Course Type: Technical

## **EMSP 2205 EMS Operations 2 Credits (2 Lec, 0 Lab)**

This course is a detailed study of the knowledge and skills necessary to reach competence to safely manage multi-casualty incidents and rescue situations; utilize air medical resources; identify hazardous materials and other specialized incidents. Curriculum is based on the National Emergency Medical Services Educational Standards. Practical field exercises will be performed, and some may require weekend participation. The student must meet the expected outcomes and terminal objectives of the class. Continuous enrollment may be required until these are met.

Prerequisite(s): Program Director/Departmental approval. Reading level 7, Writing level 7, and Math level 8.

Course Type: Technical

## **EMSP 2206 Emergency Pharmacology 2 Credits (1 Lec, 2 Lab)**

This is a study of drug classifications, actions, therapeutic uses, adverse effects, routes of administration and calculation of dosages. Students must meet the expected outcomes and terminal objectives of the class.

Prerequisite(s): EMSP 1338, EMSP 1355, EMSP 1356, EMSP 1260, BIOL 2301 and BIOL 2101, and BIOL 2302 and BIOL 2102; or BIOL 2404 or departmental approval. Reading level 7, Writing level 7, and Math level 8.

Course Type: Technical

## **EMSP 2237 Emergency Procedures 2 Credits (0 Lec, 5 Lab)**

This course uses the application of emergency medical procedures.

This course was designed to be taken once and repeated if necessary to improve student proficiency.

Prerequisite(s): EMSP 1338, EMSP 1355, EMSP 1356, BIOL 2301 and BIOL 2101, and BIOL 2302 and BIOL 2102; or BIOL 2404, or departmental approval

Course Type: Technical

## **EMSP 2243 Assessment Based Management 2 Credits (0 Lec, 5 Lab)**

This course is a summative experience covering comprehensive, assessment-based patient care management for the paramedic level. Students must meet the expected outcomes and terminal objectives of the class.

Prerequisite(s): EMSP 2434, EMSP 2330, or departmental approval. Reading level 7, Writing level 7 and Math level 8.

Course Type: Technical

## **EMSP 2268 Emergency Medical Technician Paramedic Practicum 2 Credits (0 Lec, 14 Lab)**

This is a practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. Practical/field experiences are unpaid external learning experiences. Specific detailed learning objectives are developed for the course and continuous enrollment may be required until these are met. Orientation is required prior to the start of the course.

Co-requisite(s): EMSP 2243 or departmental approval.

Course Type: Technical

**EMSP 2330 Special Populations 3 Credits (2 Lec, 3 Lab)**

This course covers knowledge and skills necessary to assess and manage ill or injured patients in diverse populations to include neonatology, pediatrics, geriatrics, and other related topics. Students must meet the expected outcomes and terminal objectives of the class. Prerequisite(s): EMSP 2206, EMSP 2444 or departmental approval. Reading level 7, Writing level 7, and Math level 8.

Course Type: Technical

**EMSP 2352 Emergency Medical Services Research 3 Credits (3 Lec, 1 Lab)**

This course covers primary and/or secondary research in current and emerging issues in EMS. Basic research principles, scientific inquiry, and interpretation of professional literature are emphasized.

Course Type: Technical

**EMSP 2434 Medical Emergencies 4 Credits (4 Lec, 1 Lab)**

This course covers knowledge and skills in the assessment and management of patients with medical emergencies, including medical overview, neurology, gastroenterology, immunology, pulmonology, urology, hematology, endocrinology, toxicology, and other related topics. Students must meet the expected outcomes and terminal objectives of the class. Prerequisite(s): EMSP 2206, EMSP 2444 or departmental approval. Reading level 7, Writing level 7, Math level 8.

Course Type: Technical

**EMSP 2444 Cardiology 4 Credits (2 Lec, 6 Lab)**

This course covers assessment and management of patients with cardiac emergencies. Includes single and multi-lead ECG interpretation. Students must meet the expected outcomes and terminal objectives of the class.

Prerequisite(s): EMSP 1338, EMSP 1355, EMSP 1356, EMSP 1260, BIOL 2301 and BIOL 2101, and BIOL 2302 and BIOL 2102; or BIOL 2404 or departmental approval. Reading level 7, Writing level 7, and Math level 8

Course Type: Technical

**EMSP 2462 Clinical - EMT Paramedic II 4 Credits (0 Lec, 20 Lab)**

This is 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. Specific, detailed learning objectives are developed for the course. Continuous enrollment may be required until these are met. Orientation and departmental approval is required prior to the start of the course.

Co-requisite(s): EMSP 2330, EMSP 2434

Course Type: Technical