

EMERGENCY MEDICAL SERVICES (EMS)

EMS 110. Emergency Medical Technician

Credits: 4

Prerequisite: Completion of a healthcare provider level CPR (BLS) Course.

Corequisites: EMS 115 and EMS 118.

Typically Offered: FASPSU

This course is required to apply for certification as an Emergency Medical Technician. This course provides students with insights into the theory and application of concepts related to the profession of emergency medical services. Specific topics include: EMS preparatory, airway maintenance, patient assessment, management of trauma patients, management of medical patients, treating infants and children, and various EMS operations. Upon successful completion of this course and the corequisites, students are qualified to take the National Registry Examination for Emergency Medical Technician.

EMS 115. Emergency Medical Technician - Hospital

Credits: 1

Prerequisite: Completion of a healthcare provider level CPR (BLS) course.

Corequisites: EMS 110 and EMS 118.

Typically Offered: FASPSU

This course is required to apply for certification as an Emergency Medical Technician. This course provides students with insights into the theory and application of concepts related to the profession of emergency medical services. Specific topics include: EMS preparatory, airway maintenance, patient assessment, management of trauma patients, management of medical patients, treating infants and children, and various EMS operations. This course consists of demonstrations of emergency procedures for life-saving problems, which will be practiced in the college laboratory and in a local hospital emergency facility. Upon successful completion of this course and the corequisites, students are qualified to take the National Registry Examination for Emergency Medical Technician.

EMS 118. Emergency Medical Technician - Field Internship

Credits: 1

Prerequisite: Completion of a healthcare provider level CPR (BLS) course.

Corequisites: EMS 110 and EMS 115.

Typically Offered: FASPSU

This course is required to apply for certification as an Emergency Medical Technician. This course provides students with insights into the theory and application of concepts related to the profession of emergency medical services. Specific topics include: EMS preparatory, airway maintenance, patient assessment, management of trauma patients, management of medical patients, treating infants and children and various EMS operations. This course consists of demonstrations of emergency procedures for life-saving problems, which will be practiced in the college laboratory and at a local ambulance service. Upon successful completion of this course and the co-requisites, students are qualified to take the National Registry Examination for Emergency Medical Technician.

EMS 120. EMT Skill Lab

Credits: 1

Corequisites: EMS 110, EMS 115 and EMS 118.

Typically Offered: FASPSU

This course is required to apply for certification as an Emergency Medical Technician. The purpose of the laboratory is to discuss, perform, and relate the concepts taught in the EMT didactic lecture. This will be done in group discussion, group and individual scenarios, and group or individual testing. This is a hands-on course where the physical and mental skills necessary for the appropriate assessment and treatment of patients will be taught and tested in small groups and individually. Students should be prepared for rigorous questioning and skill demonstration in front of the instructor and their peers. Upon successful completion of this course and the corequisites, students are qualified to take the National Registry Examination for Emergency Medical Technician.

EMS 208. Introduction to Advanced Pre-Hospital Care

Credits: 2

Typically Offered: FALL

This is an introductory course for the Paramedic student. It will build on the knowledge gained during the students EMT-Basic education and experiences and introduces the student to the expanded role of the Paramedic. Topics include roles and responsibilities, EMS systems, the well-being of the paramedic, illness and injury prevention, medical/legal issues, ethics, general principles of pathophysiology, therapeutic communications, and life span development.

EMS 210. Emergency Pharmacology/Fluid Therapy

Credits: 3

Typically Offered: ONDEMAND

This course introduces the Paramedic student to venous access, IV therapy, basic pharmacological effects on the body, medication administration, and drug calculations.

EMS 212. Airway Management and Ventilation

Credits: 1

Typically Offered: ONDEMAND

This course introduces the Paramedic student to basic and advanced airway management concepts. Skills include, but are not limited to, assessment, airway adjuncts, bag-valve-mask, Combitude, EOA, intubation, and associated pharmacological interventions.

EMS 214. Comprehensive Patient Assessment

Credits: 2

Typically Offered: ONDEMAND

This course introduces the Paramedic student to a comprehensive physical examination and assessment, which includes history taking, clinical decision making, communications, and documentation.

EMS 216. Trauma Patient Management

Credits: 2

Typically Offered: SPRING

This course prepares the student to identify, assess, and manage patients with traumatic emergencies. Topics include: Trauma Systems, Mechanism of Injury, Soft-Tissue Trauma, Burns, Head and Face Trauma, Spinal Trauma, Thoracic Trauma, Abdominal Trauma, and Musculoskeletal Trauma.

EMS 218. Respiratory Emergencies

Credits: 1

Typically Offered: ONDEMAND

This course prepares the Paramedic student to identify, assess, manage and treat respiratory emergencies. Skills include, but are not limited to, assessment, nebulizer therapy, and associated pharmacological interventions.

EMS 220. Cardiac Emergencies I

Credits: 2

Typically Offered: ONDEMAND

This course prepares the student to identify single and multi-lead cardiac rhythms and treat those rhythms considered to be life threatening with electrical therapy. Skills include, but are not limited to, assessment, defibrillation, cardioversion, and cardiac rhythm interpretation.

EMS 221. Cardiac Emergencies II

Credits: 2

Typically Offered: ONDEMAND

This course prepares the student to assess, manage, and treat various cardiovascular emergencies. These emergencies include, but are not limited to, ventricular fibrillation, bradycardia, tachycardia, myocardial infarction, cardiogenic shock, pulmonary edema, angina pectoris, congestive heart failure, hypertension, PEA, and asystole.

EMS 223. Medical Patient Management

Credits: 2

Typically Offered: SPRING

This course prepares the Paramedic student to identify, assess, and manage the patient with a medical emergency. Topics include: Neurology, Endocrinology, allergies and anaphylaxis, Gastroenterology, Urology, Toxicology, Environmental Conditions, Infectious and Communicable Diseases, Behavioral and Psychiatric Disorders, Gynecological and Obstetrical Emergencies, and associated pharmacological intervention.

EMS 224. Special Considerations

Credits: 3

Typically Offered: ONDEMAND

This course prepares the Paramedic student to identify, assess, manage, and treat age-related emergencies and other special challenges. The student will also be introduced to the concept of assessment based management. Topics include Neonatology, Pediatrics, Geriatrics, Abuse and Assault, Patients with Special Challenges, Acute Interventions for the Chronic Care Patient, Assessment-Based Management, and associated pharmacological interventions.

EMS 226. EMS Operations

Credits: 3

Typically Offered: SUMMER

This course introduces the Paramedic student to the concepts of medical incident command, ambulance and rescue operations, hazardous materials incidents, and crime scene awareness. This course will also result in the awarding of certification in Emergency Vehicle Operations and Extrication.

EMS 228. EMS Communications

Credits: 2

Typically Offered: SPRING

This lab course prepares paramedic students for communication processes related to the health care industry. A special focus will engage students in the pre-hospital expectations of communication with both a written (narrative writing) and oral (radio/in person report) focus. This course will also address HIPPA compliance. This course will prepare the Paramedic student to give reports in front of instructor and peers.

EMS 230. ACLS (Advanced Cardiac Life Support)

Credits: 1

Typically Offered: ONDEMAND

This course will result in the rewarding of Advanced Cardiac Life Support Certification for the period of two years from the America Heart Association. It covers all aspects of treating cardiac patients at the advanced level.

EMS 231. PALS (Pediatric Advanced Life Support)

Credits: 1

Typically Offered: ONDEMAND

This course results in the awarding of Pediatric Advanced Life Support certification from the American Academy of Pediatrics and the American Heart Association. The course covers all aspects of the treating pediatric patients.

EMS 232. PHTLS-Prehospital Trauma Life Support

Credits: 1

Typically Offered: SUMMER

This course will award a certification in Prehospital Trauma Life Support good for a period of three years. Topics include, but are not limited to Kinematics, Trauma Airway Management, Thoracic Trauma, Extremity Trauma, Thermal Trauma, Shock and Fluid Resuscitation, Head Trauma, Spinal Trauma, and Musculoskeletal Trauma.

EMS 235. Paramedic Summation

Credits: 1

Typically Offered: SUMMER

This course is designed to prepare the paramedic students for entry into the EMS workforce through a series of evaluations in cognitive, psychomotor, and affective learning domains. Evaluations will include but are not limited to paramedic course review and summative examinations, and scenario based evaluation conducted by the program medical director.

EMS 240. Hospital Clinical I

Credits: 2

Typically Offered: FALL

This course allows the Paramedic student to apply learned classroom skills and knowledge in clinical settings such as laboratory, preoperative holding, emergency department, anesthesia department, and triage. The student will function under the direction of a preceptor. The student will input patient contact information into the FISDAP Internet data collection system.

EMS 242. Field Experience I

Credits: 1

Typically Offered: FALL

This course is designed to introduce the Paramedic student to BLS and ALS prehospital operations and allows the student to gain meaningful experience as a provider on an ambulance service. The student will become familiar with procedures and care provided by paramedics in the field. The student will function under the direction of a preceptor. The student will input patient contact information into the FISDAP internet data collection system.

EMS 244. Skill Lab I

Credits: 1

Typically Offered: FALL

This is the first in a series of three paramedic lab courses. The purpose of the laboratory is to discuss, perform, and relate the concepts taught in the paramedic didactic courses. This will be done in group discussion, group and individual scenarios, and group or individual testing. This is a hands-on course where the physical and mental skills necessary for the appropriate assessment and treatment of patients will be taught and tested in small groups and individually. Students should be prepared for rigorous questioning and skill demonstration in front of the instructor and their peers.

EMS 250. Hospital Clinical II

Credits: 2

Typically Offered: SPRING

This course allows the Paramedic student to apply learned classroom skills and knowledge in clinical settings such as anesthesia, emergency department, same-day surgery, operating room, and respiratory care. The student will function under the direction of a preceptor. The student will input patient contact information into the FISDAP Internet data collection system.

EMS 252. Field Experience II

Credits: 2

Typically Offered: FALL

This course allows the student to gain meaningful experience as a BLS and ALS provider on an ambulance service. The student will become familiar with procedures and care provided by paramedics in the field. The student will function under the direction of a preceptor. The student will input patient contact information into the FISDAP internet data collection system.

EMS 254. Skill Lab II

Credits: 1

Typically Offered: SPRING

This is the second in a series of three paramedic lab courses. The purpose of the laboratory is to discuss, perform, and relate the concepts taught in the paramedic didactic courses. This will be done in group discussion, group and individual scenarios, and group or individual testing. This is a hands-on course where the physical and mental skills necessary for the appropriate assessment and treatment of patients will be taught and tested in small groups and individually. Students should be prepared for rigorous questioning and skill demonstration in front of the instructor and their peers.

EMS 282. Field Capstone

Credits: 3

Typically Offered: FALL

The Field Capstone course is designed to allow the student to function in the role of Paramedic under direct supervision of a Paramedic preceptor. Successful completion of the Capstone, which may include additional shifts/patient contacts, will conclude when all requirements are met and with the assigned preceptor documenting that the student is capable of functioning independently as a Paramedic in the field.

EMS 284. Skill Lab III

Credits: 2

Typically Offered: SUMMER

This is the third in a series of three paramedic lab courses. The purpose of the laboratory is to discuss, perform, and relate the concepts taught in the paramedic didactic courses. This will be done in group discussion, group and individual scenarios, and group or individual testing. This is a hands-on course where the physical and mental skills necessary for the appropriate assessment and treatment of patients will be taught and tested in small groups and individually. Students should be prepared for rigorous questioning and skill demonstration in front of the instructor and their peers.