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 co-requisites, 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 160. Advanced EMT (AEMT) - Lecture I
Credits: 3
Prerequisite: EMT and Healthcare Provider BLS (CPR).
Corequisite: EMS 161, EMS 165, EMS 168 and EMS 170.
Typically Offered: FASPSU
The primary focus of the Advanced Emergency Medical Technician is to provide basic and limited advanced emergency medical care and transportation for critical and emergent patients who access the emergency medical system. This course provides students with insights into the theory and application of concepts related to the profession of Emergency Medical Services, specifically the Advanced Emergency Medical Technician (AEMT) course. Specific topics include: EMS preparatory, airway maintenance, patient assessment, shock and resuscitation and management of trauma patients. Upon successful completion of this course and EMS 161, EMS 165, EMS 168, and EMS 170, students are qualified to take the National Registry examination for Advanced EMT (AEMT).
EMS 161. Advanced EMT (AEMT) - Lecture I
Credits: 3
Prerequisite: EMT and Healthcare Provider BLS (CPR).
Typically Offered: FALL
The primary focus of the Advanced Emergency Medical Technician is to provide basic and limited advanced emergency medical care and transportation for critical and emergent patients who access the emergency medical system. This course provides students with insights into the theory and application of concepts related to the profession of Emergency Medical Services, specifically the Advanced Emergency Medical Technician (AEMT) course. Specific topics include: medical patient management, special patient populations, and EMS operations. Upon successful completion of this course and EMS 160, EMS 165, EMS 168 and EMS 170, students are qualified to take the National Registry examination for Advanced EMT (AEMT).

EMS 165. Advanced EMT (AEMT) - Hospital Clinical
Credits: 1
Prerequisite: EMT and Healthcare Provider BLS (CPR).
Corequisites: EMS 160, EMS 168 and EMS 170.
Typically Offered: FALL
This course provides students with the application of concepts and hands on practice related to the profession of Emergency Medical Services, specifically the Advanced Emergency Medical Technician (AEMT) course. Students will practice their skills and abilities while attending hospital clinicals where they will be directly supervised by licensed ALS provider or RN. Upon successful completion of this course, and EMS 160, EMS 168 and EMS 170, students are qualified to take the National Registry examination for Advanced EMT.

EMS 168. Advanced EMT (AEMT) - Field Internship
Credits: 1
Prerequisite: EMT and Healthcare Provider BLS (CPR).
Corequisites: EMS 160, EMS 165 and EMS 170.
Typically Offered: FALL
This course provides students with the application of concepts and hands on practice related to the profession of Emergency Medical Services, specifically the Advanced Emergency Medical Technician (AEMT) course. Students will practice their skills and abilities while attending field internships where they will be directly supervised by licensed ALS providers. Upon successful completion of this course, and EMS 160, EMS 165, and EMS 170, students are qualified to take the National Registry examination for Advanced EMT.

EMS 170. Advanced EMT (AEMT) - Skills Lab
Credits: 2
Prerequisite: EMT and Healthcare Provider BLS (CPR).
Corequisites: EMS 160, EMS 165, EMS 168.
Typically Offered: FALL
This course provides students with the application of concepts and hands on practice related to the profession of Emergency Medical Services, specifically the Advanced Emergency Medical Technician (AEMT) course. The purpose of the laboratory is to discuss, perform and relate the concepts taught in the AEMT didactic lecture. This will be accomplished in group discussion, group and individual scenarios and group and 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 EMS 160, EMS 165 and EMS 168, students are qualified to take the National Registry examination for Advanced EMT.

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.