
EMERGENCY MEDICAL SERVICES

EMS 1119, Emergency Medical Technician Emergency Medical Technician

5 hrs., 5 crs.,

Corequisite: EMS1401. The initial study of emergency medical services designed to enable the student to become proficient in the emergency care of the sick and injured. Completion of course leads to eligibility for licensure examination as an Emergency Medical Technician-Basic (EMT-B).

EMS 1310, Emergency Medical Services Management Emergency Medical Services Management

1 hr., 1 cr.,

Designed for persons who supervise emergency medical services personnel. Emphasis is placed on goal setting, organizational structure, budgeting, communications, performance evaluation, and stress management.

EMS 1335, Emergency Vehicle Operator I Emergency Vehicle Operator I

1 hr., 1 cr.,

\$20.00 lab fee Designed to meet Florida Health Department requirements that all emergency vehicle operators employed by EMS providers must have completed an ambulance driving program. The course combines lecture with a driving laboratory. (Students who are not active duty military must show proof of a valid Florida Driver's License.)

EMS 1337, Defensive Tactics For Healthcare Providers Defensive Tactics For Healthcare Providers

1 hr., 1 cr.,

This course is designed to provide healthcare personnel with basic knowledge of signs of aggressive/violent behavior and tactics to properly respond using verbal and or physical skills to control aggressive behavior in the course of providing emergency care.

EMS 1401, Emergency Medical Technician Lab Emergency Medical Technician Lab

12.73 hrs., 5 crs.,

\$81.00 lab fee Corequisite: EMS1119. An integrated experience that is designed to allow the student to apply practical experience to material learned in Emergency Medical Technician. Students will learn how to assess, treat and transport the sick and injured at the level of the Emergency Medical Technician in the laboratory, simulated, medical facility and pre-hospital field environment. There is emphasis on assessment based learning and complies with national EMT curriculum.

EMS 1555, EMS Trauma Management EMS Trauma Management

1 hr., 1 cr.,

\$25.00 lab fee Prerequisite: EMT certificate or permission of the instructor. This course is designed for the EMS student, teaching the fundamentals of managing traumatic injuries at the basic and advanced levels in accordance with the National Basic Trauma Life Support Committee. The recognition and treatment of specific traumatic injuries such as pneumothorax, closed head injury, hemothorax, compensated and decompensated shock, fractures, uncontrolled bleeding, and internal injuries of the abdomen and thorax. Emphasis is on rapid assessment, management, and transport with discussion on mechanism of injury and kinematics of trauma.

EMS 1761, Assistant Teaching in Emergency Medical Services Assistant Teaching in Emergency Medical Services

3 hrs., 3 crs.,

Prerequisites: EMT license and permission of the instructor. Emphasis is placed on lesson plan development, classroom management, awareness of EMS regulatory agency requirements for course content, and effective methods of instruction in cognitive material and psychomotor skills. The student participates in cognitive and psychomotor instruction under the supervision of EMS faculty.

EMS 2010, Essentials of Structure and Function Essentials of Structure and Function

3 hrs., 3 crs.,

Designed for the EMS student, this course presents basic information on the structure and function of the human body. Applies principles of anatomy and physiology to demonstrate interaction of body systems as they maintain homeostasis. Emphasis will be placed on the nervous system, cardiovascular, and respiratory systems.

EMS 2231, Paramedic I Paramedic I**9 hrs., 9 crs.,**

Corequisite: EMS2435. First course in the sequence necessary for Paramedic program completion. Designed to integrate concepts & clinical skills learned at the EMT level with advanced life support concepts & skills. Emphasis on patient assessment, pulmonary anatomy & physiology, advanced airway management, pathophysiology & clinical management of shock, medical emergencies & cardiac related emergencies. Course is consistent with the most current Paramedic curriculum guidelines.

EMS 2232, Paramedic II Paramedic II**8 hrs., 8 crs.,**

Prerequisites: BSC1020, EMS2231, EMS2435, RET1934. Corequisite: EMS2436. Second course in the sequence necessary for Paramedic program completion. Integrates & reinforces concepts & clinical skills learned in Paramedic I. Emphasis on pharmacology, behavioral, trauma, obstetrics, pediatrics, EMS operations, and special challenges (critical care, mass casualty), and reinforcement of cardiology and medical emergencies. Consistent with the most current Paramedic curriculum.

EMS 2233, Paramedic III Paramedic III**2 hrs., 2 crs.,**

Prerequisite: EMS2232, EMS2436, EMS2553, EMS2934. This course is a culmination of the Paramedic program in which previous education and training are reviewed and applied to complete a comprehensive educational learning experience. Case reviews, laboratory practice and simulated experiences are reviewed through the lens of an entry-level Paramedic provider. The course ends with a comprehensive written and practical examination. Successful completion leads to eligibility to sit for the National Registry Paramedic examination.

EMS 2340C, Basic Vehicle Rescue and Extrication Basic Vehicle Rescue and Extrication**1 hr., 1 cr.,**

Designed for the EMT student, teaching the fundamentals of gaining access to and disentanglement of victims of vehicular crashes. Emphasis is placed on victim and rescuer safety. Actual use of available rescue tools is included. Packaging of patients to protect against possible spinal injuries is demonstrated and assessed. The course takes place with a mock scene and "junk" cars are used for experience with rescue tools. (Students who are not active duty military must show proof of a valid Florida Driver's License.)

EMS 2425, Paramedic Internship Paramedic Internship**18.13 hrs., 6 crs.,**

\$15.00 lab fee Prerequisites: EMS2232, EMS2436, EMS2553, EMS2934. Corequisite: EMS2233. This is a capstone clinical practice course consisting of ten (10) 24-hour shifts aboard an advanced life support ambulance. The Paramedic student functions under the clinical supervision of a selected Paramedic preceptor as the acting charge Paramedic for the entirety of clinical internship. In addition the students participate in 15 sentinel clinical scenarios in a high-fidelity simulation lab setting and laboratory skills review.

EMS 2435, Paramedic I Lab Paramedic I Lab**17.6 hrs., 7 crs.,**

\$90.00 lab fee Corequisite: EMS2231. Integrated experience including laboratory learning and practice, simulated patient experiences, and clinical experience in area medical facilities and pre-hospital emergency medical services.

EMS 2436, Paramedic II Lab Paramedic II Lab**17.6 hrs., 7 crs.,**

\$70.00 lab fee Corequisite: EMS2232. Integrated experience including laboratory practice of advanced cardiac life support skills, clinical experience in area hospitals and field experience with the ambulance service.

EMS 2439, Advanced Clinical Internship Advanced Clinical Internship**5 hrs., 5 crs.,**

Prerequisites: Florida EMT license and permission of instructor. Supervised rotations in a variety of clinical settings designed to develop increased clinical proficiency, decision-making skills, and knowledge of pathophysiology of illness and injury.

EMS 2526, Twelve-Lead Electrocardiogram Twelve-Lead Electrocardiogram**1 hr., 1 cr.,**

Prerequisite: EMT certificate or permission of the instructor. This course is designed for the EMS student, teaching the fundamentals of twelve-lead electrocardiogram (EKG) interpretation. Emphasis is placed on scenario-based and case-based learning that reinforces the concept that 12 lead EKG technology is the best tool for visualization of the surfaces of the heart, identification of sites of ischemia, injury and infarction, as well as various intricate conduction abnormalities.

EMS 2552, Advanced Cardiac Life Support Advanced Cardiac Life Support**1 hr., 1 cr.,**

Advanced Cardiovascular Life Support (ACLS). This course builds on the foundation of lifesaving BLS skills, emphasizing the importance of preventing cardiac arrest, early and continuous high-quality CPR, and high-performing teams resulting in the obtainment of the Advance Cardiovascular Life Support (ACLS) certification. Science and education from the most current American Heart Association Guidelines for CPR and Emergency Cardiovascular Care will be utilized.

EMS 2553, Pediatric Advanced Life Support Pediatric Advanced Life Support**1 hr., 1 cr.,**

\$5.00 lab fee Prerequisite: EMT certificate or permission of the instructor. This course is designed for the EMS student, teaching the fundamentals of recognizing infants and children that are at risk for cardiopulmonary arrest, including the strategies that are needed to prevent cardiopulmonary arrest in infants and children and the cognitive and psychomotor skills needed to resuscitate and stabilize infants and children in respiratory failure, shock, or cardiopulmonary arrest.

EMS 2558, Stroke Management Stroke Management**1 hr., 1 cr.,**

Prerequisite: EMT certificate or permission of instructor. This course is designed for the EMS student, teaching the recognition of the early signs and management of stroke and other related neurovascular emergencies. Other content includes stroke prevention, risk factors and medical interventions. This course incorporates lecture with scenario-based and case-based learning that reinforces the current concepts of stroke care.

EMS 2934, Advanced Medical Life Support Advanced Medical Life Support**1 hr., 1 cr.,**

\$15.00 lab fee Prerequisite: EMT certificate or permission of instructor. This course is designed for the EMS student, providing the EMS student with a better understanding of the pathophysiology of disease processes. This course incorporates lecture with scenario-based and case-based learning that reinforces current concepts of emergency care for shock, chest pain, altered mental status and respiratory emergencies.

EMS 2949, COOP/Work Experience/Emergency Medical Services COOP/Work Experience/Emergency Medical Services**1 hr., 1 cr.,**

1-3 crs. Cooperative Education courses may be taken toward completion of most of the Associate in Arts and Associate in Science degree programs. A maximum of six credit hours may be used in meeting the A.A. degree requirements. Prerequisite: Minimum of 2.0 GPA, meet with the co-op coordinator, and availability of co-op work experience slot. Supervised, practical work experience that seeks to combine theories and apply practical skills to projects in the student's major field of study. Requirements include online weekly, mid-term, and end-of-term reflection assignments.
