

EMS: EMERGENCY MEDICAL SERVICES

Courses

	Credit(s)	Contact	Lab
EMS 0110. EMERGENCY MEDICAL TECHNICIAN.	10	300	0
EMERGENCY MEDICAL TECHNICIAN The Emergency Medical Technician course prepares students to provide pre-hospital assessment and care for patients of all ages with a variety of medical conditions and traumatic injuries. Areas of study include an introduction to emergency medical services systems, roles and responsibilities of EMTs, anatomy and physiology, medical emergencies, trauma, special considerations for working in the pre-hospital setting, and providing patient transportation.			
EMS 1010. ESSENTIALS OF HUMAN STRUCTURE AND FUNCTION.	3	3	0
ESSENTIALS OF HUMAN STRUCTURE AND FUNCTION This is a comprehensive study of anatomy and physiology of the human body. The general concepts of anatomy and physiology for the assessment and management of emergency patients by the paramedic in the prehospital field area will be emphasized. Each body system is presented with emphasis on cardiovascular, respiratory and the nervous system. It applies principles of anatomy and physiology to show interaction of organ systems with emphasis on the processes that maintain homeostasis. This course meets the student objectives found in the national standard dot paramedic curriculum anatomy and physiology objectives.			
EMS 1119. FUNDAMENTALS OF EMERGENCY MEDICAL TECHNOLOGY.	8	8	0
FUNDAMENTALS OF EMERGENCY MEDICAL TECHNOLOGY Corequisites: EMS 1119L and EMS 1431L Develops health professional capable of providing basic life support in all aspects of emergency medical care. Student learns assessment in medical and trauma emergencies, stabilization of illness/injury and patient transport.			
EMS 1119L. FUNDAMENTALS OF EMERGENCY MEDICAL TECHNOLOGY PRACTICE.	2	0	6
FUNDAMENTALS OF EMERGENCY MEDICAL TECHNOLOGY PRACTICE Corequisites: EMS 1119 and EMS 1431 Laboratory exercises emphasize patient assessment, radio communications, airway management, bandaging, splinting, CPR, methodologies of shock treatment, obstetrical assistance, extrication, MAST applications, working with cardiac monitors, setting up IVs and others. (Special Fee: \$113.00).			
EMS 1431L. EMERGENCY MEDICAL TECHNICIAN CLINICAL PRACTICUM.	2	0	6
EMERGENCY MEDICAL TECHNICIAN CLINICAL PRACTICUM Corequisites: EMS 1119 and EMS 1119L Allows student to apply in clinical setting (emergency department and field units) skills learned in lab portion of course. (Professional liability insurance required.) (Special Fee: \$76.00).			

EMS 2522. EMERGENCY PHARMACOLOGY. 2 2 0

EMERGENCY PHARMACOLOGY Prerequisite: EMS 1010 and State of Florida Emergency Medical Technician Certification and acceptance to Paramedic Certificate program. Corequisite: EMS 2603, EMS 2603L, EMS 2666L Emergency pharmacology is the study of the administration of intravenous fluids and emergency intravenous medicinal therapy. Includes pharmacology of medications used in management of persons suffering both acute and chronic medical, behavioral and toxicological emergencies in the prehospital environment. Includes the knowledge and skills required for safe, effective administration of therapeutic medications and the indications and contraindications associated with medication therapy.

EMS 2603. PARAMEDIC I. 6 6 0

PARAMEDIC I Prerequisites: EMS 1010 and State of Florida Emergency Medical Technician Certification and acceptance to Paramedic Certificate program. Corequisites: EMS 2603L, EMS 2666L, EMS 2522 EMS 2603 is the first course in the sequence necessary for completion of the Paramedic Certificate curriculum. The course is designed to reinforce concepts and clinical skills learned at the EMT level and to integrate this knowledge with beginning advanced life support concepts and skills. Emphasis is placed on EMS Systems, illness and injury prevention, medical-legal issues, patient assessment, airway management and ventilation, pathophysiology, shock, abuse and assault, challenged patients, operational issues, and decision making regarding appropriate interventions for identified problems. This course includes Modules 1, 2 and 3 of the DOT National Standard Curriculum for Paramedic Program.

EMS 2603L. PARAMEDIC I LABORATORY. 2 0 6

PARAMEDIC I LABORATORY Corequisites: EMS 2603, EMS 2666L, EMS 2522 EMS 2603L is designed to reinforce concepts and clinical skills learned at the EMT level and to integrate this knowledge with beginning advanced life support concepts and skills. The Laboratory exercises include a review of EMT skills, patient assessment, airway management, venipuncture/intravenous therapy pharmacology and administration techniques. This course includes Module 1, 2 and 3 of the DOT National Standard Curriculum for Paramedic Programs. (Special Fee: \$467.00).

EMS 2604. PARAMEDIC II. 8 8 0

PARAMEDIC II Prerequisites: EMS 1010, EMS 2603, EMS 2603L and EMS 2666L Corequisites: EMS 2604L and EMS 2667L EMS 2604 is the second course in the sequence necessary for completion of the Paramedic Certificate Program. The course is designed to reinforce and expand upon the materials and clinical skills learned at the EMT and Paramedic I level and to integrate prior learning with enhanced advanced life support concepts and skills. Emphasis is placed on patient assessment and recognition of significant findings, pre-hospital diagnosis and differential diagnosis, treatment strategies, anatomy and physiology, pathophysiology, trauma and the management of respiratory emergencies, cardiac emergencies, endocrine and metabolic emergencies, neurological emergencies, gastrointestinal/genitourinary emergencies, toxicological emergencies, and environmental conditions. This course includes Modules 4 and 5 of the DOT National Standard Curriculum for Paramedic Programs.

EMS 2604L. PARAMEDIC II LABORATORY. 2 0 6
 PARAMEDIC II LABORATORY Corequisites: EMS 2604 and EMS 2667L
 This course is designed to develop an EMS healthcare professional who is capable of providing Basic and Advanced Life Support (BLS and ALS) in all aspects of emergency care. During this competency-based lab, students will develop, practice and master paramedic skills. Laboratory exercises emphasize patient assessment, trauma and medical skills and treatment strategies, ECG equipment and interpretation, cardiac therapeutic interventions, application of computer skills including mega-code scenarios, trauma scenarios, medical scenarios, ECG recognition, and Advanced Cardiac Life Support resuscitative care. This course includes Modules 4, and 5 of the DOT National Standard Curriculum for Paramedic Programs. (Special Fee: \$274.00).

EMS 2605. PARAMEDIC III. 3 3 0
 PARAMEDIC III Prerequisites: EMS 2604, EMS 2604L and EMS 2667L
 Corequisites: EMS 2605L and EMS 2668L EMS 2605 is the third course in the sequence necessary for completion of the Paramedic Program. The course is designed to reinforce and expand upon the materials and clinical skills learned at the EMT, and Paramedic I and II levels and to integrate prior learning with enhanced advanced life support concepts and skills. Emphasis is placed on patient assessment and recognition of significant findings, pre-hospital differential diagnosis and treatment strategies, pathophysiology, gynecologic emergencies, obstetrical emergencies, neonatal emergencies, pediatric emergencies, and geriatric emergencies. This course includes Modules 6, and 7 of the DOT National Standard Curriculum for Paramedic Programs.

EMS 2605L. PARAMEDIC III LABORATORY. 1 0 3
 PARAMEDIC III LABORATORY Corequisites: EMS 2605 and EMS 2668L
 EMS 2605L is designed to develop a health professional who is capable of providing Basic and Advanced Life Support (BLS and ALS) in all aspects of emergency care. During this competency-based lab students will develop, practice and master paramedic skills. Laboratory exercises emphasize obstetrical, and neonatal management, pediatric assessment, pediatric airway management and ventilation, intravenous and intra-osseous therapy, medication administration, Pediatric Advanced Life Support (PALS) certification, advanced vascular devices used in home health and assessment based management and operations. This course includes Modules 6, and 7 of the DOT National Standard Curriculum for Paramedic Programs (Special Fee: \$210.00).

EMS 2659L. PARAMEDIC IV (PROVISIONAL FIELD INTERNSHIP). 4 0 12

PARAMEDIC IV (PROVISIONAL FIELD INTERNSHIP) Prerequisites: EMS 2605, EMS 2605L, and EMS 2668 EMS 2659L is the last course necessary to complete the Paramedic Certificate Program. Under the auspices of the medical director, this course is designed to provide the student with intensive clinical experience which fosters the development of leadership skills, expands and further develops clinical skills, and allows for the transition from observer to team leader in the professional paramedic role. Documented student participation as the team leader during a "code" must be completed during this course if these skills have not been completed during the previous out-of-hospital clinical practicum. This course includes Module 8 of the DOT National Standard Curriculum for Paramedic Programs. (Professional liability insurance required). (Special Fee: \$92.00).

EMS 2666L. PARAMEDIC I CLINICAL. 4 0 12
 PARAMEDIC I CLINICAL Corequisites: EMS 2603 and EMS 2603L and EMS 2522 Practicum providing the opportunity for each student to develop competency in clinical skills within the hospital/field setting. Stresses the integration of basic computer skills, application of EMT and paramedic skills and techniques. Directed clinical experiences include emergency departments, medical examiner's office (autopsy), geriatric and mental health facilities. This course includes Modules 1, 2, and 3 of the DOT National Standard Curriculum for Paramedic Programs. (Professional liability insurance required.) (Special Fee: \$90.00).

EMS 2667L. PARAMEDIC II CLINICAL. 4 0 12
 PARAMEDIC II CLINICAL Corequisites: EMS 2604 and EMS 2604L
 Practicum providing the opportunity in hospital and out-of-hospital settings for each student to develop competency in clinical skills necessary to serve as a member of an advanced life support team. Stresses the integration of EMT and paramedic responsibilities so the student gains knowledge and confidence in clinical problem solving. Directed clinical experiences include pre-hospital, emergency departments and critical care units. This course includes Modules 4, and 5 of the DOT National Standard Curriculum for Paramedic Programs. (Professional liability insurance required.).

EMS 2668L. PARAMEDIC III CLINICAL. 3 0 9
 PARAMEDIC III CLINICAL Corequisites: EMS 2605 and EMS 2605L
 This practicum stresses clinical application of advanced procedures and theories in pediatrics and OB. Directed experiences will be in neonatology, obstetrics, physician mentorships, pediatric emergency departments, and clinics. Local hospitals will be utilized. This course includes Modules 6, and 7 of the DOT National Standard Curriculum for Paramedic Programs. (Professional liability insurance required).

EMS 2930. SELECTED TOPICS IN EMS. 1-5 variable
 SELECTED TOPICS IN EMS Designed for students interested in obtaining additional skills as EMT or paramedic. Provides clinical experience and/or didactic activities. May require student to provide professional liability insurance. Multiple credit course. May be repeated for credit, but grade forgiveness cannot be applied. (Special fee may be required.).