

Emergency Medical Technology Course Descriptions

EMS 1118 - Emergency Medical Technician-Basic

This course includes responsibilities of the EMT during each phase of an ambulance run, patient assessment, emergency medical conditions, appropriate emergency care, and appropriate procedures for transporting patient. Five hours lecture. Six hours laboratory. Three hours clinical. Eight hours credit.

EMS 1142 - Foundations of Paramedicine - Lecture

This course consists includes a comprehensive review of the knowledge base and skill set of the Emergency Medical Technician. History of EMS, Well-Being of the EMT, medical legal issues, communication and documentation will be expanded to the role of the paramedic. This course includes the theory related to intravenous/intraosseous access, medication administration, patient assessment, and introductory pharmacological calculations.

EMS 1115 – Foundations of Paramedicine – Lab

A laboratory experience designed to give psychomotor experience to the theoretical concepts developed in the lecture.

EMS 1242 – Concepts of Airway and Respiratory Medicine – Lecture

This course integrates complex knowledge of anatomy, physiology, and pathophysiology into the assessment to develop and implement a treatment plan with the goal of assuring a patient airway, adequate mechanical ventilation, and respiration for patients of all ages.

EMS 1251 – Concepts of Airway and Respiratory Medicine – Lecture

This course in co-requisite with the lecture portion will integrate comprehensive knowledge of anatomy, physiology, and pathophysiology into the assessment to develop and implement a treatment plan with the goal of ensuring a patent airway, adequate mechanical ventilation, and respirations for patients of all ages.

EMS 1343 – Concepts of Cardiovascular Medicine – Lecture

This course consists of the theory, anatomy, physiology, pathophysiology and treatments associated with the conditions of the cardiovascular system. This includes the theory of introductory, advanced, and multi-lead electrocardiogram interpretation. Changes in the lifespan will also be included.

EMS 1352 – Concepts of Cardiovascular Medicine – Lab

A laboratory experience designed to give psychomotor experience to the theoretical concepts developed in the lecture.

EMS 1514 – Practicum I

Using supervised rotations in a definitive care setting, the students will apply the concepts developed in the didactic and laboratory courses to live patients. This will include, but not be limited to rotations in the emergency department, ICU, OR, respiratory therapy, and pediatrics.

EMS 1525 – Practicum II

A continuation of EMS – 1514. Using supervised rotations in a definitive care setting, the students will continue to develop assessment and treatment skills. The student will transition to field experience upon achieving competencies in the definitive care setting.

EMS 1742 – Concepts of Neurological Medicine – Lecture

This course consists of the theory, anatomy, physiology, pathophysiology, and treatments associated with conditions of the nervous system. This includes conditions related to structure and those associated with organic and non- organic brain disease. Changes in the lifespan will be included.

EMS 1751 – Concepts of Neurological Medicine – Lab

A laboratory experience designed to give psychomotor experience to the theoretical concepts developed in the lecture.

EMS 1942 – Concepts of Reproductive Medicine – Lecture

This course consists of the theory, anatomy, physiology, pathophysiology, and treatments associated with conditions of the reproductive system. The course includes care of the newborn as part of the concepts in reproductive medicine. Changes in the lifespan will be included.

EMS 1951 – Concepts of Reproductive Medicine – Lab

A laboratory experience designed to give psychomotor experience to the theoretical concepts developed in the lecture.

EMS 2343 – Medical Emergencies of the Secondary Assessment - Lecture

This course will integrate patient assessment and assessment findings with principles of epidemiology and pathophysiology across the lifespan. At the conclusion of this course, the student will be able to formulate a field impression and implement a comprehensive treatment/disposition plan for a patient with a medical complaint.

EMS 2351 – Medical Emergencies of the Secondary Assessment – Lab

This course will integrate patient assessment and assessment findings with principles of epidemiology and pathophysiology across the lifespan. At the conclusion of this course, the student will be able to