

# ALLIED HEALTH (ALHE)

## ALHE 1023 - EMT Practicum I (1 Credit)

This course is the first of three practicums designed to provide the Advanced EMT student with the opportunity to perform a history and physical examination to identify factors affecting the health and health needs of a patient. Formulate a field impression based on an analysis of assessment findings, anatomy, physiology, pathophysiology, and epidemiology. Relate assessment findings to underlying pathological and physiological changes in the patient's condition. Effectively communicate in a manner that is culturally sensitive and intended to improve the patient outcome. Students will also have the opportunity to perform basic and advanced interventions as part of a treatment plan intended to mitigate the emergency, provide symptom relief, and improve the overall health of the patient in the clinical setting. Prerequisite: Acceptance into the EMS program. Corequisites: None. Offered: On demand.

Lab hours: 4

## ALHE 1025 - Trauma for the EMT (3 Credits)

This course includes material from the Trauma and Operations Modules of the current National EMS Education Standard. It is designed to provide the student with the fundamental knowledge to provide basic and selected advanced emergency care and transportation based on assessment findings for an acutely injured patient. Topics covered in this course are: Airway management, assessment and management of the trauma victim, bleeding, chest trauma, abdominal and genitourinary trauma, orthopedic trauma, soft tissue trauma, head, face, neck and spine trauma, nervous system trauma, special considerations in trauma, environmental emergencies and multisystem trauma, shock management, gaining access and vehicle extrication of the trauma victim, multiple casualty incident and International Trauma Life Support. Offered: Fall, Spring.

Lecture hours: 2

Lab hours: 3

## ALHE 1029 - EMT Practicum II (1 Credit)

This course is the second of three practicums designed to provide the Advanced EMT student with the opportunity to perform a history and physical examination to identify factors affecting the health and health needs of a patient. Formulate a field impression based on an analysis of assessment findings, anatomy, physiology, pathophysiology and epidemiology. Relate assessment findings to improve patient outcome. Students will also have the opportunity to perform basic and advanced interventions as part of a treatment plan intended to mitigate the emergency, provide symptom relief and improve the overall health of the patient in the clinical setting. Offered: Fall, Spring.

Prerequisites: ALHE 1023

Lab hours: 4

## ALHE 1032 - Advanced Life Support for the AEMT (4 Credits)

This course includes material from the current National EMS Education Standard to provide increased knowledge and skills in specific aspects of advanced life support. Topics covered in this course are: patient assessment, advanced airway management, pharmacology, respiratory and cardiovascular assessment and management, Advanced Cardiac Life Support for the AEMT, pathophysiology, shock/trauma, acid-base disturbances, obstetrics, neonatal care, pediatrics, geriatrics, patients with special challenges and pediatric life support. This course concludes with a comprehensive program review and preparation for the National Registry of EMT's exam. Offered: Fall, Spring, Summer.

Prerequisites: ALHE 1025 and ALHE 1036 and ALHE 1110

Lecture hours: 3

Lab hours: 3

## ALHE 1034 - AEMT Practicum III (1 Credit)

This course is the third of three practicums designed to provide the Advanced EMT student with the opportunity to perform a history and physical examination to identify factors affecting the health and health needs of a patient. Formulate a field impression based on an analysis of assessment findings, anatomy, physiology, pathophysiology and epidemiology. Relate assessment findings to underlying pathological and physiological changes in the patient's condition. Effectively communicate in a manner that is culturally sensitive and intended to improve patient outcome. Students will also have the opportunity to perform basic and advanced interventions as part of a treatment plan intended to mitigate the emergency, provide symptom relief and improve the overall health of the patient in the clinical setting. Offered: Fall, Spring, Summer.

Prerequisites: ALHE 1029

Lab hours: 4

## ALHE 1036 - Medical Emergencies for the EMT (3 Credits)

This course includes material from the Preparatory and Medical Modules of the current National EMS Education Standard. It is designed to provide the student with fundamental knowledge to provide basic and selected advanced emergency care and transportation based on assessment findings for an acutely ill patient. Topics covered in this course are: Airway management, respiration and artificial ventilation, patient assessment, neurology, abdominal and gastrointestinal disorders, immunology, infectious diseases, endocrine disorders, psychiatric emergencies, cardiovascular emergencies, toxicology, respiratory emergencies, hematology, genitourinary/renal disorders, gynecology, non-traumatic musculoskeletal disorders, and diseases of the eyes, ears, nose, and throat. Credits: 3.00 Credit Hours (2.00 Lecture - 3.00 Lab) Prerequisites: Acceptance into the EMS program Offered: Fall, Spring.

Lecture hours: 2

Lab hours: 3

**ALHE 1039 - Essential Skills for the EMT (3 Credits)**

This course includes material from the Anatomy/Physiology, Pathophysiology and Pharmacology of the current National EMS Education Standard. It is designed to provide the student with the fundamental knowledge and foundational skills needed to provide advanced level care to the sick or injured patient. Topics covered in this course are: key components of cellular physiology and pathophysiology, patient assessment; gynecological and obstetrical emergencies; neonatal care; pediatrics; geriatrics; patients with special challenges; and toxicological emergencies. Credits: 3 (Lecture 2; Lab 3) Offered: Fall, Spring.

Lecture hours: 2

Lab hours: 3

**ALHE 1104 - Intro to Disease Conditions (2 Credits)**

The basic pathophysiology of common disease conditions will be examined. The effect of disease on each body system is studied with emphasis on etiology, diagnosis, prognosis, prevention, and Occupational Therapy therapeutic treatment indications and contraindications. The effects of pathology across the lifespan are presented. Learner In-depth research on a particular topic is required. Offered: Fall.

Lecture hours: 2

**ALHE 1110 - EMS Systems and Operations (3 Credits)**

This course includes material from the Preparatory, Public Health, and Operations Modules of the current National EMS Education Standard. It is designed to provide the student with comprehensive knowledge of EMS systems, workforce safety and wellness, medical/legal and ethical issues, and knowledge of operational roles and responsibilities which are intended to ensure and improve the health and safety of EMS personnel, patients, and the community. Topics covered in this course are: EMS systems, research, workplace safety and wellness, documentation, communication, medical/legal and ethics, public health, principles of operating a ground ambulance, air medical, crime scene, incident management, hazardous materials awareness, and terrorism/disaster response. Offered: Fall, Spring.

Lecture hours: 2

Lab hours: 3

**ALHE 1120 - Medical Terminology (2 Credits)**

Medical terminology approached through roots, prefixes, and suffixes of medical terms. Definition and spelling of anatomical, diagnostic, symptomatic and operative medical terms are covered. Offered: Fall, Spring, Summer.

Lecture hours: 2

Other hours: 2