

# EMERGENCY MEDICAL TRAINING (EMTL)

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## **EMTL 1050 America Heart BLS CPR Instructor**

### **1.0 credit hours**

15.0 Classroom Hours = 13.0 Lecture Hours + 2.0 Lab Hours

Certification class for becoming an AHA BLS CPR and First Aid Instructor.

The class covers instructional methods and materials used in classroom training.

## **EMTL 1110 American Heart BLS Provider**

### **0.5 credit hours**

7.5 Classroom Hours = 4.5 Lecture Hours + 3.0 Lab Hours

This class is intended to provide the Health Care student with training, as an individual or as a team member, to administer adult, child, and infant CPR. Usage of an AED, pocket mask, and bag-valve mask is also included. This class fulfills the CPR requirement for most other health related professions. Fee \$20 (book and two year certification card).

## **EMTL 1310 American Heart First Aid Plus**

### **0.5 credit hours**

8.0 Classroom Hours = 4.5 Lecture Hours + 3.5 Lab Hours

General principles of first aid for medical and injury emergencies are provided training in the class. Single responder CPR, AED, and environmental emergencies are included in the training. This class meets the requirements for some daycare and law enforcement providers. Fee \$20 (book and two year certification card)

## **EMTL 1410 Emergency Medical Responder**

### **3.0 credit hours**

60.0 Classroom Hours = 40.0 Lecture Hours + 20.0 Lab Hours

The primary focus of this class is to train the responder to initiate immediate lifesaving care to critical patients who access the emergency medical system. This training will be basic knowledge and skills necessary to provide lifesaving interventions while awaiting additional EMS response and how to assist higher-level trained personnel at the scene and during transport. These trained skills are performed with minimal equipment and under medical direction. Fee \$25.

## **EMTL 1520 Emergency Medical Technician(EMT) I**

### **4.0 credit hours**

75.0 Classroom Hours = 45.0 Lecture Hours + 30.0 Lab Hours

Emergency Medical Technician I is the first of a two-course offering designed for successful completion of an EMT Course following the National EMS Educational Standards and Guidelines. The course is the first component in the training that provides basic knowledge and skills necessary to provide patient care and transportation as a component of a comprehensive EMS response team. This emergency medical course includes the following modules: Preparatory, Airway Management, Patient Assessment, Pharmacology, and Trauma. Upon successful completion of EMTL 1520 EMT I students must complete EMTL 1530 EMT II to successfully complete the entire EMT course of training. Successful completion of both EMTL 1520 and 1530 allows eligibility for the National Registry written and practical exams. Students may apply for state licensure after earning National Registry certification. Course Fee \$145.00

## **EMTL 1530 Emergency Med Technician (EMT) II**

### **4.0 credit hours**

75.0 Classroom Hours = 45.0 Lecture Hours + 30.0 Lab Hours

Emergency Medical Technician II is the second component of a two-course offering designed for successful completion of an EMT course following the National EMS Educational Standard and Instructional Guidelines. To be eligible for this course, students must have successfully completed EMTL 1520 EMT I within the last year. This course will provide basic knowledge and skills necessary to provide patient care and transportation as a component of a comprehensive EMS response team. This emergency medical course includes the following modules: Medical Emergencies, Special Patients/Populations, and Ambulance Operations as well as the FEMA Incident Command Systems courses NIMS 100 & 700 and HAZMAT. Successful completion of both EMTL 1520 (EMT I) and EMTL 1530 (EMT II) will allow a student to sit for the National Registry written and practical exams. Students may apply for state EMT Licensure upon receiving National Registry certification. Prerequisite: EMTL 1520 within one year.

## **EMTL 1550 Emergency Med Tech Refresher**

### **2.0 credit hours**

35.0 Classroom Hours = 25.0 Lecture Hours + 10.0 Lab Hours

A classroom review of emergency medical care focused on procedures and skills that meet the requirements for National and State of Nebraska relicensure. Prerequisites: EMTL 1530 or proof of licensure, and a current BLS CPR certification. Fee \$10.

## **EMTL 1640 Intravenous Therapy**

### **2.0 credit hours**

48.0 Classroom Hours = 36.0 Lecture Hours + 12.0 Lab Hours

This course provides instruction in preparatory, respiratory and circulatory systems, pharmacology, and correct techniques of peripheral venipuncture for IV therapy.

## **EMTL 2100 PHTLS Pre-Hospital Trauma Life Sup**

### **1.0 credit hours**

16.0 Classroom Hours = 12.0 Lecture Hours + 4.0 Lab Hours

The PHTLS Provider course is an intensive two-day course which will introduce the student to knowledge of the physiology, patho-physiology, and kinetics of injury. This course will advance the student's level of competence to specific pre-hospital trauma intervention skills and provide an overview of the management of the multi-system trauma patient. Prerequisites: EMTL 1530.

## **EMTL 2110 AMLS Advanced Medical Life Support**

### **1.0 credit hours**

16.0 Classroom Hours = 12.0 Lecture Hours + 4.0 Lab Hours

The AMLS Provider course is an intensive two-day course which will introduce the student to knowledge of the physiology, patho-physiology of the medical patient. This course will advance the student's level of competence to specific medical conditions and provide an overview of the treatment and management of the medical patient. Prerequisites: EMTL 1530.

## **EMTL 2630 Introduction to Paramedicine**

### **3.0 credit hours**

45.0 Classroom Hours = 45.0 Lecture Hours

Introduction to the foundation of the paramedic practice including; roles and responsibilities, well being of the paramedic, injury and illness prevention, medical legal, ethics, body systems, concepts of pathophysiology, and life span development. Prerequisites: BIOS 1100 or BIOS 2250 and BIOS 2260 with a grade of C+ or better.

**EMTL 2640 Paramedic Pharmacology****2.0 credit hours**

45.0 Classroom Hours = 25.0 Lecture Hours + 20.0 Lab Hours

Introduction to the basic principles of pharmacology, drug and chemical classification, and medication administration used in prehospital emergency setting.

**EMTL 2650 Airway Management/Ventilation****0.5 credit hours**

15.0 Classroom Hours = 8.0 Lecture Hours + 7.0 Lab Hours

Introduction to knowledge of the airway anatomy and physiology, and the establishment and management techniques for a patent airway.

**EMTL 2660 Patient Assessment****2.0 credit hours**

45.0 Classroom Hours = 25.0 Lecture Hours + 20.0 Lab Hours

Introduction of cognitive and psychomotor principles of patient assessment including therapeutic communication, patient history taking, communications, documentation, patient care, and transport.

**EMTL 2670 Shock Resuscitation/Trauma****4.0 credit hours**

75.0 Classroom Hours = 45.0 Lecture Hours + 30.0 Lab Hours

Introduce the paramedic student to the pathophysiological principles of shock and trauma injuries in order to perform an appropriate assessment and to formulate and implement a treatment plan for the trauma patient. Prerequisite: EMTL 2630.

**EMTL 2680 Medical Emergencies I****4.0 credit hours**

75.0 Classroom Hours = 54.0 Lecture Hours + 21.0 Lab Hours

Introduction of cognitive and psychomotor principles of the cardiovascular anatomy and physiology, epidemiology of cardiovascular disease, cardiac rhythms, ECG monitoring, mechanisms of cardiac dysrhythmias, pathophysiological principles of cardiac assessment, and the formulation and implementation of algorithms and defibrillation for treatment plans of the cardiac patient. Prerequisites: EMTL 2630.

**EMTL 2690 Medical Emergencies II****7.5 credit hours**

120.0 Classroom Hours = 105.0 Lecture Hours + 15.0 Lab Hours

Introduce the paramedic student to the pathophysiological principles of medical emergencies in order for the student to perform an appropriate assessment and to formulate and implement a treatment plan for the medical patient with respiratory, allergy and anaphylactic, neurological, non-traumatic abdominal, toxicological, renal, endocrine, environmental, infectious disease, gynecological, and behavioral emergencies. Prerequisite: EMTL 2630.

**EMTL 2730 Special Considerations****2.5 credit hours**

45.0 Classroom Hours = 30.0 Lecture Hours + 15.0 Lab Hours

Introduction to knowledge of assessment, formulation and implementation of treatment plans for the special patient populations including obstetrics and gynecology, neonatology, pediatrics, geriatrics, abuse and assault, patients with special challenges, social issues, and care for the patient with a chronic illness. Prerequisite: EMTL 2630.

**EMTL 2740 EMS Instructor Trainer****3.0 credit hours**

45.0 Classroom Hours = 45.0 Lecture Hours

A course designed to teach the methods needed to effectively instruct others in emergency medical services courses. Lecture, discussion, and performance are components of this class. The course meets one of the State of Nebraska requirements for licensure as an EMS instructor. Prerequisite: Current certification as an EMS Provider.

**EMTL 2750 Operations/Putting It All Together****1.0 credit hours**

15.0 Classroom Hours = 15.0 Lecture Hours

Introduction to knowledge in assessment-based management, clinical decision making, and transporting of the critical patient. This course will prepare the paramedic student for ambulance operations, crime scene awareness, dispatch activities, emergency vehicle operations, EMS operations command and control, vehicle rescue, tactical EMS, and response to hazardous materials incidents. Prerequisite: EMTL 2630.

**EMTL 2765 Clinical Practicum****5.0 credit hours**

230.0 Classroom Hours = 230.0 Lab Hours

Students rotate through a variety of clinical settings including emergency departments, operating rooms, respiratory therapy, progressive care, and critical care units. The student will have an emphasis on skills including patient assessment, airway management, endotracheal intubation, medication administration, and intravenous cannulation. This class also requires a community service component of 15 contact hours for completion of the paramedic program. Prerequisite: EMTL 2750

**EMTL 2780 Field Practicum I****2.0 credit hours**

80.0 Classroom Hours = 80.0 Lab Hours

Students will focus on the practical application of emergency care in an EMS field setting including scene management, patient assessment, treatment, and communications under the direct supervision of a field preceptor. The practicum's emphasis is implementation of paramedic skills and the role of a team leader as an integral portion in the final evaluation process for completion of the paramedic program. Prerequisite: EMTL 2750

**EMTL 2790 Field Practicum II****3.0 credit hours**

120.0 Classroom Hours = 120.0 Lab Hours

Students will focus on the practical application of emergency care in an EMS field setting including scene management, patient assessment, treatment, and communications under the direct supervision of a field preceptor. The practicum's emphasis is implementation of paramedic skills and the role of a team leader as an integral portion in the final evaluation process for completion of the paramedic program. Must successfully complete EMTL 2780 prior to taking this course.

**EMTL 2990 Special Topics:****3.0 credit hours**

45.0 Classroom Hours = 45.0 Lecture Hours

Special topic course description upon request.