

EMERGENCY MEDICAL SERVICES (EMS)

EMS 101 # - CPR and First Aid

Units: 1

This course is a video-based instructional module in CPR and First Aid. It includes peer practice, manikin practice, and case discussions. This course may be conducted to train students in the academic setting or to provide emergency training in the workplace.

Transferability: May not transfer towards an NSHE bachelor's degree

EMS 108 # - Emergency Medical Technician Training

Units: 6

The primary focus of the Emergency Medical Technician is to provide basic emergency medical care and transportation for critical and emergent patients who access the emergency medical system. This individual possesses the basic knowledge and skills necessary to provide patient care and transport. Emergency Medical Technicians function as part of a comprehensive EMS response, under medical oversight. At the successful completion of this course, the student will be eligible to receive EMT Certification from the National Registry of EMT's and the State of Nevada Health Division. Students must be 18 years old upon completion of this class. * This course satisfies 23 hours of instruction toward completing the embedded Human Relations curriculum requirements, in accordance with Embedded Curriculum Guidelines Option A.

Transferability: May not transfer towards an NSHE bachelor's degree

Enrollment Requirements: Prerequisite: Current American Heart Association Healthcare Provider CPR card.

EMS 109 # - Emergency Medical Service Refresher

Units: 2

The Emergency Medical Technician refresher course is offered for individuals who wish to recertify their EMT-Basic or Intermediate certification as well as renewing their CPR certification. This course will recertify EMT-Basic and Intermediate certificates for a two year period.

Transferability: May not transfer towards an NSHE bachelor's degree

Enrollment Requirements: Prerequisite: Current EMT Basic or Intermediate Certification.

EMS 110 # - Emergency Medical Tech Instructor Training

Units: 3

This course trains instructors to teach the Department of Transportation Basic Training Program for Emergency Medical Technician-Ambulance.

The course emphasis is on the development of teaching skills as opposed to emergency care skills. Course includes the following: 1) components of teaching-learning process; 2) methods of teaching (teaching theory and teaching skills); 3) preparation and use of a variety of media and materials; and 4) purposes and methods of evaluation.

Transferability: May not transfer towards an NSHE bachelor's degree

Enrollment Requirements: Prerequisite: EMT I Basic certification and department approval.

EMS 113 # - EMS First Responder

Units: 4

This course emphasizes development of student skills in patient assessment and emergency medical care procedures including life threatening emergencies, injuries to various body parts, emergency childbirth, techniques of moving patient, etc.

Transferability: May not transfer towards an NSHE bachelor's degree

EMS 114 # - First Responder Refresher

Units: 1

This 16-hour course is designed to review and update knowledge and skills in the First Responder (EMS 113) course for those persons who have been certified as First Responders.

Transferability: May not transfer towards an NSHE bachelor's degree

EMS 115 # - Advanced Emergency Medical Technician

Units: 7

The primary focus of the Advanced Emergency Medical Technician is to provide basic and limited advanced emergency medical care and transportation for critical and emergent patients who access the emergency medical system. This individual possesses the basic knowledge and skills necessary to provide patient care and transportation. Advanced Emergency Medical Technicians function as part of a comprehensive EMS response, under medical oversight. Advanced Emergency Medical Technicians perform interventions with the basic and advanced equipment typically found on an ambulance. The Advanced Emergency Medical Technician is a link from the scene to the emergency health care system. Successful completion of this course allows the candidate to sit for the National Registry of EMT's and State of Nevada's certification exam. This course satisfies 23 hours of instruction toward completing the embedded Human Relations curriculum requirements, in accordance with Embedded Curriculum Guidelines Option A.

Transferability: May not transfer towards an NSHE bachelor's degree

Enrollment Requirements: Prerequisite: Current Nevada EMT certification and American Heart Association Healthcare Provider CPR certification.

EMS 198 # - Special Topics in EMS

Units: 0.5-6

Various short courses and experimental classes covering a variety of subjects. The course will be a variable credit of one-half to six credits depending on the course content and number of hours required. The course may be repeated for up to six credits.

Transferability: May not transfer towards an NSHE bachelor's degree

EMS 200 # - Fundamentals of Paramedic Medicine

Units: 3

Information will be provided that defines the roles and responsibilities of the paramedic and the importance of scene safety and wellness when practicing in the field. The course also provides information on injury prevention and the use of protective equipment needed to protect the paramedic in the field. It will provide the student with an understanding of the medical-legal and ethical issues which will impact them in their career. At the completion of this course, the EMT-Basic skills will be assessed and reviewed. * This course satisfies 10 contact hours of Human Relations general education requirements.

Transferability: May not transfer towards an NSHE bachelor's degree

Enrollment Requirements: Prerequisite: EMT or EMT Advanced and acceptance into the Paramedic Program.

EMS 201 # - Intro to Paramedic Fundamentals

Units: 6

The Introduction to Paramedic Fundamentals course is designed to measure and ensure the basic knowledge base of Paramedic students in the areas of basic EMS knowledge, medical math, medical terminology, and anatomy and physiology for the Paramedic. *This course satisfies 10 hours of Human Relations general education requirement.

Transferability: May not transfer towards an NSHE bachelor's degree

Enrollment Requirements: Prerequisite: Acceptance to TMCC Paramedic Program.

EMS 202 # - Advanced Cardiology for Paramedics

Units: 3

This course prepares the Paramedic student to recognize and treat cardiac dysrhythmias specific to S-T Elevation Myocardial Infarction (STEMI) per current American Heart Association guidelines and protocols utilizing 12-Lead Electrocardiography and pharmacological treatments.

Transferability: May not transfer towards an NSHE bachelor's degree

Enrollment Requirements: Prerequisite: Acceptance to TMCC Paramedic Program.

Term Offered: Spring and Fall

EMS 203 # - Assessment Based Management I**Units: 3**

This course will assist the Paramedic student to become familiar with nationally recognized testing. Computer adaptive testing will be utilized to simulate the nationally recognized testing environment.

Transferability: May not transfer towards an NSHE bachelor's degree

Enrollment Requirements: Prerequisite: Acceptance to TMCC Paramedic Program.

Term Offered: Spring and Fall

EMS 205 # - Principles of Pathophysiology**Units: 3**

This course prepares the student to understand basic medical terminology, microscopic and gross anatomy and physiology.

Transferability: May not transfer towards an NSHE bachelor's degree

Enrollment Requirements: Prerequisite: EMT or EMT Advanced and acceptance into the Paramedic Program.

EMS 206 # - Prin Pharmacology/Medication Admin/Venous Access**Units: 3**

This course prepares the student to understand and be able to integrate the principles of pathophysiological pharmacology and the assessment findings to formulate a field impression and implement a pharmacologic management plan for patients in the prehospital environment. The course also introduces the paramedic student to venous access, IV therapy, medication administration and drug calculations that will be used in treating patients in the prehospital environment.

Transferability: May not transfer towards an NSHE bachelor's degree

Enrollment Requirements: Prerequisite: EMT or EMT Advanced and acceptance into the Paramedic Program.

EMS 207 # - Airway Management and Ventilation for Paramedics**Units: 3**

Integrates complex 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 respiration for patients of all ages.

Transferability: May not transfer towards an NSHE bachelor's degree

Enrollment Requirements: Prerequisite: EMT or EMT Advanced and acceptance into the Paramedic Program.

EMS 209 # - Patient Assessment for Paramedics**Units: 3**

This course introduces the Paramedic student to a comprehensive physical examination and assessment, which includes history taking, clinical decision making, communications, and documentation. * This course satisfies 5 hours of Human Relations general education requirement.

Transferability: May not transfer towards an NSHE bachelor's degree

Enrollment Requirements: Prerequisite: EMT or EMT Advanced and acceptance into the Paramedic Program.

EMS 210 # - Principles of Cardiology for the Paramedic**Units: 3**

This course prepares the Paramedic student to identify single and multi-lead cardiac rhythms and treat those rhythms considered to be life-threatening with electrical therapy. The skills taught include defibrillation, cardioversion, and cardiac rhythm interpretation. It will also prepare the student to assess, manage and treat various cardiovascular emergencies that includes ventricular fibrillation, bradycardia, tachycardia, myocardial infarction, cardiogenic shock, pulmonary edema, angina pectoris, congestive heart failure, hypertension, PEA (pulseless electrical activity), and asystole.

Transferability: May not transfer towards an NSHE bachelor's degree

Enrollment Requirements: Prerequisite: EMT or EMT Advanced and acceptance into the Paramedic Program.

EMS 211 # - Paramedic Care for Medical Emergencies and ACLS**Units: 4**

This course will prepare the Paramedic student to identify, assess, manage, and treat various medical emergencies and communicable diseases. Advanced Cardiac life Support is required for healthcare providers who either direct or participate in the resuscitation of a patient, in the prehospital or hospital setting. * This course satisfies 10 hours of Human Relations general education requirement.

Transferability: May not transfer towards an NSHE bachelor's degree

Enrollment Requirements: Prerequisite: EMT or EMT Advanced and acceptance into the Paramedic Program.

EMS 212 # - Paramedic Trauma Emergencies and ITLS**Units: 3**

This course will prepare the paramedic student to identify, assess, manage, and treat various types of trauma emergencies. The ITLS course will teach paramedic students the skills necessary to recognize mechanisms of injury, assess, perform critical interventions, package for transport, and fundamental knowledge and experiences necessary to deliver the trauma patient to the emergency department. * This course satisfies 10 hours of Human Relations general education requirement.

Transferability: May not transfer towards an NSHE bachelor's degree

Enrollment Requirements: Prerequisite: EMT or EMT Advanced and acceptance into the Paramedic Program.

EMS 214 # - Pediatrics & Special Consideration for Para/Pals**Units: 3**

This course prepares the Paramedic to identify, assess, manage, and treat age related emergencies, and other special challenges. The student will also be introduced to the concept of assessment based management. Topics include Neonatology, Pediatrics, Geriatrics, Abuse and Assault, and Patients with Special Challenges. *

Transferability: May not transfer towards an NSHE bachelor's degree

Enrollment Requirements: Prerequisite: EMT or EMT Advanced and acceptance into the Paramedic Program.

EMS 215 # - Assess Based Management/Operation for Paramedic I**Units: 3**

This course addresses the principles of Assessment Based Management that will teach the paramedic student how to implement a plan for patients with common complaints. The course will also prepare the Paramedic for the concepts of medical incident command, ambulance and rescue operations, hazardous materials incidents, and crime scene awareness. *

Transferability: May not transfer towards an NSHE bachelor's degree

Enrollment Requirements: Prerequisite: EMT or EMT Advanced and acceptance into the Paramedic Program.

EMS 216 # - Hospital Clinical Experience for the Paramedic**Units: 4**

This course allows the paramedic student to apply learned classroom skills and knowledge in the hospital environment such as telemetry, intensive care unit, psychiatric unit, emergency department, and labor and delivery. The student will function under the direction of a nurse or paramedic preceptor.

Transferability: May not transfer towards an NSHE bachelor's degree

Enrollment Requirements: Prerequisite: Completion of TMCC Paramedic Program didactic courses EMS 200 through EMS 215.

EMS 217 # - Field Internship for the Paramedic**Units: 4**

This course is designed to introduce the Paramedic student to the advanced life support prehospital operations. The student will also become familiar with procedures and care provided by paramedics in the field, and will be a third person on a paramedic rescue unit and will work directly with his or her paramedic preceptor. *

Transferability: May not transfer towards an NSHE bachelor's degree

Enrollment Requirements: Prerequisite: Completion of the Didactic and Clinical portion of the Paramedic Program, EMS 216.