

# EMERGENCY MEDICAL SERVICES

## EMERGENCY MEDICAL SERVICES

- EMS 108 EMT 7 Credits**  
Designed for individuals who anticipate working with an ambulance service, fire department, police department, mining industry or other occupational fields where medical emergencies are common. Upon successful completion of the course, the student will be eligible to take the National Registry of Emergency Medical Technicians (NREMT) examination. Prerequisite: The student is required to have a current Drivers license and proof of health insurance. Healthcare provider CPR, up to date immunizations, background check, and a drug screen are required to be eligible to attend the required clinical rotations for certification. Prerequisite:
- EMS 118 Adv Emergency Medical Tech 8 Credits**  
This course is designed to instruct students to the level of Advanced Emergency Medical Technician (AEMT) based upon the new National EMS Education Standards. These AEMTs will provide both basic and limited advanced emergency medical care and transportation for critical and emergent patients who access the emergency medical system (EMS). AEMTs function as part of the comprehensive EMS response, under medical oversight. AEMTs perform interventions with the basic and advanced equipment typically found on the ambulance. The AEMT is a vital link in the pre-hospital care system. Prerequisite: The student is required to show proof of a current Nevada EMT certification, Healthcare Provider CPR card, proof of health insurance. Proof of current immunizations or immunities, background check, and drug screen are required for clinical rotations for certification. Prerequisite:
- EMS 198 Special Topics in EMS .5-3 Credits**  
Selected emergency medical technician topics offered for general interest. No prerequisites. Unlimited repeatability. Prerequisite:
- EMS 200 Fund Paramedic Medicine 3 Credits**  
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. Prerequisite: EMT or AEMT and acceptance into the Paramedic Program.
- EMS 204 Princ Anatomy/Pathophysiology 4 Credits**  
This course prepares the student to understand basic medical terminology, microscopic and gross anatomy and physiology. The course is designed to go beyond what is covered in the anatomy and physiology review of each section in the national standard curriculum. This course will be offered for 4 credits (3 credits of Lecture and 1 credit of Skills Lab). Prerequisite: Must have been accepted into the Paramedic Program.
- EMS 206 Prin Pharm/Medication/Venous 3-4 Credits**  
This course prepares the student to understand and to 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. This course will be offered for 4 credits (3 credits of Lecture and 1 credit Lab). Prerequisite: Must have been accepted into the Paramedic Program.
- EMS 207 Airway Mgt/Vent Paramedic 2 Credits**  
Students successfully completing this course will demonstrate a behavioral, cognitive, and psychomotor understanding of, and proficiency with, basic and advanced airway management. This course will be offered for 2.0 credits (1 credit theory/1 credit lab). Prerequisite: Must be admitted into the paramedic program.
- EMS 209 Patient Assess Paramedics 2-3 Credits**  
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 will be offered for 2.0 credits (1 credit theory / 1 credit lab). Prerequisite: Must be admitted into the paramedic program.
- EMS 210 Principle Cardlgy Paramdic 3 Credits**  
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 include ventricular fibrillation, bradycardia, tachycardia, myocardial infarction, cardiogenic shock, pulmonary edema, angina pectoris, congestive heart failure, hypertension, PEA (pulseless electrical activity), and asystole. This course will be offered for 3 credits (2 theory / 1 lab). Prerequisite: Must be admitted into the paramedic program.
- EMS 211 Parmdc Care Md Emerg 3-4 Credits**  
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. Prerequisite: Must be admitted into the paramedic program.
- EMS 212 Para Trauma Emg/Intl Life 3 Credits**  
This course prepares the student to identify, assess, manage, and treat various types of trauma emergencies. Topics include Trauma Systems; Mechanism of Injury; Soft-Tissue Trauma; Burns, Head and Face Trauma; Spinal Trauma; Thoracic Trauma; Abdominal Trauma; and Musculoskeletal Trauma. Skills include trauma assessment, splinting, bandaging, spinal immobilization, IV therapy, chest decompression, and associated pharmacological interventions. Prerequisite: Must be admitted into the paramedic program.
- EMS 214 Pediatrics/Spcl Consider 3 Credits**  
This course prepares 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. Prerequisite: Must be admitted into the paramedic program.

**EMS 215 Assess Bsd Mgt/Op Paramed**

**3 Credits**

This course will contain 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 to the concepts of medical incident command, ambulance and rescue operations, hazardous materials, incident, and crime scene awareness. Prerequisite: Must have completed EMS 210 and EMS 211.

**EMS 216 Hosp/Clinic Exp Paramedic**

**4-6 Credits**

This course allows the paramedic student to apply learned classroom skills and knowledge in the hospital and other clinical care environments. The student will function under the direction of a paramedic, nurse, or physician preceptor. This course will be offered for 6 credits (90 hours per credit = 270 clinical hours). Prerequisite: Must be admitted into the paramedic program.

**EMS 219 Paramedic Field Intrnship**

**8 Credits**

This course is designed to introduce the paramedic student to Advanced Life Support (ALS) prehospital operations. The student will also become familiar with procedures and care provided by paramedics in the field. Each student will be a third person on a paramedic rescue unit and will work directly with a paramedic preceptor. Prerequisite: Must be admitted into the paramedic program.

**EMS 220 Paramedic Refresher**

**3 Credits**

This course is the required 48 hour refresher that allows paramedics (NRP) to maintain their national registry certification. Unlimited repeatability. Prerequisite:

**EMS 300 Community Paramedic**

**4 Credits**

This course prepares EMTs, AEMTs, and Paramedics for the expanded role of the community paramedic within mobile integrated healthcare systems. Focus areas include chronic disease management, preventive and post-acute care, patient navigation, community resource coordination, and interdisciplinary collaboration. Students will learn to support high-risk and underserved populations, reduce unnecessary transports and hospital admissions, and provide patient-centered care in the home and community. The course includes lab hours and clinical hours and prepares students for Nevada Community Paramedic certification and the IBSC CP-C exam. Transferability: May not transfer toward an NSHE bachelor's degree. Prerequisite:

**EMS 310 IAPC for the EMS provider**

**3 Credits**

This course provides an integrated, evidence-based approach to advanced patient care for experienced EMS providers. Content includes advanced assessment and management principles drawn from AMLS, GEMS, PTEP, EPC, and neonatal resuscitation, with emphasis on complex medical, behavioral, pediatric, and neonatal emergencies. Students will strengthen clinical decision-making, communication, and teamwork skills through case-based learning and simulation. This course supports preparation for AMLS, GEMS, PTEP, and EPC certification exams and contributes toward the Community and Critical Care Paramedic Skills Certificate. Prerequisite: Current EMT, AEMT, Paramedic, or RN certification, or instructor approval. Transferability: May not transfer toward an NSHE bachelor's degree. Prerequisite:

**EMS 320 Critical Care Paramedic**

**4 Credits**

This course prepares advanced paramedics to deliver evidence-based critical care to patients requiring inter-facility transport or advanced out-of-hospital management. Topics include advanced physiology, mechanical ventilation, anesthesia and sedation, pharmacology, hemodynamic monitoring, and the management of critically ill or injured patients across all populations. Emphasis is placed on safe transport practices, crew resource management, risk mitigation, and the application of clinical reasoning in high-acuity scenarios. The course includes Lab skills and clinical experience to prepare the student to take the CCP-C Exam for critical care paramedic certification Transferability: May not transfer towards an NSHE bachelor's degree. Prerequisite: