UTAH SYSTEM OF HIGHER EDUCATION

Utah System of Higher Education
Advanced Emergency Medical Technician
FY2027 / 6 Credits (180 Clock-Hours)

Foundational Courses

TEEM 1202 Advanced Emergency Medical Technician **6 Credits / 180 Clock-Hours**

Advanced Emergency Medical Technicians provide basic and limited advanced emergency medical care and transportation for critical and emergent patients who access the emergency medical system (EMS). Advanced Emergency Medical Technicians (AEMTs) possess 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.

Objectives:
• Demonstrate comprehensive knowledge of EMS and perform in accordance with operational roles, prioritizing safety and addressing legal and ethical considerations when providing emergency care.
• Integrate and apply comprehensive knowledge of airway, respiratory, and circulatory anatomy and physiology into EMS practice to assess and manage patients, ensuring optimal airway, mechanical ventilation, and respiration across all age groups.
• Utilize scene information and interpret patient assessment findings to guide and provide emergency care and transportation for patients with acute injuries, illnesses, shock, respiratory or cardiac failure/arrest, and post-resuscitation management.
• Utilize medical terminology for effective communication with healthcare professionals.
• Apply foundational EMS principles and knowledge of lifespan development to assess, manage, and provide emergency care and transportation during health emergencies and for patients with special needs.
• Demonstrate expertise in administering AEMT-carried medications in emergency scenarios.

Supplemental Courses Varies by Institution

Davis

TEEM 1300 Advanced Cardiac and Pediatric Life Support **1 Credit / 30 Clock-Hours**

This course is designed to equip Advanced Emergency Medical Technician (AEMT) students with the knowledge and skills necessary to successfully pass the American Heart Association Advanced Cardiovascular Life Support (ACLS) and Pediatric Advanced Life Support (PALS) certification exams. Students will learn to recognize and manage cardiac and respiratory emergencies in adult and pediatric patients through lectures, hands-on practice, and simulation exercises. Emphasis will be placed on advanced airway management, pharmacology, and applying evidence-based protocols to improve patient outcomes.

Objectives:
• Analyze patient symptoms and medical history to identify potential cardiac and respiratory emergencies.
• Demonstrate proficiency in advanced airway management techniques, including endotracheal intubation and the use of supraglottic airway devices.
• Apply ACLS and PALS algorithms to effectively manage cardiac arrest, bradycardia, tachycardia, and other life-threatening conditions.
• Evaluate the effectiveness of resuscitation efforts and make necessary adjustments to treatment plans based on patient response and clinical guidelines.
• Integrate pharmacological interventions into managing cardiac and respiratory emergencies, ensuring appropriate medication selection and administration.

Dixie

TEEM 1905 AEMT Clinical Practice **1 Credit / 45 Clock-Hours**

This clinical course bridges the gap between theory and practice, providing AEMT students with direct experience in advanced patient management. Students will apply high-level skills in real-world emergency settings, mastering advanced airway techniques, cardiac and trauma care, and specialized medical, pediatric, and obstetric intervention.

Objectives:
• Perform comprehensive primary and secondary assessments across all age groups (pediatric to geriatric) to develop and implement effective field diagnoses and treatment plans.
• Perform peripheral IV and IO access as well as blood draws, and accurately administer medications via IV, IM, and subcutaneous routes.
• Manage patient airways using supraglottic devices, continuous positive airway pressure (CPAP), and monitor ventilation status via capnography.
• Communicate clearly and professionally as part of a healthcare team and provide all required documentation to required specifications.

Southwest

TEEM 1904 AEMT Clinical Practice **1 Credit / 48 Clock-Hours**

This clinical course provides Advanced Emergency Medical Technician (AEMT) students with essential hands-on experience in advanced patient management and emergency care. Through practical application in clinical settings, students will master advanced airway management, cardiac care, trauma response, medical emergencies, and specialized obstetric and pediatric care, ensuring preparedness for complex pre-hospital scenarios.

Objectives:
• Conduct comprehensive patient assessments using advanced clinical reasoning to evaluate and manage diverse medical and trauma situations.
• Demonstrate proficiency in advanced airway and respiratory management, including supraglottic airway insertion, ventilation techniques, and oxygen therapy across various patient populations.
• Perform medication administration, cardiac interventions, trauma management techniques, and patient transport procedures for critically ill or injured patients in pre-hospital settings.

Tooele

TEEM 1904 AEMT Clinical Practice **1 Credit / 48 Clock-Hours**

This clinical course provides Advanced Emergency Medical Technician (AEMT) students with essential hands-on experience in advanced patient management and emergency care. Through practical application in clinical settings, students will master advanced airway management, cardiac care, trauma response, medical emergencies, and specialized obstetric and pediatric care, ensuring preparedness for complex pre-hospital scenarios.

Objectives:
• Conduct comprehensive patient assessments using advanced clinical reasoning to evaluate and manage diverse medical and trauma situations.
• Demonstrate proficiency in advanced airway and respiratory management, including supraglottic airway insertion, ventilation techniques, and oxygen therapy across various patient populations.
• Perform medication administration, cardiac interventions, trauma management techniques, and patient transport procedures for critically ill or injured patients in pre-hospital settings.