

Emergency Medical Technology | One-Year Program Scope & Sequence

Year 1, Semester 1

EM101 Emergency Medical Services I
(38 Days)

Unit 1 (20 Days)

College and Career Readiness (ESP 180)

- Demonstrate professional skills by learning and working in a diverse academic environment
- Demonstrate effective time management strategies to meet course deadlines
- Apply effective study habits for academic success in the classroom.
- Apply effective memory strategies in preparation for taking an exam.
- Identify educational pathways for Emergency Medical Technicians
- Gain an understanding of funding options available for post-secondary settings
- Create a resume and cover letter for an entry level Emergency Medical Technician position

Professional Skills: 1.A-D, 2.A-C, 4.A-F, 8.A-I
Academic Standards: AZ.ELA.11-12.W.2 & W4,
AZ.ELA.11-12.SL.4, AZ.ELA.11-12.L.4, AZ.ELA.11-12.RI.10:
AZ.MA.5.NF.B.7, AZ.MA.6.RP.A.3, G-GMD.A.3
Work-based Learning : Simulated Lab Experience: CPR
Technical Standard: NA

Unit 2 (3 Days)

Course Overview and CPR:

EMC 101: CPR Basic Cardiac Life Support Professional Skills:
1.A-D, 2.A-C, 4.A-F, 8.A-I
Academic Standards: AZ.ELA.11-12.W.2 & W4,
AZ.ELA.11-12.SL.4, AZ.ELA.11-12.L.4, AZ.ELA.11-12.RI.10:
AZ.MA.5.NF.B.7, AZ.MA.6.RP.A.3, G-GMD.A.3
Work-based Learning : Simulated Lab Experience: CPR
Technical Standard: 1.6

- Cardiopulmonary Resuscitation (CPR)
- Identify signs and symptoms of heart attack, cardiac arrest, with emphasis on early action to activate the emergency medical services (EMS) system.
- Perform one and two rescuer adult CPR.
- Manage a conscious and unconscious adult airway obstruction.
- Perform one rescuer and two rescuer infant and pediatric CPR.
- Manage a conscious and unconscious infant and pediatric airway obstruction.
- Deliver effective oxygenation and ventilation using a bag- valve-mask device.
- Perform automatic, external defibrillation as part of the resuscitation of the adult in cardiac arrest.
- Successfully completed the American Heart

Association healthcare provider basic life support skills evaluation and written examination.

Certification: American Heart Association CPR Certification Exam

Professional Skills: 1.A-D, 2.A-C, 4.A-F, 8.A-I
Academic Standards: AZ.ELA.11-12.W.2 & W4,
AZ.ELA.11-12.SL.4, AZ.ELA.11-12.L.4, AZ.ELA.11-12.RI.10:
AZ.MA.5.NF.B.7, AZ.MA.6.RP.A.3, G-GMD.A.3
Work-based Learning : Simulated Lab Experience: CPR
Technical Standard: 1.6

Certification: American Heart Association CPR Certification Exam

Unit 3 (15 Days)

Emergency Medical Responder:

EMC 102: Emergency Medical Technology: Emergency Medical Responder

- Define the components of the Emergency Medical Systems.
- Define and describe the role and responsibility of the First Responder.
- Relate First Responder care to the standard of care, the Good Samaritan laws, and the Privacy Act.
- Define, differentiate among, and explain types of consent.
- Define consent and discuss the methods of obtaining consent.
- Differentiate between expressed and implied consent.
- Explain the role of consent of minors in providing care.
- Discuss the implications for the EMT-Basic in patient refusal of transport.
- Discuss the issues of abandonment, negligence, and battery and their implications to the EMT-Basic.
- State the conditions necessary for the EMT-Basic to have a duty to act.
- Explain the importance, necessity and legality of patient confidentiality.
- Differentiate the actions that an EMT-Basic should take to assist in the preservation of a crime scene.
- State the conditions that require an EMT-Basic to notify local law enforcement officials
- List and safely use medical equipment, basic tools, and supplies used by the First Responder.
- List the ways in which an infectious agent can be transmitted.
- Identify and perform basic procedures for body substance isolation.
- Identify and describe the structures of the human body.

- Perform the steps taken in gathering information and documentation.
- Perform a physical assessment.
- Perform cardiopulmonary resuscitation.
- Explain the rationale for patient care documentation.
- Explain the rationale for the EMS system gathering data.
- Explain the rationale for using medical terminology correctly.
- Identify the major functions of blood and the vascular system.
- Define limitations and actions at a suspected hazardous materials incident.
- Demonstrate proper care for victims trapped in vehicles.
- Demonstrate how to evaluate and provide safety for self, team members, and victims at an accident site.
- Demonstrate how to safely access victims trapped in vehicles.

Professional Skills: 1.A-D, 2.A-C, 4.A-F, 8.A-I

Academic Standards: AZ.ELA.11-12.W.2 & W4, AZ.ELA.11-12.SL.4, AZ.ELA.11-12.L.4, AZ.ELA.11-12.RI.10: AZ.MA.5.NF.B.7, AZ.MA.6.RP.A.3, G-GMD.A.3

Technical Standard: 1.1-6, 2.1-9, 3.1-10, 4.1-5, 5.1-14, 6.1-9, 7.1-13, 8.1-8.11, 12.1-8

Certification: Federal Emergency Management Agency National Incident Management System (NIMS) 100 & 200, 700

Year 1, Semester 2

EM102 - Emergency Medical Services II
(41 Days)

Unit 4 (41 Days)

Basic Emergency Medical Technology

EMC 104: Emergency Medical Technology: Basic Emergency Medical Technology

- Define the components of the Emergency Medical Systems.
- Define and describe the role and responsibility of the First Responder.
- Relate First Responder care to the standard of care, the Good Samaritan laws, and the Privacy Act.
- Define, differentiate among, and explain types of consent.
- List and safely use medical equipment, basic tools, and supplies used by the First Responder.
- List the ways in which an infectious agent can be transmitted.
- Identify and perform basic procedures for body substance isolation.
- Identify and describe the structures of the human body.

- Perform the steps taken in gathering information and documentation.
- Perform a physical assessment.
- Perform cardiopulmonary resuscitation.
- Identify the major functions of blood and the vascular system.
- Identify and control external bleeding.
- Describe the signs and symptoms of shock.
- Define open and closed wounds, fractures, dislocations, sprains, and strains.
- Perform the steps in the care of open and closed wounds, fractures, and dislocations.
- Correctly immobilize an extremity with soft and rigid splints.
- Identify the steps in assessment for head and spinal injuries.
- Identify the steps in caring for facial, throat, and chest injuries.
- Demonstrate proper care for patients suffering syncope, seizures, and unconsciousness.
- Demonstrate proper care for patients in diabetic coma.
- Demonstrate proper care for a patient suffering poisoning by injection or ingestion.
- Demonstrate proper care for a patient suffering alleged drug and alcohol overdose.
- Demonstrate proper care for patients suffering congestive heart failure, stroke, respiratory distress, and acute abdominal distress.
- Demonstrate proper care for patients with impending childbirth.
- Demonstrate proper care of the newborn.
- Identify and treat injuries and illnesses in pediatric patients.
- Identify and treat injuries and illnesses in geriatric patients.
- Demonstrate proper care for burn injured patients.
- Demonstrate proper care for cold injured patients.
- Demonstrate proper care for drowning victims. (XIII)
- Define limitations and actions at a suspected hazardous materials incident.
- Demonstrate proper care for victims trapped in vehicles.
- Demonstrate how to evaluate and provide safety for self, team members, and victims at an accident site.
- Demonstrate how to safely access victims trapped in vehicles.

Professional Skills: 1.A-D, 2.A-C, 4.A-F, 8.A-I

Academic Standards: AZ.ELA.11-12.W.2 & W4, AZ.ELA.11-12.SL.4, AZ.ELA.11-12.L.4, AZ.ELA.11-12.RI.10: AZ.MA.5.NF.B.7, AZ.MA.6.RP.A.3, G-GMD.A.3

Technical Standard: 8.1-14, 9.1-9.8, 10.1-8, 11.1-5

EMR Final Exam

**Certifications: FEMA NIMS 800, National Registry of
Emergency Medical Technicians (NREMT)**

Final Written Exam

ADE Technical Skills Assessment