

# Emergency Medical Technology | Scope & Sequence

## Year 1, Semester 1

EM101 Emergency Medical Services I  
(38 Days)

### Unit 1 (4 Days)

#### Course Overview and CPR:

- Cardiopulmonary Resuscitation (CPR)

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 2 (4 Days)

#### Emergency Medical Services Basic:

- Introduction to EMS and the Health Care System
- The Well-being of the EMT
- Universal Precautions
- Medical, Legal and Ethical Issues
- Medical Decision Making

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

### Unit 3 (5 Days)

#### Operations:

- EMS Operations
- Lifting and Moving Patients
- Scene Size-Up
- Hazardous Materials, Multiple Casualty Incidents and Incident Management
- Highway Safety and Vehicle Extraction
- EMS Response to Terrorism

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, 6.1-9, 12.1-8

**Certification: Federal Emergency Management Agency National Incident Management System (NIMS) 100**

### Unit 4 (10 Days)

#### EMS Foundations:

- Medical Terminology
- Firefighter Preparedness and Incident Command System
- Pharmacology
- Vital Signs and Monitoring
- Pathophysiology

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

Technical Standard: 1.1-6, 2.1-9 4.1-5, 5.1-14

### Unit 5 (4 Days)

#### Airway Management:

- Airway Management
- Respiration & Artificial Ventilation

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

Technical Standard: 1.1-6, 2.1-9, 7.1-13

**Certification: FEMA NIMS 200**

### Unit 6 (6 Days)

#### Patient Assessment and Respiratory:

- The Primary Assessment
- Secondary Assessment
- Respiratory Emergencies

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, 7.1-13

**Certification: FEMA NIMS 700**

### Unit 7 (5 Days)

#### Cardiac Emergencies and AMS:

- Cardiac Emergencies
- Congestive Heart Failure
- Defibrillation
- Bradycardia | SVT Tachycardia
- Syncope
- Diabetic and Altered Mental Status

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: 8.1-8.11

## Year 1, Semester 2

EM102 - Emergency Medical Services II  
(26 Days)

### Unit 8 (12 Days)

#### Trauma Emergencies:

- Trauma Assessment
- Chest and Abdominal Trauma
- Trauma to the Head, Neck and Spine
- Multi-System Trauma
- Trauma Skill Labs
- Extrication |MCI
- Bleeding and Shock
- Soft Tissue
- Responder Health and Safety
- 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: 9.1-9.8

**Certification: FEMA NIMS 800  
EMR Final Exam**

### Unit 9 (1 Day)

#### Emergency Patient Management:

- Emergency Patient Management Simulations
- Professional Skills: 1.A-D, 3.A-E, 5.A-E
- 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

### Unit 10 (8 Days)

#### Medical Emergencies:

- Allergic Reaction
- Poisoning and Overdose
- Environmental
- Psychiatric and Behavioral Emergencies
- Restraints Lab
- Hematologic and Renal Emergencies
- Abdominal Emergencies
- OB |GYN Emergencies
- Professional Skills: 7.A-C
- 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, 10.1-8

### Unit 11 (1 day)

#### Emergency Patient Management:

- Emergency Patient Management Simulations
- Professional Skills: 1.A-D, 3.A-E, 5.A-E
- 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

### Unit 12 (3 Days)

#### Special Populations:

- Obstetric & Gynecologic Emergencies
- Pediatric Emergencies
- Geriatric Emergencies
- Patients with Special Challenges
- Professional Skills: 6.A-C
- 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: 10.1-8, 11.1-5

EM101B Advanced Applications of EMT  
(26 Days)

### Unit 13 (1 Day)

#### Emergency Patient Management:

- Emergency Patient Management Simulations
- National Registry Testing Skills Exam
- Professional Skills: 1.A-D, 3.A-E, 5.A-E
- 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

**Certifications: National Registry of Emergency Medical  
Technicians (NREMT)  
Final Written Exam  
ADE Technical Skills Assessment**