

**National Continued Competency Requirements: Topics and Content**

**EMERGENCY MEDICAL RESPONDER (8 Hours)**

**Airway, Respiration and Ventilation**

|                      |   |
|----------------------|---|
| Ventilation (1 hour) | 2 |
| Oxygenation (1 hour) |   |

**Cardiovascular**

|                                    |   |
|------------------------------------|---|
| Stroke (1 hour)                    | 2 |
| Cardiac Arrest (0.5 hour)          |   |
| Post Resuscitation Care (0.5 hour) |   |

**Trauma**

|  |   |
|--|---|
| Central Nervous System Injury (0.5 hour) | 1 |
| Tourniquets (0.5 hour)                   |   |

**Medical**

|                                     |   |
|-------------------------------------|---|
| Immunological Diseases (1 hour)     | 3 |
| Communicable Diseases (0.5 hour)    |   |
| Psychiatric Emergencies (1.5 hours) |   |

**EMERGENCY MEDICAL TECHNICIAN (20 Hours)**

**Airway, Respiration and Ventilation**

|   |   |
|---|---|
| Ventilation (3 Hours)   | 4 |
| <i>Minute Ventilation, Effect on Cardiac Return, Assisted Ventilation (Assessment, Adjuncts, Positioning - adult and pediatric, Suctioning)</i> |   |
| Oxygenation (1 Hour)  |   |

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### Cardiovascular

|  |          |
|--|----------|
| <b>Post-Resuscitative Care (0.5 hour)</b><br><i>Recognition of ROSC, Induced Hypothermia</i>   | <b>6</b> |
| <b>Stroke (1 hour)</b><br><i>Stroke Scale, Oxygen Administration, Time of Onset, Transport Destination</i>   |          |
| <b>Cardiac Arrest (0.5 hour)</b><br><i>VAD, Termination Decisions</i>  |          |
| <b>Cardiac Rate Disturbance (Pediatric) (1 hour)</b><br><i>Tachycardia, Bradycardia, Irregular Pulse</i>   |          |
| <b>Pediatric Cardiac Arrest (2 Hours)</b><br><i>Two-Thumb Encircling Technique<br/>                     Ventilation/Compression Ratios (1 &amp; 2 Operator, AED)</i> |          |
| <b>Chest Pain for Cardiovascular Cause - Adult (1 Hour)</b><br><br><i>Administration of Nitroglycerin, ASA, Oxygen; Transport Destination</i>                        |          |

### Trauma

|   |          |
|---|----------|
| <b>Central Nervous System Injury (0.5 hour)</b><br><i>Sports Injuries, Concussion</i> | <b>2</b> |
| <b>Tourniquets (0.5 Hour)</b>   |          |
| <b>Field Triage (1 Hour)</b><br><i>CDC Trauma Triage, MCI (MUCC/SALT)</i>             |          |

### Medical

|  |          |
|--|----------|
| <b>Special Healthcare Needs (1 Hour)</b><br><i>Tracheostomy Care, Dialysis Shunts, Equipment (feeding tubes, VP shunts, etc), Cognitive Issues</i>   | <b>6</b> |
| <b>OB Emergency (1 Hour)</b><br><i>Neonate Suctioning, Neonatal Resuscitation, Abnormal Presentation, Nuchal Cord</i>  |          |
| <b>Psychiatric Emergencies (1 Hour)</b><br><i>Patient Restraint, Excited Delirium, Depression/Suicide</i>  |          |
| <b>Toxicological Emergencies (0.5 Hour)</b><br><i>Synthetic Stimulants, THC (natural/synthetic)</i>  |          |
| <b>Endocrine (1 Hour)</b><br><i>Medication Pumps, Glucometer Awareness, Diabetes, Metabolic Syndrome</i>   |          |
| <b>Immunological Diseases (1 Hour)</b><br><i>Allergic Reaction, Anaphylaxis</i>  |          |
| <b>Communicable Diseases (0.5 Hour)</b><br><i>Appropriate Precautions, Hygiene (hand washing), Vaccines (CDC recommendations), MRSA/Influenza (Public Health - pandemics, reporting, etc.)</i> |          |

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### Operations

|  |          |
|--|----------|
| <b>At-Risk Populations (0.5 Hour)</b><br><i>Human Trafficking, Pediatric, Geriatric, Economically Disadvantaged, Domestic Violence</i> | <b>2</b> |
| <b>Pediatric Transport (NHTSA) (0.5 Hour)</b>  |          |
| <b>Affective (0.5 Hour)</b><br><br><i>Professionalism, Cultural Competency, Changing Demographics</i>                                  |          |
| <b>Role of Research (0.5 Hour)</b>   |          |

### **ADVANCED EMERGENCY MEDICAL TECHNICIAN (25 Hours)**

*To document your continued competency, you must complete the Emergency Medical Technician NCCR **PLUS** an additional 5 hours of ALS EMS education*

### **PARAMEDIC (30 Hours)**

#### Airway, Respiration and Ventilation

|  |          |
|--|----------|
| <b>Ventilation (2 Hours)</b><br><br><i>Assessment/When to Vent, Respiratory Failure, Positioning (Adult &amp; Pediatric), Suctioning, Minute Volume - effect on cardiac return</i> | <b>4</b> |
| <b>Capnography (1 Hour)</b><br><i>In-Line, Side Stream, Perfusing and Non</i>  |          |
| <b>Airway Management - Adult and Pediatric (1 Hour)</b><br><i>Intubation versus Supraglottic Airway Devices (Adult only)</i>   |          |

#### Cardiovascular

|   |           |
|---|-----------|
| <b>Post-Resuscitative Care (2 Hours)</b><br><i>Recognition of ROSC, Hemodynamics, Oxygenation, Induced Hypothermia</i>  | <b>10</b> |
| <b>VAD (0.5 Hour)</b>   |           |
| <b>Stroke (1.5 Hours)</b><br><i>Assessment, Oxygen Administration, Time of Onset, Transport Destination, Fibrinolytics (checklist)</i>  |           |
| <b>Cardiac Arrest (2 Hours)</b><br><i>Optimal Chest Compressions (depth, rate, recoil &amp; pause), Mechanical CPR Devices, Airway Issues (halting CPR to intubate, hyperventilation, supraglottic vs. ET vs. BVM), Chain of Survival, Termination Decisions Criteria (adult &amp; pediatric), ETCO2 Changes During Arrest and ROSC</i> |           |

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|   |  |
|---|--|
| <b>Congestive Heart Failure (0.5 Hour)</b><br><i>Recognition, Treatment</i>   |  |
| <b>Pediatric Cardiac Arrest (1.5 Hours)</b><br><i>Optimal Chest Compressions, Techniques, Ventilation/Compression Ratios (single vs. 2-rescuer CPR)</i> |  |
| <b>Unique Causes of Pediatric Arrest (1 Hour)</b><br><i>HOCM, Commotio Cordis, Long QT, AHA Channelopathy</i>   |  |
| <b>ACS (1 Hour)</b><br><i>12-Lead Review, STEMI Impostors, Oxygen Administration, Transportation Destination (Systems of Care)</i>                      |  |

### Trauma

|  |          |
|--|----------|
| <b>Central Nervous System Injury (2 Hours)</b><br><i>Sports Injuries (concussion, helmet considerations), ETCO2 Monitoring</i> | <b>4</b> |
| <b>Tourniquets (0.5 Hour)</b>  |          |
| <b>Field Triage (1 Hour)</b><br><i>CDC Trauma Triage, MCI (MUCC/SALT)</i>  |          |
| <b>Fluid Resuscitation (phys/over-loading) (0.5 Hour)</b>  |          |

### Medical

|  |          |
|--|----------|
| <b>Special Healthcare Needs (2 Hours)</b><br><i>Tracheostomy Care, Dialysis Shunts, Patient Care (feeding tubes, VP shunts, etc.), Cognitive Issues</i>  | <b>7</b> |
| <b>OB Emergency (1 Hour)</b><br><i>Neonate Suctioning, Neonatal Resuscitation, Abnormal Presentation, Nuchal Cord</i>  |          |
| <b>Communicable Diseases (1 Hour)</b><br><i>Hygiene (hand washing), Vaccines (CDC recommendations), MRSA/Influenza (Public Health - pandemics, reporting, etc., Appropriate Precautions), SIRS vs. Sepsis vs. Septic Shock (Fluid Resuscitation)</i> |          |
| <b>Medication Delivery (1 Hour)</b><br><i>IM vs. SC (e.g., epi), Atomized/Nasal</i>  |          |
| <b>Pain Management (1 Hour)</b><br><i>NAEMSP Pain Management, AAP Pediatric Pain Management</i>  |          |
| <b>Psychiatric Emergencies (1 Hour)</b><br><i>Patient Restraint, Excited Delirium, Depression/Suicide, Toxicological Emergencies</i>   |          |

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### Operations

|  |          |
|--|----------|
| <b>At-Risk Populations (1 Hour)</b><br><i>Human Trafficking, Pediatric, Geriatric, Economically Disadvantaged, Domestic Violence, LGBT</i> | <b>5</b> |
| <b>Pediatric Transportation (NHTSA) (0.5 Hour)</b>   |          |
| <b>Culture of Safety (0.5 Hour)</b><br><i>Adverse Event Reporting, Medication Safety</i>   |          |
| <b>Affective (1 Hour)</b><br><i>Professionalism, Cultural Competency (Changing Demographics)</i>   |          |
| <b>Crew Resource Management (1 Hour)</b>   |          |
| <b>Role of Research (1 Hour)</b>   |          |