### Levels of EMS Personnel Certification

<table>
<thead>
<tr>
<th>Level of Certification Title</th>
<th>Minimum Initial Training Hours</th>
<th>Hospital and Clinical Experience</th>
<th>Scope of Treatment Skills</th>
<th>Required Continuing Education</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Emergency Medical Responder</strong></td>
<td>40.5 Hours</td>
<td>N/A</td>
<td>Core skills: 160 Hours</td>
<td>20 hours in 2 years</td>
</tr>
</tbody>
</table>

- Students should observe emergency department operations for a period of time sufficient to gain an appreciation for the role of an EMT. They must perform 10 patient assessments. These can be performed in an ED, ambulance, clinic, nursing home, doctor’s office, or on standardized patients if clinical settings are not available. 
- **9 hours ambulance**
- **8 hours hospital**

<table>
<thead>
<tr>
<th><strong>Advanced EMT</strong></th>
<th>160 Hours</th>
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</thead>
<tbody>
<tr>
<td><strong>Emergency Medical Technician</strong></td>
<td>160-180 Hours, This includes the 16 hours of mandatory clinical time.</td>
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</table>

- Properly administer medications to at least 15 live patients
- Successfully perform all steps and access various ventilation at least 25 times on live patients of various age groups
- Ventilate at least 20 live patients of various age groups
- Demonstrate the ability to perform an adequate assessment and formulate and implement a treatment plan for patients with chest pain
- Demonstrate the ability to perform an adequate assessment and formulate and implement a treatment plan for patients with respiratory distress
- Demonstrate the ability to perform an adequate assessment and formulate and implement a treatment plan for patients with altered mental status
- Demonstrate the ability to perform an adequate assessment on pediatrics, adults, and geriatric patients

<table>
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<tr>
<th><strong>Paramedic</strong></th>
<th>452 Hours, Including Internship, course should range between 1060-1380 Hours</th>
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</thead>
</table>

- No fewer than fifty (50) attempts at airway management across all ages, with a 90% success rate utilizing endotracheal intubation in their last ten (10) attempts.
- Must be 100% successful in the management of their last 20 attempts at airway management.
- Clinical experience must include the operating room, recovery room, ICU, coronary care department, labor and delivery room, pediatrics, and ER.
- All students must have adequate exposure, as determined by the program medical director and advisory committee, to pediatric, obstetric, psychiatric, and geriatric patients.
- All students must complete a Field Internship and successfully manage, assess, and treat patients.

- Minimum Team Leads must be established by the program medical director and advisory committee and completed by every student.

### Professional Skills of AEMT/Paramedic

<table>
<thead>
<tr>
<th>AEMT</th>
<th>Paramedic</th>
</tr>
</thead>
<tbody>
<tr>
<td>BiPAP/CPAP</td>
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</tr>
<tr>
<td>Needle chest decompression</td>
<td>Needle chest decompression</td>
</tr>
<tr>
<td>Chest tube insertion</td>
<td>Chest tube insertion</td>
</tr>
<tr>
<td>Percutaneous catheterization</td>
<td>Percutaneous catheterization</td>
</tr>
<tr>
<td>ECMO/CPT/ECMO</td>
<td>ECMO/CPT/ECMO</td>
</tr>
<tr>
<td>NGG/RG</td>
<td>NGG/RG</td>
</tr>
<tr>
<td>Nasal and oral Endotracheal intubation</td>
<td>Nasal and oral Endotracheal intubation</td>
</tr>
</tbody>
</table>

### Additional Modules

- **Emergency Care**
  - CPR, AED
  - Assisted normal delivery
  - Additional modules on proper use of Transfergowns
  - Additional modules on proper use of Split Extrusion
  - Additional modules on use of Cervical Collars
  - Additional modules on proper use of Pulse Oximeter/Wound care
  - Additional modules on proper use of Pulse Oximeter/Wound care
  - Additional modules assigned by the Indiana EMS Commission if required beyond the standard curriculum

- **Cardiovascular Care**
  - Ventricular fibrillation
  - Asystole
  - Tachyarrhythmia
  - Bradycardia
- **Trauma Care**
  - Rapid extrication
  - Deep thoracotomy
  - Accessing implanted central IV port
  - PROPERLY administer tranexamic acid (TXA)

- **Skill competency every 2 years**

- **Emergency Care**
  - CPER
  - Asisted normal delivery
  - Additional modules on use of Cervical Collars
  - Additional modules on use of Pulse Oximeter/Wound care
  - Additional modules assigned by the Indiana EMS Commission if required beyond the standard curriculum

- **Cardiovascular Care**
  - Ventricular fibrillation
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- **Skill competency every 2 years**

### Required Continuing Education

- **Emergency Medical Responders**
  - 20 hours in 2 years

- **Emergency Medical Technicians**
  - 40 hours didactic plus verification of skill competency every 2 years

- **Advanced EMTs**
  - 34 hours didactic plus verification of skill competency every 2 years

- **Paramedics**
  - 52 hours didactic plus verification of skill competency every 2 years

- **Additional modules assigned by the Indiana EMS Commission if required beyond the standard curriculum**
  - These modules would exceed the National Education Standards set by NHTSA.