

**Indiana Emergency Medical Services Commission  
Levels of EMS Personnel Certification**

Level of Certification Title	Minimum Initial Training Hours	Hospital and Clinical Experience	Scope of Treatment Skills	Required Continuing Education
Emergency Medical Responder	50.5 Hours	N/A	<ul style="list-style-type: none"> <li>• Oral airway</li> <li>• BVM</li> <li>• Head tilt chin lift</li> <li>• Jaw thrust</li> <li>• Modified chin lift</li> <li>• Obstruction-manual</li> <li>• Oxygen therapy</li> <li>• Nasal cannula</li> <li>• Non-rebreather face mask</li> <li>• Upper airway suctioning</li> <li>• Manual BP</li> <li>• Unit dose auto- injectors for self or peer care (MARK I)</li> <li>• Unit does auto-injectors Epi for anaphylaxis</li> <li>• Hemorrhage control</li> <li>• Emergency moves for endangered patients</li> <li>• Eye irrigation</li> <li>• CPR</li> <li>• AED</li> <li>• Assisted normal delivery</li> <li>• <i>Additional module on proper use of Blood Glucose Monitoring</i></li> <li>• <i>Additional module on proper use of Tourniquet</i></li> <li>• <i>Additional module on proper way to Splint Extremities</i></li> <li>• <i>Additional module on proper use of Cervical Collars</i></li> <li>• <i>Additional module on proper use of Long Spine Board and Spinal immobilization</i></li> <li>• <i>Additional module on proper use of Pulse Ox/Carbon Monoxide monitoring</i></li> <li>• <i>Additional modules assigned by the Indiana EMS Commission if required beyond the standard curriculum</i></li> </ul>	20 hours in 2 years
Emergency Medical Technician	151-159 Hours. This includes the 16 hours of mandatory ride time.	<p>~Students should observe emergency department operations for a period of time sufficient to gain an appreciation for the continuum of care. <b>Students must perform 10 patient assessments.</b> These can be performed in an ED, ambulance, clinic, nursing home, doctor's office, or on standardized patients if clinical settings are not available.</p> <p><b>-8 hours ambulance</b> <b>-8 hours hospital</b></p>	<p><b>All skills of EMR (Above) plus:</b></p> <ul style="list-style-type: none"> <li>• Humidifiers</li> <li>• Partial Rebreathers</li> <li>• Venturi Mask</li> <li>• Manually Triggered Ventilator (MTV)</li> <li>• Assisted Medications <ul style="list-style-type: none"> <li>• Assisting a patient in administering his/her own prescribed medications, including auto-injection</li> </ul> </li> <li>• <b>Medication Administration – Routes</b> <ul style="list-style-type: none"> <li>• Buccal</li> <li>• Oral</li> <li>• Intramuscular (EPI)</li> </ul> </li> <li>• <b>Administered Medications</b> <ul style="list-style-type: none"> <li>• PHYSICIAN – approved over the counter medications (oral glucose, ASA for chest pain of suspected ischemic origin)</li> <li>• Epinephrine for anaphylaxis (syringe &amp; ampule)</li> </ul> </li> <li>• <b>Trauma Care</b> <ul style="list-style-type: none"> <li>• Seated spinal immobilization</li> <li>• Traction splinting</li> <li>• Mechanical patient restraint</li> <li>• MAST/PASG</li> <li>• Rapid extrication</li> </ul> </li> <li>• <b>Cardiac Care</b> <ul style="list-style-type: none"> <li>• Mechanical CPR</li> <li>• Assisted complicated delivery</li> <li>• Additional module on Esophageal, tracheal, Multi-Lumen and Supraglottic Airway</li> <li>• Additional modules assigned by the IN EMS Commission if required beyond the curriculum</li> </ul> </li> </ul>	40 hours didactic plus verification of skill competency every 2 years
Advanced EMT	162.5 Hours	<p>~Properly administer medications to at least 15 live patients</p> <p>~Successfully perform all steps and access venous circulation at least 25 times on live patients of various age groups</p> <p>~Ventilate at least 20 live patients of various age groups</p> <p>~Demonstrate the ability to perform an adequate assessment and formulate and implement a treatment plan for patients with chest pain</p> <p>~Demonstrate the ability to perform an adequate assessment and formulate and implement a treatment plan for patients with respiratory distress</p> <p>~Demonstrate the ability to perform an adequate assessment and formulate and implement a treatment plan for patients with altered mental status</p> <p>~Demonstrate the ability to perform an adequate assessment on pediatric, adult, and geriatric patients</p>	<p><b>All Skills of EMT (above) plus</b></p> <ul style="list-style-type: none"> <li>• Esophageal Tracheal Multi-lumen Airways</li> <li>• Blood glucose monitor</li> <li>• Peripheral IV insertion</li> <li>• IO</li> <li>• IV fluid infusion</li> </ul> <p><b>Medicine Administration - Routes</b></p> <ul style="list-style-type: none"> <li>• Aerosolized</li> <li>• Subcutaneous</li> <li>• Intramuscular</li> <li>• Nebulized</li> <li>• Sublingual</li> <li>• Intranasal</li> <li>• IV push of D50</li> <li>• Narcotic antagonist only</li> </ul> <p><b>Administered Meds</b></p> <ul style="list-style-type: none"> <li>• SL Nitroglycerine for chest pain of suspected ischemic origin</li> <li>• SQ or IM epinephrine for anaphylaxis</li> <li>• glucagon and IV D50 for hypoglycemia</li> <li>• Inhaled beta agonist for dyspnea and wheezing</li> <li>• Narcotic antagonist</li> <li>• Nitrous oxide for pain relief</li> <li>• <i>Additional module on Adult IO</i></li> <li>• <i>12 lead Application and Transmission ONLY</i></li> <li>• <i>Additional modules assigned by the Indiana EMS Commission if required Beyond the standard curriculum</i></li> </ul>	54 hours didactic plus verification of skill competency every 2 years
Paramedic	452 Hours. Including Internship, course should range between 1000-1300 Hours	<p>~No fewer than fifty (50) attempts at airway management across all age levels, with a 90% success rate utilizing endotracheal intubation in their last ten (10) attempts.</p> <p>~Must be 100% successful in the management of their last 20 attempts at airway management.</p> <p>~Clinical experience must include the operating room, recovery room, ICU, coronary care department, labor and delivery room, pediatrics, and ER.</p> <p>~All students must have adequate exposure, as determined by the program medical director and advisory committee, to pediatric, obstetric, psychiatric, and geriatric patients.</p> <p>~All students must complete a <b>Field Internship</b> and successfully manage, assess, and treat patients. <b>Minimum Team Leads</b> must be established by the program medical director and advisory committee and completed by every student.</p>	<p><b>All skills of ADV EMT (Above) plus:</b></p> <ul style="list-style-type: none"> <li>• BiPAP/CPAP</li> <li>• Needle chest decompression</li> <li>• Chest tube monitoring</li> <li>• Percutaneous cricothyrotomy</li> <li>• ETCO2/Capnography</li> <li>• NG/OG tube</li> <li>• Nasal and oral Endotracheal intubation</li> <li>• Airway obstruction removal by direct laryngoscopy</li> <li>• PEEP</li> <li>• EKG interpretation</li> <li>• Interpretive 12 Lead</li> <li>• Blood chemistry analysis</li> <li>• Central Line Monitoring</li> <li>• Venous blood sampling</li> </ul> <p><b>Medication Administration – Routes</b></p> <ul style="list-style-type: none"> <li>• Endotracheal</li> <li>• NG</li> <li>• IO</li> <li>• Accessing implanted central IV port</li> <li>• Rectal</li> <li>• Topical</li> <li>• IV (push and infusion)</li> </ul> <p><b>Administered Medications</b></p> <ul style="list-style-type: none"> <li>• PHYSICIAN – approved medication</li> <li>• Maintenance of blood administration</li> <li>• Thrombolytic initiation</li> </ul> <p><b>Trauma Care</b></p> <ul style="list-style-type: none"> <li>• Morgan Lens</li> </ul> <p><b>Cardiac Care</b></p> <ul style="list-style-type: none"> <li>• Cardioversion</li> <li>• Manual defibrillation</li> <li>• TC Pacing</li> <li>• Carotid Massage</li> <li>• Additional modules assigned by the IN EMS Commission if required beyond the curriculum</li> </ul>	72 hours didactic plus verification of skill competency every 2 years