


**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"> • Oral airway • BVM • Head tilt chin lift • Jaw thrust • Modified chin lift • Obstruction-manual • Oxygen therapy • Nasal cannula • Non-rebreather face mask • Upper airway suctioning • Manual BP • Unit dose auto- injectors for self or peer care (MARK I) • Unit does auto-injectors Epi for anaphylaxis • Hemorrhage control • Emergency moves for endangered patients • Eye irrigation • CPR • AED • Assisted normal delivery • <i>Additional module on proper use of Blood Glucose Monitoring</i> • <i>Additional module on proper use of Tourniquet</i> • <i>Additional module on proper way to Splint Extremities</i> • <i>Additional module on proper use of Cervical Collars</i> • <i>Additional module on proper use of Long Spine Board and Spinal immobilization</i> • <i>Additional module on proper use of Pulse Ox/Carbon Monoxide monitoring</i> • <i>Additional modules assigned by the Indiana EMS Commission if required beyond the standard curriculum</i> 	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. Students 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.</p> <p>~8 hours ambulance ~8 hours hospital</p> 	<p>All skills of EMR (Above) plus:</p> <ul style="list-style-type: none"> • Humidifiers • Partial Rebreathers • Venturi Mask • Manually Triggered Ventilator (MTV) • Assisted Medications <ul style="list-style-type: none"> • Assisting a patient in administering his/her own prescribed medications, including auto-injection • Medication Administration – Routes <ul style="list-style-type: none"> • Buccal • Oral • Intramuscular (EPI) • Administered Medications <ul style="list-style-type: none"> • PHYSICIAN – approved over the counter medications (oral glucose, ASA for chest pain of suspected ischemic origin) • Epinephrine for anaphylaxis (syringe & ampule) • Trauma Care <ul style="list-style-type: none"> • Seated spinal immobilization • Traction splinting • Mechanical patient restraint • MAST/PASG • Rapid extrication • Cardiac Care <ul style="list-style-type: none"> • Mechanical CPR • Assisted complicated delivery • Additional module on Esophageal, tracheal, Multi-Lumen and Supraglottic Airway • Additional modules assigned by the IN EMS Commission if required beyond the curriculum 	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>All Skills of EMT (above) plus</p> <ul style="list-style-type: none"> • Esophageal Tracheal Multi-lumen Airways • Blood glucose monitor • Peripheral IV insertion • IO • IV fluid infusion <p>Medicine Administration - Routes</p> <ul style="list-style-type: none"> • Aerosolized • Subcutaneous • Intramuscular • Nebulized • Sublingual • Intranasal • IV push of D50 • Narcotic antagonist only <p>Administered Meds</p> <ul style="list-style-type: none"> • SL Nitroglycerine for chest pain of suspected ischemic origin • SQ or IM epinephrine for anaphylaxis • glucagon and IV D50 for hypoglycemia • Inhaled beta agonist for dyspnea and wheezing • Narcotic antagonist • Nitrous oxide for pain relief • <i>Additional module on Adult IO</i> • <i>12 lead Application and Transmission ONLY</i> • <i>Additional modules assigned by the Indiana EMS Commission if required Beyond the standard curriculum</i> 	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 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.</p>	<p>All skills of ADV EMT (Above) plus:</p> <ul style="list-style-type: none"> • BiPAP/CPAP • Needle chest decompression • Chest tube monitoring • Percutaneous cricothyrotomy • ET/CO2/Capnography • NG/OG tube • Nasal and oral Endotracheal intubation • Airway obstruction removal by direct laryngoscopy • PEEP • EKG interpretation • Interpretive 12 Lead • Blood chemistry analysis • Central Line Monitoring • Venous blood sampling <p>Medication Administration – Routes</p> <ul style="list-style-type: none"> • Endotracheal • NG • IO • Accessing implanted central IV port • IV (push and infusion) • Rectal • Topical <p>Administered Medications</p> <ul style="list-style-type: none"> • PHYSICIAN – approved medication • Maintenance of blood administration • Thrombolytic initiation <p>Trauma Care</p> <ul style="list-style-type: none"> • Morgan Lens <p>Cardiac Care</p> <ul style="list-style-type: none"> • Cardioversion • Manual defibrillation • TC Pacing • Carotid Massage • Additional modules assigned by the IN EMS Commission if required beyond the curriculum 	72 hours didactic plus verification of skill competency every 2 years