

VIVO–Emergency Medical Technician–Advanced (EMT–A)

The course is designed to educate and train the healthcare professional in advanced aspects of emergency and pre hospital care. The EMT–A student will be able to provide an advanced level of patient care. Topics covered include advanced airway management, advanced patient assessment, advanced trauma and medical interventions, advanced pharmacology & basic cardiology.

Objectives

After completion of this course, the student will be able to

- Describe the roles of EMS in the health care system.
- Demonstrate the professional attributes expected of EMT–A.
- Perform the roles and responsibilities of an EMT–A with regard to personal safety and wellness, as well as the safety of others.
- Perform the duties of an EMT–A with regard for medical-legal and ethical issues, including functioning under medical direction and within the scope of practice.
- Apply principles of anatomy, physiology, pathophysiology, life span development, and therapeutic communications to the assessment and management of patients.
- Apply principles of emergency medical services operations, including considerations in ambulance and air medical transportation, multiple-casualty incidents.



Course Description

- Respond to Emergency Calls (Advanced)
- Size up the scene at the site
- Follow evidence based protocol while managing patients
- Assess patient at the site (Advanced)
- Patient triage based on the defined clinical criteria of Severity of illness
- Manage Cardiovascular emergency (Advanced)
- Manage Respiratory Emergencies
- Manage cerebrovascular Emergency
- Manage Allergic reaction
- Manage Poisoning & Overdose (Advanced)
- Manage Severe abdominal Pain
- Manage Diabetes Emergencies
- Manage Obstetrics / Gynecological emergencies
- Manage bleeding and shock
- Manage Injuries to head and spine
- Manage Infant, Neonates & Children
- Manage patient handover to the provider institute
- Manage critical care aeromedical and inter-facility transfer
- Manage Mass casualty incident
- Manage advance venous access and administration of medications
- Collate and communicate health information
- Maintain a safe, healthy and secure working environment

Highlights

- **Theory+Simulation:** 750 hours
- **Hospital+Ambulance internship:** 450 hours
- **Eligibility:** 10+2 with Science / EMT-Basic
- **Duration:** 1200 Hours/9 Months
- **Certification:** VIVO/NSDC