

## National EMS Education Standards: Modules and Topics

Both the National EMS Education Standards (NEMSES) and the Instructional Guidelines for each INITIAL entry EMS program can be found at the following link:

<https://www.ems.gov/education.html>

NEMSES recommended course length estimates:

EMR (48 – 60 hours)

EMT (150 – 190 hours)

AEMT (150 – 250 hours)

Paramedic (See NEMSES Education Standards)

Per Saf-C 5910 the following Module and Topic areas taken from the National EMS Education Standards must be reflected in the course outline when submitting for Course Authorization. In addition to the outline which must include dates/times/name(s) of assistant instructors you must also submit Course Guidelines, and the Clinical/Field Affiliation Form (if applicable).

- Preparatory
  - EMS Systems
  - Research
  - Workforce Safety & Wellness
  - Documentation
  - EMS System Communication
  - Therapeutic Communication
  - Medical/Legal and Ethics
  
- Anatomy and Physiology
  
- Medical Terminology
  
- Pathophysiology
  
- Life Span Development
  
- Public Health
  
- Pharmacology

- Principles of Pharmacology
- Medication Administration
- Emergency Medications
  
- Airway Management, Respiration and Artificial Ventilation
  - Airway Management
  - Respiration
  - Artificial Ventilation
  
- Assessment
  - Scene Size-up
  - Primary Assessment
  - History Taking
  - Secondary Assessment
  - Monitoring Devices
  - Reassessment
  
- Medicine
  - Medical Overview
  - Neurology
  - Abdominal and Gastrointestinal Disorders
  - Immunology
  - Infectious Diseases
  - Endocrine Disorders
  - Psychiatric
  - Cardiovascular
  - Toxicology
  - Respiratory
  - Hematology
  - Genitourinary/Renal
  - Gynecology
  - Non-Traumatic Musculoskeletal Disorders
  - Diseases of the Eyes, Ears, Nose and Throat
  
- Shock and Resuscitation
  
- Trauma
  - Trauma Overview
  - Bleeding
  - Chest Trauma

- Abdominal and Genitourinary Trauma
- Orthopedic Trauma
- Soft Tissue Trauma
- Head, Facial, Neck and Spine Trauma
- Nervous System Trauma
- Special Considerations in Trauma
- Environmental Emergencies
- Multi-System Trauma
  
- Special Patient Populations
  - Obstetrics
  - Neonatal Care
  - Pediatrics
  - Geriatrics
  - Patients with Special Challenges
  
- EMS Operations
  - Principles of Safely Operating a Ground Ambulance
  - Incident Management
    - *FEMA ICS IS-100c*
    - *FEMA NIMS IS-700b*
  - Multiple Casualty Incidents
  - Air Medical
  - Vehicle Extrication
  - Hazardous Materials Awareness
    - *HAZWOPER (AWR-160 or equivalent)*
  - Mass Casualty Incidents due to Terrorism and Disaster