

# **OSDH – EMS EMERGENCY MEDICAL TECHNICIAN**

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## **Recommended Training Hours for National Education Standard**

**OSDH  
2011**

**Approved: Oklahoma Training and Licensure SubCommittee November 17<sup>th</sup>, 2011**

**Approved: Oklahoma Emergency Response Systems Development Advisory Council --- November 17<sup>th</sup>, 2011**

**First Revision 12/19/11 [added Monitoring Devices in Assessment and Hematology in Medicine]**

**INTRODUCTION:**

Oklahoma is committed to the implementation of the EMS Education Agenda for the Future:

**HISTORY:**

The *EMS Education for the Future: A Systems Approach* establishes a system of EMS education that more closely parallels that of other health care professions. As part of this systems approach, the *National EMS Scope of Practice Model* calls for the reconfiguration of EMS provider levels in the United States. Oklahoma has opted to follow the *Scope of Practice Model*, as published by the National Highway Traffic Safety Administration’s (NHTSA) Office of Emergency Medical Services. Therefore we have adopted the *National EMS Education Standards* which have been published by NHTSA in conjunction with the above. You may download the *Standard* and accompanying *Instructor Guidelines* at <ems.gov>.

**Name Change:** [Oklahoma has already changed this in our Rules]

<b>Current Level</b>	<b>New Level</b>
NR Basic	Emergency Medical Technician [NREMT]

**CURRENT CHANGES TO National Registry TESTING**

Levels	When do updated exams start?	Last date course based on NSC could finish	Last NREMT exam given
Basic		September 30, 2011 (90 days ahead of last exam)	December 31, 2011
EMT	January 1, 2012		

The EMT training modalities have already changed as of September 30<sup>th</sup> of this year. You can ‘download’ the National Education Standard and the accompanying “Emergency Medical Technician Instructional Guidelines” [IGs] from the National Highway Traffic Safety Administration web site

<http://ems.gov/education/nationalstandardandnecs.html>

It will be a requirement that you have a copy of the “Instructor Guidelines” for this level of training! You as an Instructor will use this for entry level classes [EMT] and the “Transition Courses” when they are available later this 2011 Fall.

If you have any questions, please feel free to contact us at (405)271- 4027 or by email at <[roberti@health.ok.gov](mailto:roberti@health.ok.gov)>

## EMERGENCY MEDICAL TECHNICIAN STANDARDS:

### Emergency Medical Technician

The primary focus of the Emergency Medical Technician is to provide basic emergency medical care and transportation for critical and emergent patients who access the emergency medical system. This individual possesses the basic knowledge and skills necessary to provide patient care and transportation. Emergency Medical Technicians function as part of a comprehensive EMS response, under medical oversight. Emergency Medical Technicians perform interventions with basic equipment typically found on an ambulance. The Emergency Medical Technician is a link from the scene to the emergency health care system.

THE STANDARD FOR EMT:

#### **Preparatory**

**Applies fundamental knowledge of the EMS system, safety/well-being of the EMT, medical/legal and ethical issues to the provision of emergency care.**

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#### *EMS Systems:*

Simple depth, foundational breadth  
EMR Material PLUS  
EMS systems  
History of EMS  
Roles/ responsibilities/professionalism of EMS personnel  
Quality improvement  
Patient Safety

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#### *Research*

Simple depth, simple breadth  
EMR Material PLUS  
Evidence-based decision making

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#### *Workforce Safety and Wellness*

Simple depth, simple breadth  
EMR Material PLUS  
Standard safety precautions  
Personal protective equipment  
Stress management  
Dealing with death and dying  
Prevention of work related injuries  
Lifting and moving patients  
Disease transmission  
Wellness principles

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#### *Documentation*

Fundamental depth, foundational breadth  
EMR Material PLUS  
Principles of medical documentation and report writing

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#### *EMS System Communication*

Simple depth, simple breadth  
EMR Material PLUS  
EMS communication system  
Communication with other health care professionals  
Team communication and dynamics

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#### *Therapeutic Communication*

Simple depth, simple breadth  
EMR Material PLUS  
Principles of communicating with patients in a manner that achieves a positive relationship  
Adjusting communication strategies for age, stage of development, patients with special needs, and differing culture

Fundamental depth, foundational breadth  
Interviewing techniques  
Verbal defusing strategies  
Family presence issues

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*Medical/Legal and Ethics*

Fundamental depth, foundational breadth  
EMR Material PLUS  
Consent/refusal of care  
Confidentiality  
Advanced directives  
Tort and criminal actions  
Evidence preservation  
Statutory responsibilities  
Mandatory reporting  
Ethical principles/moral obligations

**Anatomy and Physiology**

Applies fundamental knowledge of the anatomy and function of all human systems to the practice of EMR

**Medical Terminology**

Uses foundational anatomical and medical terms and abbreviations in written and oral communication with colleagues and other health care professionals

**Pathophysiology**

Applies fundamental knowledge of the Pathophysiology of respiration and perfusion to patient assessment and management.

**Life Span Development**

Applies fundamental knowledge of life span development to patient assessment and management.

**Public Health**

Uses simple knowledge of the principles of illness and injury prevention in emergency care.

**Pharmacology**

Applies fundamental knowledge of the medications that the EMT may assist/administer to a patient during an emergency

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*Principles of Pharmacology*

Simple depth, simple breadth  
Medication safety  
Kinds of medications used during an emergency

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*Medication Administration*

Fundamental depth, foundational breadth  
EMR Material PLUS  
Within the scope of practice of the EMT, how to  
Assist/administer medications to a patient

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Emergency Medications

Fundamental depth, foundational breadth

EMR Material PLUS

Within the scope of practice of the EMR

Names

Actions

Indications

Contraindications

Complications

Routes of administration

Side effects

Interactions

Dosages for the medications administered

**Airway Management, Respiration and Artificial Ventilation**

Applies knowledge (fundamental depth, foundational breadth) of general anatomy and physiology to patient assessment and management in order to assure a patent airway, adequate mechanical ventilation, and respiration for patients of all ages.

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Airway Management

Fundamental depth, foundational breadth

EMR Material PLUS

Within the scope of practice of the EMR

Airway anatomy

Airway assessment

Techniques of assuring a patent airway

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Respiration

Fundamental depth, foundational breadth

EMR Material PLUS

Anatomy of the respiratory system

Physiology and Pathophysiology of respiration

Pulmonary ventilation

Oxygenation

Respiration

External

Internal

Cellular

Assessment and management of adequate and inadequate respiration

Supplemental oxygen therapy

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Artificial Ventilation

Fundamental depth, foundational breadth

EMR Material PLUS:

Assessment and management of adequate and inadequate ventilation

Artificial ventilation

Minute ventilation

Alveolar ventilation

Effect of artificial ventilation on cardiac output

**Assessment**

Applies scene information and patient assessment findings (scene size up, primary and secondary assessment, patient history, and reassessment) to guide emergency management

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Scene Size-UP

Fundamental depth, foundational breadth

EMR Material PLUS

Scene management

Multiple patient situations

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Primary Assessment

Fundamental depth, simple breadth

EMR Material PLU

Primary assessment for all patient situations

Initial general impression

Level of consciousness

ABCs

Identifying life threats

Assessment of vital functions

Integration of treatment/procedures needed to preserve life

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History Taking

Fundamental depth, foundational breadth

EMR Material PLUS

Investigation of the chief complaint

Mechanism of injury/nature of illness

Past medical history

Associated signs and symptoms

Pertinent negatives

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Secondary Assessment

Fundamental depth, foundational breadth

EMR Material PLUS

Techniques of physical examination

Respiratory system

Presence of breath sounds

Cardiovascular system

Neurological system

Musculoskeletal system

All anatomical regions

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Monitoring Devices

Simple depth, simple breadth

Within the scope of practice of the EMT

Obtaining and using information from patient monitoring devices including (but not limited to)

Pulse Oximetry

Non-invasive blood pressure

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Reassessment

Fundamental depth, foundational breadth

EMR Material PLUS

How and when to perform a reassessment for all patient situations

**Medicine**

Applies fundamental knowledge to provide basic emergency care and transportation based on assessment findings for an acutely ill patient.

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Medical Overview

Simple depth, foundational breadth

EMR Material PLUS:

Pathophysiology, assessment, and management of a medical complaint to include

Transport mode

Destination decisions

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Neurology

Fundamental depth, Foundational breadth

EMR Material PLUS:

Anatomy, physiology, Pathophysiology, assessment, and management of  
Stroke/transient ischemic attack  
Seizure  
Status epileptics  
Headache

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Abdominal and Gastrointestinal Disorders

Fundamental depth, foundational breadth

EMR Material PLUS:

Anatomy, physiology, pathophysiology, assessment and management of  
Acute and chronic gastrointestinal hemorrhage

Simple depth, simple breadth

Peritonitis

Ulcerative diseases

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Immunology

Fundamental depth, foundational breadth

EMR Material PLUS:

Anatomy, physiology, pathophysiology, assessment, and management of hypersensitivity disorders and/or emergencies  
Anaphylactic reactions

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Infectious Diseases

EMR Material PLUS:

Simple depth, simple breadth

Assessment and management of

A patient who may have an infectious disease

How to decontaminate the ambulance and equipment after treating a patient

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Endocrine Disorders

Fundamental depth, foundational breadth

EMR Material PLUS:

Anatomy, physiology, pathophysiology, assessment and management of  
Acute diabetic emergencies

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Psychiatric

Simple depth, simple breadth

EMR Material PLUS:

Basic principles of the mental health system

Fundamental depth, foundational breadth

Assessment and management of

Acute psychosis

Suicidal / risk

Agitated delirium

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Cardiovascular

EMR Material PLUS:

Anatomy, physiology, pathophysiology, assessment and management of

Simple depth, simple breadth

Heart failure

Hypertensive emergencies

Fundamental depth, foundational breadth

Acute coronary syndrome

Angina pectoris

Myocardial infarction

Aortic aneurysm / dissection

Thromboembolism

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Toxicology

Fundamental depth, foundational breadth

EMR Material PLUS:

Anatomy, physiology, pathophysiology, assessment and management of

Inhaled poisons

Ingested poisons

Injected poisons

Absorbed poisons

Alcohol intoxication and withdrawal

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Respiratory

EMR Material PLUS:

Anatomy, physiology, pathophysiology, assessment and management of

Simple depth, simple breadth

Pertussis Cystic

fibrosis Pulmonary

embolism Pneumonia

Viral respiratory infections

Fundamental depth, foundational breadth

Epiglottitis

Spontaneous pneumothorax

Pulmonary edema

Asthma

Chronic obstructive pulmonary disease

Environmental / industrial exposure

Toxic gas

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Hematology

EMR Material PLUS:

Simple depth, simple breadth

Anatomy, physiology, pathophysiology, assessment and management of

Sickle cell crisis

Clotting disorders

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Genitourinary/Renal

EMR Material PLUS:

Simple depth, simple breadth

Anatomy, physiology, pathophysiology, assessment and management of

Complications related to

Renal dialysis

Urinary catheter management (not insertion)

Kidney stones

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Gynecology

EMR Material PLUS:

Anatomy, physiology, pathophysiology, assessment and management of

Simple depth, simple breadth

Infections

Fundamental depth, foundational breadth

Vaginal bleeding

Sexual assault (to include appropriate emotional support)

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Non-Traumatic Musculoskeletal Disorders

Fundamental depth, foundational breadth

Anatomy, physiology, pathophysiology, assessment and management of

Non-traumatic fractures



**Shock and Resuscitation**

Applies fundamental knowledge of the causes, pathophysiology, and management of shock, respiratory failure or arrest, cardiac failure or arrest, and post resuscitation management

**Trauma**

Applies fundamental knowledge to provide basic emergency care and transportation based on assessment findings for an acutely injured patient.

Trauma Overview

- Fundamental depth, foundational breadth
  - Pathophysiology, assessment, and management of the trauma patient
  - Trauma scoring
  - Rapid transport and destination issues
  - Transport mode

Bleeding

- EMR Material PLUS:
  - Fundamental depth, foundational breadth
    - Pathophysiology, assessment, and management of Bleeding

Chest Trauma

- EMR Material PLUS:
  - Fundamental depth, foundational breadth
    - Pathophysiology, assessment and management of
      - Blunt versus penetrating mechanisms
      - Hemothorax
      - Pneumothorax
        - Open
        - Simple
        - Tension
      - Cardiac tamponade
      - Rib fractures
      - Flail chest
      - Comotio cordis

Abdominal and Genitourinary Trauma

- EMR Material PLUS:
  - Fundamental depth, simple breadth
    - Pathophysiology, assessment and management of
      - Solid and hollow organ injuries
      - Blunt versus penetrating mechanisms
      - Evisceration
      - Injuries to the external genitalia
      - Vaginal bleeding due to trauma
      - Sexual assault

Orthopedic Trauma

- EMR Material PLUS:
  - Fundamental depth, foundational breadth
    - Pathophysiology, assessment and management of
      - Upper and lower extremity orthopedic trauma
      - Open fractures
      - Closed fractures

- Dislocations
- Sprains / strains
- Pelvic fractures
- Amputations / replantation

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Soft Tissue Trauma

EMR Material PLUS:

Fundamental depth, foundational breadth

- Pathophysiology, assessment and management of

  - Penetrating neck trauma

  - Laryngeotracheal injuries

  - Spine trauma

    - Chemical

    - Thermal

  - Chemicals in the eye and on the skin

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Head, Facial, Neck, and Spine trauma

EMR Material PLUS:

Fundamental depth, foundational breadth

- Pathophysiology, assessment and management of

  - Penetrating neck trauma

  - Laryngeotracheal injuries

  - Spine trauma

Simple depth, simple breadth

- Facial fractures

- Skull fractures

- Foreign bodies in the eyes

- Dental trauma

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Nervous System

Fundamental depth, foundational breadth

- Pathophysiology, assessment and management of

  - Traumatic brain injury

  - Spinal cord injury

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Special Considerations in Trauma

EMR Material PLUS:

Fundamental depth, foundational breadth

- Pathophysiology, assessment and management of trauma in the

  - Pregnant patient

  - Pediatric patient

  - Geriatric patient

  - Cognitively impaired patient

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Environmental Emergencies

EMR Material PLUS:

Fundamental depth, foundational breadth

- Pathophysiology, assessment, and management of

  - Near drowning

  - Temperature-related illness

  - Bites and envenomations

  - Dysbarism

    - High altitude

    - Diving injuries

  - Electrical injury

  - Radiation exposure

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Multi-System Trauma

EMR Material PLUS:

Fundamental depth, foundational breadth  
Pathophysiology, assessment, and management of  
Multi-system trauma  
Blast injuries

**Special Patient Populations**

Applies a fundamental knowledge of growth, development, and aging and assessment findings to provide basic emergency care and transportation for a patient with special needs.

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Obstetrics

EMR Material PLUS:

Fundamental depth, foundational breadth  
Anatomy and physiology of normal pregnancy  
Pathophysiology of complications of pregnancy  
Assessment of the pregnant patient  
Management of Normal  
delivery Abnormal  
delivery  
Nuchal cord  
Prolapsed cord  
Breech delivery Third  
trimester bleeding  
Placenta previa  
Abruptio placenta  
Spontaneous abortion / miscarriage  
Ectopic pregnancy  
Preeclampsia / Eclampsia

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Neonatal care

EMR Material PLUS:

Fundamental depth, foundational breadth  
Assessment and management of  
Newborn  
Neonatal resuscitation

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Pediatrics

EMR Material PLUS:

Fundamental depth, foundational breadth  
Age-related assessment findings, age-related, and developmental stage related assessment and treatment modifications  
for pediatric specific major diseases and/or emergencies  
Upper airway obstruction  
Lower airway reactive disease  
Respiratory distress/failure/arrest  
Shock  
Seizures  
Sudden Infant Death Syndrome  
Gastrointestinal disease

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Geriatrics

EMR Material PLUS:

Fundamental depth, foundational breadth  
Changes associated with aging, psychosocial aspects of aging and age-related assessment and treatment modifications for  
the major or common geriatric diseases and/or emergencies  
Cardiovascular diseases  
Respiratory disease  
Neurological disease

Endocrine diseases  
Alzheimer's  
Dementia

Patients with Special Challenges

EMR Material PLUS:

Simple depth, simple breadth  
Healthcare implications of  
Abuse Neglect  
Homelessness  
Poverty  
Bariatrics  
Technology dependent  
Hospice / terminally ill  
Tracheostomy care / dysfunction  
Homecare  
Sensory deficit / loss  
Developmental disability

**EMS Operations**

Same as previous EMR level

Principles of Safely Operating a Ground Ambulance

EMR Material PLUS:

Simple depth, foundational breadth  
Risks and responsibilities of emergency transport

Incident Management

EMR Material PLUS:

Fundamental depth, foundational breadth  
Establish and work within the incident management system

Multiple Casualty Incidents

EMR Material PLUS:

Simple depth, foundational breadth  
Triage  
Performing  
Re-triage  
Destination decisions  
Post traumatic and cumulative stress

Air Medical

Same as Previous EMR Level

Vehicle Extrication

Same as Previous EMR Level

Hazardous Materials Awareness

Same as Previous EMR Level

Mass Casualty Incidents due to Terrorism and Disaster

Same as Previous EMR Level

## NATIONAL EDUCATIONAL STANDARD

*These hours are recommended hours only. The program and training should be based on successful completion of all EMT competencies [didactic, psychomotor and affective domains]*

EMERGENCY MEDICAL TECHNICIAN	Classroom Hours	Lab Hours	Total Hours	Comment
<b>Preparatory</b>	<b>9</b>	<b>3</b>	<b>12</b>	
EMS systems	1	0	1	
Research	1	0	1	
Workforce Safety & Wellness	1	3	4	Lifting, hand washing
Documentation	2	0	2	
EMS System Communications	1	0	1	
Therapeutic Communication	1	0	1	
Medical/Legal and Ethics	2	0	2	
<b>Anatomy and Physiology</b>	<b>10</b>	<b>0</b>	<b>10</b>	
<b>Medical Terminology</b>	<b>2</b>	<b>0</b>	<b>2</b>	
<b>Pathophysiology</b>	<b>6</b>	<b>0</b>	<b>6</b>	
<b>Life Span Development</b>	<b>2</b>	<b>0</b>	<b>2</b>	
<b>Public Health</b>	<b>0.5</b>	<b>0</b>	<b>0.5</b>	
<b>Pharmacology</b>	<b>2</b>	<b>2</b>	<b>4</b>	
Principles of Pharmacology	1	0	1	
Medication Administration	1	0	1	See Oklahoma's acceptable assist drug for EMT
Emergency Medications	0	2	2	
<b>Airway Management, Respiration and Artificial Ventilation</b>	<b>8</b>	<b>8</b>	<b>16</b>	
Airway Management	2	0	2	Includes pediatric airway skills
Respiration	4	8	12	
Artificial Ventilation	2	0	2	Add CPAC
<b>Assessment</b>	<b>11</b>	<b>11</b>	<b>22</b>	
Scene Size-Up	2	0	2	
Primary Assessment	2	4	6	
History Taking	2	0	2	
Secondary Assessment	2	2	4	
Monitoring Devices	2	2	4	
Reassessment	2	0	2	
<b>Continued on next page</b>				

<b>EMERGENCY MEDICAL TECHNICIAN</b>	<b>Class Hours</b>	<b>Lab Hours</b>	<b>Total Hours</b>	<b>Comment</b>
<b>Medicine</b>	<b>27.5</b>	<b>14</b>	<b>41.5</b>	
Medical Overview	1	0	1	
Neurology	4	2	6	
Abdominal and Gastrointestinal Disorders	2	0	2	
Immunology	1	1	2	
Infectious Diseases	1	0	1	
Endocrine Disorders	3	1	4	
Psychiatric	2	1	3	
Cardiovascular	4	4	8	
Toxicology	2	1	3	
Respiratory	4	4	8	
Hematology	1	0	1	
Genitourinary/Renal	0.5	0	0.5	
Gynecology	1	0	1	
Non-Traumatic Musculoskeletal Disorders	0.5	0	0.5	
Diseases of the Eyes, Ears, Nose and Throat	0.5	0	0.5	
<b>Shock and Resuscitation</b>	<b>6</b>	<b>4</b>	<b>10</b>	
<b>Trauma</b>	<b>23</b>	<b>15</b>	<b>38</b>	
Trauma Overview	1	0	1	
Bleeding	1	2	3	
Chest Trauma	1	1	2	
Abdominal and Genitourinary Trauma	1	1	2	
Orthopedic Trauma	4	4	8	
Soft Tissue Trauma	3	2	5	
*Head, Facial, Neck and Spine Trauma	3	3	6	Possibly combine this with Nervous System trauma
Special Considerations in Trauma	1	0	1	
Nervous System Trauma	1	1	2	
Environmental Emergencies	4	0	4	
Multi-System Trauma	1	1	2	
Oklahoma Trauma Triage	2	0	2	
<b>Special Patient Populations</b>	<b>25</b>	<b>17</b>	<b>42</b>	
Obstetrics	4	4	8	
Neonatal Care	1	1	2	
Pediatrics	6	6	12	EMS-C Supplement
Geriatrics	8	4	12	
Patients with Special Challenges	6	2	8	
<b>Continued on next page</b>				

<b>EMERGENCY MEDICAL TECHNICIAN</b>	<b>Classroom Hours</b>	<b>Lab Hours</b>	<b>Total Hours</b>	<b>Comment</b>
<b>EMS Operations</b>	<b>8</b>	<b>2</b>	<b>10</b>	
Principles of Safely Operating a Ground Ambulance	2	0	2	
Incident management	0	0	0	Co or Pre requisite [see below]
Multiple Casualty Incidents	1	1	2	Jump Start Triage
Air Medical	1	0	1	
Vehicle Extrication	1	1	2	May include EVOC class [but hrs are not included]
Hazardous Materials Awareness	0	0	0	Co or Pre requisite [see below]
Mass Casualty Incidents due to Terrorism and Disaster	2	0	2	
<b>EMT TOTALS</b>	<b>140</b>	<b>76</b>	<b>216</b>	

<b>COMMENT</b>
<p><b>Competencies</b>  The focus of laboratory time in this curriculum has shifted from a time based approach to an experience or competency based approach. It is certainly the opinion of this group that this will be a much more effective approach. This will allow each program greater flexibility to achieve the goals based upon their laboratory skills.</p> <p><b>[these are co or pre-requisites]</b></p> <ul style="list-style-type: none"> <li>• HAZWOPER; First Responder HazMat Awareness level hours, [Entry-Level Students Need to Be Certified in] Hazardous Waste Operations and Emergency Response (HAZWOPER) standard, 29 CRF 1910.120 (q)(6)(i) – First Responder Awareness Level</li> <li>• and ICS courses are not included in the above totals [Entry-Level Students Need to Be Certified in] <ol style="list-style-type: none"> <li>1. ICS-100: Introduction to ICS, or equivalent</li> <li>2. FEMA IS-700: NIMS, An Introduction</li> </ol> </li> </ul>

<b>CLINICALS</b>	
<b>Emergency Department / Ambulance Service</b>	<b>36 hours</b>
[A minimum of 8 hours in either the ED or with an Ambulance Service is required - students can finish up their clinical requirement, after that, in either clinical]	
<b>EMT TOTALS [with clinicals]</b>	<b>252 hours</b>

**SEE STUDENT COMPETENCIES ON THE NEXT SEVERAL PAGES. ALL STUDENTS SHOULD ACCOMPLISH THESE SKILLS WITH 100% ACCURACY TO COMPLETE THIS COURSE!**

# OKLAHOMA EMT COMPETENCIES

<b>**Skill – Airway/Ventilation/Oxygenation</b>	<b>Date</b>	<b>Approved</b>
<b>*Blind Insertion Airway Devices (optional per protocols)</b>		
<b>Airway – Oral</b>		
<b>*Airway – Nasal</b>		
<b>Bag-Valve-Mask (BVM)</b>		
<b>Cricoid pressure (Sellick’s Maneuver – ALS assist only)</b>		
<b>Head tilt – Chin lift</b>		
<b>Jaw-Thrust</b>		
<b>Jaw-Thrust Modified (trauma)</b>		
<b>Mouth-to-Barrier</b>		
<b>Mouth-to-Mask (with one-way valve)</b>		
<b>Obstruction/FBAO – Manual</b>		
<b>*Oxygen tank use/Safety/Administration</b>		
<b>Oxygen Therapy – Nasal Cannula Non-rebreather Mask Partial rebreather mask Simple face mask Venturi Mask</b>		
<b>Automated transport ventilators (ATV) – (optional per protocol)</b>		
<b>Suctioning – Upper Airway Rigid Tip Flexible Tip</b>		
<b>*Pulse Oximetry</b>		
<b>*BiPAP / CPAP</b>		
<b>Demand valve (manual &amp; triggered) *PEEP – therapeutic</b>		
<b>*End tidal CO2 monitoring</b>		
<b>*Capnography – Wave form</b>		



<b>**Skill – Cardiovascular/Circulation</b>	<b>Date</b>	<b>Approved</b>
Cardiopulmonary Resuscitation (CPR)		
Defibrillation – Automated/Semi-automated		
Hemorrhage Control – Direct pressure		
Hemorrhage Control – Tourniquet		
Bandaging		
Shock Treatment		
Trauma Patient Assessment		
*Cardiac Monitoring (3 and 12 lead ECG application only)		
*Mechanical CPR device		
*Chest Injury treatments Blunt trauma Penetrating		
Abdominal injury treatments		
Nose bleeds		
Impaled objects		
<b>**Skill – Immobilization</b>	<b>Date</b>	<b>Approved</b>
Spinal Immobilization – Cervical Collar		
Spinal Immobilization – Long Board		
Spinal Immobilization – Manual		
Spinal Immobilization – Seated Patient (KED, etc.)		
Spinal Immobilization – Rapid manual Extrication		
Extremity stabilization – Manual		
Extremity splinting		
Splinting – traction		
Mechanical patient restraints		
Emergency moves for endangered patients		
Cervical Immobilization Device (CID)		
<b>**Skill – Medication Administration/Routes</b>	<b>Date</b>	<b>Approved</b>

<b>Assisting a Patient with His/Her Own Prescribed Medications (Aerosolized/Nebulized)</b>		
Aerosolized / nebulized (beta agent) (per protocol)		
Oral - Aspirin (per protocol)		
Oral – Glucose (per protocol)		
Auto-Injector (self or peer care) (per protocol)		
Auto-Injector (Epi - Patient’s own Prescribed Meds) (per protocol)		
*Nitro assist (patient’s own prescribed medication) (per protocol)		
<b>** Skill – IV Initiation / Maintenance of Fluids</b>		
*Intravenous – maintenance of non-medicated IV fluids		
<b>**Skill – Miscellaneous</b>	<b>Date</b>	<b>Approved</b>
Assisted delivery (normal childbirth)		
Assisted delivery (abnormal childbirth – breech, limb, etc.)		
Blood glucose monitoring		
Blood glucose automated		
Blood pressure – Manual		
Eye Irrigation		
Hand Washing		
Patient Assessment Primary Assessment Secondary Assessment		
History taking skills (SAMPLE, etc.)		
Vital Signs		
*Landing Zone (live helicopter lab recommended, but classroom portion required)		
Medical Assessment		
Lifting and Moving (optional) Urgent Non urgent		
Personal Protective Equipment/Body Substance Isolation Use		
Pre-hospital Stroke assessment		

E.V.O.C. (optional)		
<b>END OF SKILLS .....</b> <i>Please let OSDH-EMS know of any omissions or corrections needed for this document.  We want to review its accuracy and needed changes.</i> NOTES:		
COMMENTS [affective domain]		

**\*\*These SKILLS should include adult, child and pediatrics**

**\*These SKILLS are items added by the new National Educational Standard**

**NOTE: Many of these competencies are very broad and should be broken down into more specific or individual competencies for initial training purposes. For Example: Vital Signs should include, BP, pulse, respiration, skin color, pupils, etc.**