Williamsville Lion O&R EMT

# ORIGINAL & REFRESHER BASIC EMERGENCY MEDICAL TECHNICIAN COURSE

FALL 2015

Williamsville Fire Departments, Station 1, 5565 Main Street, Williamsville, NY 14221

INSTRUCTOR/COORDINATOR: Jim Lion, Jr.| MEDICAL DIRECTOR: GALE R. BURSTEIN, MD

REQUIRED TEXT: Brady Emergency Care, 13th Ed. ISBN-13:978-0-13-402455-4

| ONLINE REQUIREMENTS | Assignment of ICS 100, 700 and Hazardous Materials Awareness AWR 160 (done online, all three certificates due by 11/1/15 ) |
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| SESSION | Date | Topic | Hours | Topic Details |
|---|---|---|---|---|
| | | ***Section 1 -Preparatory*** | | |
| 1 - 9/14/15 | 6:30-10:30p | NYS Paperwork, E.M.T. Class Policies, Recert Challenge Exam | 1:00 | NYS Student App., ADA, Learning Contract, Class Policies |
| | | Intro. To Emergency Medical Services, | 2:00 | EMS Systems, Hx of EMS, Roles/Responsibilities, QA/QI, Patient Safety |
| | | Medical/Legal, Ethical, Confidentiality Issues, DNR/MOLST | 1:00 | Consent/Refusal of Care, Confidentiality, Advanced Directives, Tort/Criminal Actions, Evidence Preservation, Statutory Responsibilities, Mandatory Reporting, Ethical Principals, Moral Obligations |
| 1A - 9/15/15 | 7:00-10:00p | Recert. Challenge Practicals | 3:00 | Recert Challenge Practical |
| 2 - 9/17/15 | 7-10p | Workforce Safety and Wellness, Bloodborne Pathogens | 1:30 | Standard Safety Precautions, PPE, Stress Management, Prevention of work related injuries, Disease Transmission, Wellness Principals |
| | | Hazardous Materials Awareness | 1:30 | Hazard Identification and NRG Book, Secure the Scene, Upwind/Uphill Concept |
| 3 - 9/21/15 | 6:30-10:30p | The Human Body | 2:30 | Anatomy, Human System Function, pathophysiology |
| | | Life Span Development | 1:30 | Human Development as related to assessment and management of patients |
| 4 - 9/22/15 | 7-10p | Baseline Vital Signs, S.A.M.P.L.E. | 1:30 | Pulse Rate, Respiratory Rate, Blood Pressure, Skin Color/Temp., Pupil Reaction, Monitoring Equipment: Pulse Oximetry, Non-Invasive Blood Pressure Monitor |
| | | Lifting and Moving Patients | 1:30 | Lifting and Moving Patients |
| | | Lifting and Moving Patients (cont'd) | 1:00 | Lifting and Moving Patients |

| SESSION | Date | Topic | Hours | Topic Details |
|---|---|---|---|---|
| 5 - 9/24/15 | | Documentation and NYS PCR | 1:00 | Principles of medical documentation, medical terminology and report writing, NYS PCR |
| | 7-10p | ***Evaluation*** – Preparatory Section | 1:00 | **Evaluation of Preparatory materials** |
| 6 - 9/28/15 | 6:30-10:30p | BLS Healthcare Provider CPR; Evaluation CPR Practical Skills Exam and Written Exam | 4:00 | |
| 7 - 9/29/15 | | Effective CPR "*on the move!*", Written Exam | 2:00 | |
| | 7-10p | Emergency Medical Dispatch & 9-1-1 System | 1:00 | Team Communications and dynamics, Therapeutic Communications |
| 8 -10/1/15 | 7-10p | Erie County EMS Communications & the M.E.R.S. System | 3:00 | Local EMS Communication System, Communication w/ other healthcare professionals, |
| | | ***Section 2 - Pharmacology*** | | |
| 9 - 10/5/15 | 6:30-10:30p | Principles of Pharmacology | 4:00 | Fundamental review of medications an EMT may assist or administer during patient care, medication Safety, Drug Names, Drug Actions, Routes of Administration, Dosage, Side Effects, Indications, Contraindications |
| 10 - 10/6/15 | 7-10p | Administering Medications & Assisting Patients with Medications, A.L.S. assist, Blood Glucose, etc. | 3:00 | Epi Pens, Nitro, Aspirin, Oral Glucose, Albuterol, Emergency Inhaler, Glucose Monitoring |
| | | ***Section 3 - Patient Assessment*** | | |
| 11/10/5815 | | Scene Size-Up | 1:00 | Impact of Environment on patient care, address hazards, violence, specialized resources, standard precautions and multiple patient situations |
| | 7-10p | Primary Assessment | 2:00 | General impression, Level of Con. (AVPU), ABC's, Identify Life Threats, Assess Vital Functions, Procedures to Preserve Life |
| 12 - 10/12/15 | | History Taking, History Taking Scenarios | 2:00 | Determine Chief Complaint/Mechanism of Injury, Past Medical History, Signs/Symptoms, Pertinent Negatives |
| | 6:30-10:30 | Secondary Assessment | 2:00 | Systems: Respiratory, Cardiac, Neurologic, Musculoskeletal and Anatomical Regions |
| 13 - 10/13/15 | 7-10p | Practical Lab – Patient Assessment; Primary Assessment, History Taking, Secondary | 3:00 | |
| 14 - 10/15/15 | | ***Evaluations*** – Patient Assessment, Practical Skills | 2:00 | |
| | 7-10p | Patient Assessment, Written | 1:00 | |

| SESSION | Date | Topic | Hours | Topic Details |
|---|---|---|---|---|
| | | ***Section 4 - Airway Management*** | | |
| 15- 10/19/15 | 6:30-10:30p | Airway Management Lecture | 4:00 | Anatomy of Respiratory System, Physiology and Pathophysiology of breathing, Assessment of adequate/inadequate ventilation, Maintaining Airway, Mechanical/Artificial Ventilation, Oxygen administration |
| 16 - 10/20/15 | 7-10p | Practical Skills Lab – Airway: oral and nasal, oxygen admin.: partial & non-rebreather face mask, nasal cannula ,Venturi mask, BVM, mouth-to-mask w/ oxygen, suctioning, humidified oxygen, CPAP, demand valve | 3:00 | Review of devices specified in the schedule. |
| 17 - 10/22/15 | 7-10p | Practical Lab – Airway Skills | 3:00 | Practice with devices listed. (***except CPAP) |
| 18 - 10/26/15 | | ***Evaluations*** – Airway Management Practical Skills | 2:00 | Practice with devices listed above. |
| | 7-10p | Airway Management, Written | 1:00 | |
| | | ***Section 5 - Shock & Resuscitation*** | | |
| 19 - 10/27/15 | 6:30-10:30p | Shock & Hypoperfusion, BLS Resuscitation | 4:00 | |
| 20 - 10/29/15 | 7-10p | Practical Skills Lab – Sections 1,2,3,4, and 5 | 3:00 | |
| 21 - 11/2/15 | 7-10p | ***Evaluations*** – Scenario Testing - Skills Sections 1,2,3,4,and 5 both Written and Practical Skills Testing | 3:00 | |
| | | ***Section 6 - Medical*** | | |
| 22 - 11/2/15 | | Medical Overview | 1:00 | Pathophysiology, Assessment and Management of Medical Complaints, Transportation Decision/Mode, Destination Decision |
| | 6-10:30p | Respiratory Emergencies | 3:30 | Pathophysiology of Respiratory Emergencies, Physical Findings, Interventions |
| 23 - 11/5/15 | 7-10p | Cardiovascular Emergencies | 3:00 | Pathophysiology of Cardiovascular Emergencies, Physical Findings, Interventions |
| 24- 11/9/15 | 7-10p | Stroke / Transient Ischemic Attack (TIA) | 2:30 | Pathophysiology of Stroke Emergencies, Physical Findings, Interventions |

| SESSION | Date | Topic | Hours | Topic Details |
|---|---|---|---|---|
| 25 - 11/10/15 | 6:30-10:30p | Neurological / Behavioral / Endocrine Emergencies / Seizures / Altered Mental Status / Allergic reaction | 4:00 | Pathophysiology of the listed Emergencies, Physical Findings, Interventions |
| 26 - 11/12/15 | 7-10p | Hematological & Gastrointestinal & Renal Emergencies | 3:00 | Pathophysiology of the listed Emergencies, Physical Findings, Interventions |
| 27 - 11/16/15 | 7-10p | Toxicology & Immunological Emergencies | 3:00 | Pathophysiology of the listed Emergencies, Physical Findings, Interventions |
| 28 - 11/17/15 | 6:30-10:30p | Gynecological, Obstetrical & Neonatal Emergencies with Emergency Childbirth Skills Lab | 4:00 | Pathophysiology, Physical Findings, Interventions for OB/GYN/Childbirth Emergencies, Sexual Assault |
| 29 - 11/19/15 | 7-10p | ***Evaluation*** – Medical Emergencies Practical Skills Sect. 6 | 2:00 | |
| | | Medical Emergencies Written Evaluation | 1:00 | |
| | | ***Section 7 - Trauma*** | | |
| 30 - 11/23/15 | 6:30-10:30 | Trauma Overview / Bleeding / Soft Tissue Injuries | 2:00 | Trauma Score, Rapid Transport/Destination Determination, Bleeding, Bleeding Control |
| | | Abdomen & Genitourinary Trauma / Environmental | 2:00 | Pathophysiology of injuries to the Abdomen, Genitalia and Environmental Emergencies, Physical Findings, Interventions |
| 31 - 11/24/15 | 6:30-10:30p | Orthopedic Injuries & Practical Lab | 4:00 | Pathophysiology of injuries to the upper / lower extremities, Physical Findings, Interventions |
| 32 - 11/30/15 | 7-10p | Face & Neck / Chest / Head & Spine Injuries | 3:00 | Pathophysiology of injuries to the head, face, neck and spine, Physical Findings, Interventions |
| 33 - 12/1/15 | 7-10p | Head & Spine Injuries, Head & Spine Practical Lab | 3:00 | |
| 34 - 12/3/15 | 7-10p | Practical Skills Lab, Section 7 Trauma | 3:00 | |
| 35- 12/7/15 | 7-10p | Trauma Emergencies Practical Skills | 2:00 | |
| | | Trauma Emergencies Written Evaluation | 1:00 | |
| | | ***Section 8 - Special Patient Populations*** | | |
| 36 - 12/8/15 | 7-10p | Pediatric / Neonatal / Geriatric Emergencies / Patients with Special Needs / Review OB GYN | 3:00 | Pathophysiology, Assessment and management of trauma for the pregnant, pediatric, geriatric and cognitively impaired patient |
| 37 - 12/10/15 | 7-10p | ***Evaluation*** – Special Populations Practical Skills / Special Population Written Evaluation | 3:00 | |

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| | | ***Section 9 - EMS Operations*** | | |
| **38 - 12/14/15** | **7-10p** | Incident Management / Multiple Casualty Incidents (MCI) / Ground Ambulance Operation | **3:00** | Review Integration of Operation (ICS), Triage, Patient Destination during MCI, Ambulance operation, V&T Law |
| **39 - 12/15/15** | **7-10p** | Terrorism / Vehicle Extrication / HazMat | **3:00** | WMD Response, Force Protection, Vehicle Extrication, HazMat Review |
| | | Special Rescue | **2:00** | |
| **40 - 12/17/15** | **7-10p** | Air Medical | **1:00** | |
| **41 - 12/21/15** | **7-10p** | Extrication Scenarios Practical Lab | **3:00** | |
| **42 - 12/22/15** | **7-10p** | ***Evaluation*** – EMS Operations Practical Scenarios / EMS Operations Written Evaluation | **3:00** | |
| **43 - 12/28/15** | **7-10p** | Scenario Reviews | **3:00** | |
| | | ***Final Evaluations*** | | |
| **44 - 12/29/15** | **7-10p** | Scenario Review & Testing | **3:00** | |
| **45 - 1/4/16** | **7-10p** | Final Written Examination | **3:00** | |
| | | ***New York State E.M.S. Evaluations*** | | |
| **46 - 1/5/16** | **7-10p** | NYS Final Practical Skills Exam – Part I | **3:00** | |
| **47 - 1/7/16** | **7-10p** | NYS Final Practical Skills Exam – Part II | **3:00** | |
| **48 - 1/11/16** | **7-10p** | Optional – Review / NYS Final Practical Skills Exam | **3:00** | |
| **49 - 1/21/16** | **7-10p** | NYS Final Written Certification Examination | **3:00** | |

**Additional Requirements: 2 - 5 hour Observation experiences**

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| ***ONLINE REQUIREMENTS*** | Assignment of ICS 100, 700 and Hazardous Materials Awareness AWR 160 (done online, all three certificates due by 11/2/15) |

**Attendance is mandatory for all original students. This is a New York State requirement. There are no exceptions.**

**Highlighted sections required for all Recertification Students - no exceptions.**