COURSE CATALOG
Online and Classroom Continuing Education

The right experts. The right topics. The right ways to deliver training.
Online Education that works for EMS Providers and Firefighters

The Courses You Need
24-7 EMS offers over 100 EMS continuing education courses to help meet NREMT and state EMT renewal or recertification requirements. 24-7 Fire offers over 70 firefighter, fire inspector, and officer development courses to help meet professional development and ongoing training requirements.

Proven Learning Process
- Professionally produced, award winning videos feature nationally noted EMS and fire service subject matter experts
- Curriculums structured to maximize learning and retention with integrated video, learning objectives, scenario practices, and support material

Convenience of Online Training
- Front-line personnel can take courses online, on their schedules
- Online courses designed to make the best use of interactive video and other online learning tools
- Single access portal for individuals to all assigned courses and tasks
- Secure online examination with automated CECBEMS reporting
- Comprehensive online agency administration for scheduling, tracking, testing, and reporting

Flexibility for Classroom Instruction
- Stream course videos on-demand in the classroom (all 24-7 courses are also available on DVD)
- 24-7 online access to all classroom instructional materials including Course Guides with defined learning objectives and lesson plans, student handouts, and course exams
- Comprehensive online agency administration for scheduling, tracking, testing, and reporting

Course Content You Can Trust

24-7 EMS
- Ongoing updates ensure compliance with current EMS Educational Standards
- Courses accredited by Continuing Education Coordination Board for Emergency Medical Services (CECBEMS)
- Meet numerous regulatory requirements and quality assurance standards

24-7 Fire
- Ongoing updates ensure compliance with National Fire Protection Association (NFPA) training standards
- Courses follow OSHA, NIOSH, and CDC guidelines
- Meet numerous regulatory requirements and quality assurance standards

Call us at 888.240.4911 to discuss your online membership or DVD purchase plan.

Looking for courses to take on your own?
Individual online memberships are now available at www.24-7ems.com.
Quality

CECBEMS Accreditation
The Continuing Education Coordinating Board for Emergency Medical Services, or CECBEMS was chartered in 1992 by the following sponsoring organizations for the purpose of developing consistent criteria for the review and approval of EMS CE activities nationwide:

- National Registry of Emergency Medical Technicians – www.nremt.org
- National Association of Emergency Medical Services Physicians – www.naemsp.org
- National Association of State EMS Directors – www.nasemso.org
- National Council of State Emergency Medical Services Training Coordinators – www.naemt.org
- In 1998 the National Association of EMS Educators became a sponsoring organization – www.naemse.org
- In 2003 the American College of Osteopathic Emergency Physicians became a sponsoring organization – www.acoep.org

CECBEMS-approved courses meet national standards and are generally accepted nationally and by the National Registry of EMTs. Check with your state EMS agency to verify that CECBEMS approval will be accepted. With distributed learning and other types of CE, the CECBEMS activity number and approval statement means that the CE provider has made an effort to ensure that the product meets the criteria for quality educational design and for effective delivery.

Source: Continuing Education Coordinating Board for Emergency Medical Services (CECBEMS) FAQs; http://www.cecbems.org

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24-7 EMS Courses by Topic Area

Alphabetical Course Listings by Topic Area

**24-7 EMS**

Over 100 EMS continuing education courses to help you meet NREMT and state EMS renewal or recertification requirements.

### AIRWAY, BREATHING AND CARDIOLOGY
- Advanced Airway Management
- Airway Care
- Airway Management Essentials
- Carbon Monoxide Poisoning
- Chest Pain
- Code Management
- ECC Update: Adult & AED
- ECC Update: Pediatric/ PALS
- Geriatric Respiratory Emergencies
- Neonatal Care/Resuscitation
- Respiratory Emergencies: CPAP
- Sudden Cardiac Death
- Therapeutic Hypothermia

### ASSESSMENT
- Assessment: Medical Patient
- Capnography
- Field Triage Update
- 12-Lead Electrocardiogram (ECG)
- Geriatric Assessment
- Interpreting Vital Signs
- Medical Assessment
- Trauma Assessment

### MEDICAL EMERGENCIES
- Anaphylaxis
- Asthma
- Bariatric Patient: Care & Transport
- Behavioral Emergencies: Excited Delirium
- Cold Weather Emergencies: Hypothermia
- Cyanide Poisoning
- Diabetic Emergencies
- Extreme Heat Emergencies
- Geriatric Behavioral Emergencies
- Geriatric Poisonings
- Heart Failure
- Medical Assessment: Syncope
- Renal Failure: Acute *(New)*
- Renal Failure: Chronic *(New)*
- Seizures

### STEMI Care
- Street Drugs
- Stroke
- Summer Emergencies

### OBSTETRICS AND PEDIATRICS
- Obstetrics/Childbirth *(Newly Revised)*
- Pediatric Airway Management
- Pediatric Assessment
- Pediatric Behavioral Emergencies: Autism (ASD)
- Pediatric Emergencies: Burns
- Pediatric Poisoning
- Pediatric Respiratory Emergencies
- Pediatric Trauma
- Pregnancy: Medical Emergencies

### SIDS & EMS

### OPERATIONAL TASKS
- Assault Victim Care
- Deaf and Hard of Hearing: Response Awareness
- Domestic Violence
- Lifting & Moving
- Social Media & EMS

### PREPARATORY
- Agricultural HazMat: EMS Response
- Air Medical Transports
- Bloodborne Pathogens
- Communicable Diseases: Childhood & Travelers
- Critical Decision Making
- DMAT & Mass Gathering Medicine
- Emergency Driving
- Emergency Vehicle Operations
- EMS Flood Response
- Entrapped Patients
- Extended Patient Care Transports
- HazMat: EMS Response
- IMS for EMS
- Infection Control: MRSA
- Infectious Disease Update & Personal Protection
- Intraosseous Vascular Access
- Managing Multiple Patients: EMS Operations
- MCI Management: Transportation Group
- Medication Errors & Equipment Failures
- NIMS: The Role of EMS
- Pain Management
- Patient Refusal
- Rehab: The Role of EMS
- Report Writing
- Responder Wellness and Fitness
- Risk Management: Refusals & Abandonment
- Safety: Responder Respiratory Protection & SCBA
- Scene Safety
- Scene Safety: Meth Labs
- Tactical EMS
- Terrorism: EMS Readiness
- Triage
- Water Rescue Considerations for EMS

### TRAUMA
- Abdominal Trauma
- Blunt Chest Trauma
- Bomb Blast Injuries
- Burns: Thermal
- Combat-Related TBI
- Crush Injuries
- Electrical Injuries
- Extreme Sports Injuries: Extremity Trauma
- Extrication & Patient Packaging
- Facial Injuries
- Geriatric Trauma: Hip Injuries
- Head Injuries
- Mechanism of Injury
- Musculoskeletal Emergencies
- MVC Management
- Penetrating Trauma: GSW
- Spinal Injuries
- Sports Injuries
- Tourniquets & Hemorrhage Control
- Trauma During Pregnancy
Airway, Breathing and Cardiology

Advanced Airway Management

This program discusses the advantages of using advanced airways and the downside of these devices when used inappropriately or placed incorrectly. Signs and symptoms of inadequate breathing are reviewed, as is the anatomy and physiology of the airway, proper BVM technique, and the various types of airway adjuncts.

Featuring: Ed Racht, MD, Medical Director, Austin/Travis County EMS, Texas
1.0 CEH

Airway Care

If a patient isn’t breathing, they are dying. Airway care is critical, yet it is the most failed skills test in the National Registry of EMT testing. Course offers in-depth review of airway care skills, featuring demonstration of a variety of artificial ventilation techniques.

Featuring: Joe Mistovich, M. Ed., NREMT-P, Professor, Youngstown State University, Ohio
1.0 CEH

Airway Management Essentials

This course reviews thorough assessment of airway viability, adverse conditions that may occur during emergency treatment for essential airway intervention, as well as proper techniques for the various adjuncts available to maintain an open airway. Also discussed is the need to avoid invasive tools when a lesser tool will do the job equally well without the risk of complication.

Featuring: Shaun Fix, EMT-P Emergency Medical Consultants, Inc. Port St. Lucie, Florida
1.0 CEH

Carbon Monoxide Poisoning

CO poisoning is an occupational hazard for EMS and firefighters, resulting in 6,000 fatalities every year. The course reviews scene safety, when to suspect CO poisoning, physical signs and symptoms, care and treatment of CO poisoning.

Featuring: Jim Augustine, MD, Medical Director of Atlanta Fire
Can also apply to: Medical Emergencies, Operational Tasks
1.0 CEH

Chest Pain

The structure and function of the cardiovascular system, important signs and symptoms of chest pain, non-cardiac conditions that mimic coronary events, and emergency treatment are all covered. Examine the ways that women present with chest pain, the value of good history taking, and importance of aspirin and 12-lead monitoring in the pre-hospital setting.

Featuring: William Brady, MD, FACEP – University of Virginia Health System, Department of Emergency Medicine, Charlottesville, Virginia
Can also apply to: Medical Emergencies
1.0 CEH

Code Management

Effective code management in a Sudden Cardiac Arrest (SCA) incident depends on the expedient administration of care by a highly skilled team of rescuers working together as a team. While EMS professionals are knowledgeable of the mechanics of managing a code, it is important that responders also understand and implement effective leadership and teamwork skills, which ultimately improve outcomes for cardiac arrest patients. This course reaffirms the skills and tools used in resuscitation efforts, and focuses on the team-based approach to improve resuscitation performance and yield better patient outcomes.

Featuring: Jon Politis, MPA, NREMT-P, Chief (retired) of Colonie EMS Department, Latham, New York
Can also apply to: Medical Emergencies
1.0 CEH

ECC Update: Adult & AED

New guidelines are developed and implemented for adult and pediatric resuscitation every five years. The most current guidelines were issued in 2010. This program is designed to educate professional responders on the updated guidelines for resuscitation.

Featuring: Dr. Gregory Ciottone, Emergency Physician, Beth Israel Deaconess Medical Center, Boston, Assistant Professor of Medicine, Harvard Medical School
Can also apply to: Medical Emergencies
1.0 CEH
ECC Update: Pediatric / PALS
Every five years a new set of guidelines are developed and implemented for adult and pediatric resuscitation. In 2010 the newest guidelines were released. This program is designed to inform the participant of the updated guidelines on resuscitation as a professional responder on pediatric changes.

Featuring: Dr. Gregory Ciottone, Emergency Physician, Beth Israel Deaconess Medical Center, Boston, Assistant Professor of Medicine, Harvard Medical School
Can also apply to: Pediatrics
1.0 CEH

Geriatric Respiratory Emergencies
This program reviews the importance of recognizing a variety of chronic and acute conditions that can lead to respiratory emergencies, and how to deliver prompt, appropriate care. Discusses signs, symptoms, and assessment techniques, as well as improvements in care, including the use of CPAP.

Featuring: Twink Dalton, RN, MS, CNS, NREMT-P
Mountain View fire Protection District Longmont, Colorado
Can also apply to: Medical Emergencies
1.0 CEH

Neonatal Care/Resuscitation
Preparing for resuscitative efforts saves precious time and makes a critical difference when complications arise. Video from unassisted home and hospital births illustrates the five critical steps of care for newborns, reviews neonatal resuscitation, special considerations for meconium-stained babies, and premature infant care.

Featuring: Shaun Fix, RPM, NREMT-P
Can also apply to: Obstetrics and Pediatrics
1.0 CEH

Respiratory Emergencies: CPAP
CPAP—Continuous Positive Airway Pressure—provides a non-invasive method that helps alleviate symptoms, improve breathing, and provide the patient with additional time to obtain advanced care. Learn how CPAP works, the indications and contra-indications of use, and how to apply it in the field.

Featuring: Paul Werfel, NREMT-P, Paramedic Course Director and Associate Professor of Clinical Emergency Medicine, SUNY at Stony Brook, New York
Can also apply to: Medical Emergencies
1.0 CEH

Sudden Cardiac Death
Sudden cardiac death (SCD) accounts for approximately 5% of all deaths. This program will discuss the circumstances surrounding SCD, contributing factors, and methods to reduce the risk of SCD, as well as how the EMS professional assesses a patient who has died.

Featuring: Mike McEvoy, PhD, NREMT-P, RN, CCRN; Saratoga County, New York
Can also apply to: Medical Emergencies
1.0 CEH

Therapeutic Hypothermia
This program explains the effects of a cardiac event on the body and how the induction of hypothermia can reduce the damaging effects of the chemicals that are released after a cardiac event. Reviews the effects of therapeutic hypothermia, the pre-hospital challenges of implementation, and indications for use.

Featuring: Paul Satterlee, MD FACEP Medical Director Allina Medical Transportation Minneapolis, Minnesota
Can also apply to: Medical Emergencies
1.0 CEH

Assessment
Assessment: Medical Patient
History and assessment on scene are critical to the emergency department treatment the patient will receive. Patient assessment process using SAMPLE and OPQRST are modeled.

Featuring: Walt Stoy, PhD, University of Pittsburgh
1.0 CEH

Capnography
Capnography is a technology that provides a graphic picture and an objective measure of a patient’s ventilatory status. While not a new technology, capnography is a hot topic now because of its reference in the International Liaison Committee on Resuscitation (ILCOR) Guidelines, and more states are requiring it as part of their intubation protocol. This course provides an overview of the intubated uses of capnography, a summary of the use of capnography in the treatment of asthma, and an in-depth presentation of the less common, non-intubated uses of capnography.

Featuring: Troy Smith, LPN, NREMT-Paramedic, AS, Snohomish, WA
Can also apply to: Airway, Breathing and Cardiology, Medical Emergencies
1.0 CEH
**Field Triage Update**

Field triage is a decision scheme for assessing and selecting a transport destination for individual trauma patients. The decision making process is based on a document released by the Centers for Disease Control and Prevention (CDC) called “Guidelines for Field Triage of Injured Patients.” This program reviews the recommendations of the guidelines and the changes in field triage.

*Featuring: Dr. John McManus, Director at the Center for Pre-Deployment Medicine for the US Army at Fort Sam Houston, Texas.*

*Can also apply to: Trauma*

1.0 CEH

**12-Lead Electrocardiogram (ECG)**

In current EMS practice, paramedics and nurses are now expected to be able to use the 12-lead ECG for early recognition of ST elevation myocardial infarction (STEMI) and then fast track patients for immediate physician review and treatment. This course reviews the importance of 12-Lead ECGs, how to correctly apply the chest and limb electrodes for an accurate reading, and an update on best practices. Also covered are the most frequently encountered errors of 12-Lead ECGs, the importance of obtaining a 12-Lead with an emphasis on ST-elevation recognition, capturing clear ECGs for analysis, and reducing false positives and STEMI imitators.

*Featuring: Tim Phalen, Author and Educator, ECG Solutions Inc.*

1.0 CEH

**Geriatric Assessment**

This program will help EMS providers understand the physiological and psychological differences among the geriatric population and provide an EMS responder with a foundation for developing effective communication and assessment tools in order to provide quality patient care.

*Featuring: Christopher Shane Henderson, B.S., FF/EMT-P.*

1.0 CEH

**Interpreting Vital Signs**

By correctly interpreting vital signs, the EMS professional can identify life-threatening emergencies, predict the severity of a patient’s hemodynamic state, determine treatment, and correctly monitor the overall condition of the patient. This course reviews the importance of assessing and interpreting the vital signs and how to use these findings to improve the quality of patient care.

*Featuring: Anthony Tedesco*

1.0 CEH

**Medical Assessment**

Proper assessment of a medical patient is an essential skill for all EMS responders. As an emergency responder, your goal is to conduct a medical assessment in a thorough and methodical way to ensure that critical care aspects are not missed. This program focuses on the importance and process of using a systematic approach to primary assessments, secondary assessments, and reassessments. The process of conducting a thorough scene survey prior to assessment is also reviewed.

*Featuring: Dan Limmer, EMT-P*

1.0 CEH

**Trauma Assessment**

Trauma assessment is a critical skill for all EMS responders. This course reviews the importance and basic steps of a systematic approach to primary, secondary, and isolated injury trauma assessments. The process of conducting a thorough scene size-up prior to assessing for trauma is also reviewed.

*Melanie Miller MSN, RN, CCRN,NREMT-P, NCE Department Chair EMT programs Anne Arundel Community College*

1.0 CEH

**Medical Emergencies**

**Anaphylaxis**

Anatomy and physiology of the body’s immune response to antigens. Signs, symptoms, and treatments for allergic reactions and critical on-scene history and assessment. Epinephrine and albuterol use for allergic reactions is discussed, as is the importance of airway management.

*Featuring: Gordon Kokx, BS, NREMT-P, Associate Professor, College of Southern Idaho*

1.0 CEH

**Asthma**

An estimated 26 million Americans suffer from asthma and three to four thousand people die from complications of this disease every year. This course describes how to identify, diagnose, and respond to asthma in a pre-hospital setting, with a focus on the treatment of asthma patients who are experiencing an acute and life-threatening attack.

*Featuring: Jon Politis, MPA, NREMT-P, Chief (retired) of Colonie EMS Department, Latham, New York*

1.0 CEH
Bariatric Patient: Care & Transport
This program illustrates the assessment, treatment, and transport of a morbidly obese patient. Morbidly obese patients often suffer from multiple health concerns; assessments can be complex and may need to be modified. It is important for EMS not to get caught up in the operational aspects of transport and to remember these patients need care and respect.

*Featuring: Richard Beebe, M.ED, RN, NREMT-P, Assistant Professor at SUNY in Cobleskill, New York
Can also apply to: Operational Tasks, Trauma
1.0 CEH

Behavioral Emergencies:
Excited Delirium
Excited delirium is a serious medical condition that is often fatal. It is critical that EMS providers know how to recognize excited delirium from other behavioral emergencies. These patients require immediate medical interventions; prolonged struggles can have serious consequences. A discussion of Taser use, patient positioning, and assessment and treatment of a patient is reviewed.

*Featuring: Dr. Keith Wesley, MD, FACEP, Medical Director for the Health East Care System in St. Paul, Minnesota
1.0 CEH

Cold Weather Emergencies: Hypothermia
Cold weather emergencies can affect victims at any time during the year. A decrease in body temperature will have the same effect whether it is mid-January or mid-July. Providers should familiarize themselves with different cold dangers, the signs and symptoms of hypothermia, and the consideration for hypothermia depending on the current environment or situation.

1.0 CEH

Cyanide Poisoning
Cyanide poisoning is an occupational hazard for EMS responders and firefighters. Patient outcome is improved by rapid assessment and administration of an antidote. This course reviews smoke composition, inhalation-type injuries, and the effects of cyanide on the system. Signs and symptoms of cyanide depend on the concentration of the gas and exposure time.

*Featuring: Jeffrey Bruggeman, NREMT-P
Can also apply to: Trauma
1.0 CEH

Diabetic Emergencies
Diabetes is a metabolic disease in which the body either fails to produce insulin, or cannot use insulin effectively to process sugar. The result is that excess sugar or glucose will circulate in the blood and can cause damage to vital organs like the heart and kidney. Diabetes can also exacerbate other disease processes, causing complications for the patient. An estimated 26 million Americans have diabetes and over 70 million display symptoms of a pre-diabetic condition. The focus of this program is the role of the EMS responder in identifying and managing a diabetic patient in a prehospital setting.

*Featuring: Angel Clark Burba, MS, NRP
1.0 CEH

Extreme Heat Emergencies
This course illustrates classic and exertional heat stroke, reviewing the signs, symptoms, and treatments of a variety of heat-related illnesses. Includes a review of the physiological effects of heat and the four methods of heat transfer from the body.

1.0 CEH

Geriatric Behavioral Emergencies
Successful care of the elderly requires differentiating between acute and chronic problems. Medical problems such as medication use, misuse, or interactions often present as behavioral problems. This course reviews key considerations in treating geriatric patients.

1.0 CEH

Geriatric Poisonings
Increased medical resources, new and improving pharmaceuticals, and an increasing elderly population mean EMS professionals have a greater opportunity to respond to a geriatric patient experiencing adverse affects from medications. Knowing how to evaluate the scene, as well as understanding the psychological and physiological changes of aging and the interactions of medications, will provide a solid foundation for dealing with a geriatric patient who is experiencing an overdose, whether accidental or intentional.

*Featuring: Lisa Booze, Pharm-D, CSPI Clinical Coordinator Maryland Poison Center University of Maryland School of Pharmacy
1.0 CEH
Heart Failure

The term “Heart Failure” is now replacing the once commonly used “Congestive Heart Failure,” or “CHF.” This program outlines the stages and classifications of heart failure and reminds us that the signs and symptoms are many, and will vary in degree and severity. The program also reviews the disease process and the types of commonly prescribed medications.

Featuring: Mike McEvoy, PhD, NREMT-P, RN, CCRN, Saratoga County, New York
Can also apply to: Airway, Breathing and Cardiology
1.0 CEH

Medical Assessment: Syncope

Emphasizes the significance of syncopal episodes as first and only warning signs for very serious causes—the four most common are reviewed. History and on-scene assessment are often the most critical information that emergency departments receive.

Featuring: William Raynovich, Director of EMS Education, Creighton University, Omaha, Nebraska
Can also apply to: Assessment
1.0 CEH

Renal Failure: Acute (New)

Acute renal failure (ARF) is a life-threatening condition that can develop in a matter of hours or days. Fortunately, with appropriate and rapid treatment, it is reversible. As an EMS provider, you can help to improve outcomes for patients with acute renal failure with early recognition and treatment. This program reviews the basic anatomy and function of the kidneys, what causes acute renal failure, and care to provide in a prehospital environment.

Featuring: Kevin T. Collopy, BA, FP-C, CCEMT-P, WEMT, NRP Education Coordinator Airlink, & Vitalink Critical Care Transport New Hanover Regional Medical Center Wilmington, North Carolina
1.0 CEH

Renal Failure: Chronic (New)

Chronic renal failure is a condition that affects nearly all the systems in the body. Patients with chronic kidney disease or end-stage renal disease can experience many different types of complications that are caused or exacerbated by renal failure. As an EMS provider, a basic understanding of chronic renal failure and its causes can help you to better recognize and provide care for these related complications. This program reviews the growing rate of renal failure incidence, how renal failure occurs, how to recognize renal failure, complications related to dialysis, other illnesses related to chronic kidney disease or end-stage renal disease, and care to provide in a prehospital environment.

Featuring: Kevin T. Collopy, BA, FP-C, CCEMT-P, WEMT, NRP Education Coordinator Airlink, & Vitalink Critical Care Transport New Hanover Regional Medical Center Wilmington, North Carolina
1.0 CEH

Seizures

Most seizures are symptoms of an underlying problem. In this course, different types of seizures are reviewed as well as their signs, symptoms, and unique characteristics. Discusses the importance of a thorough assessment and history of a seizure patient, explains that seizures in children are an indication of a possible life-threatening infection.

Featuring: Dave Page, MS, NREMT-P, Emergency Health Services faculty, Inver Hill Community
1.0 CEH

STEMI Care

This course reviews assessing objective data in a cardiac emergency such as vital signs, the events of the current complaint, and the ECG findings, as well as evaluating the complaint, gathering objective data, and analyzing the situation. Prepares EMS personnel to recognize a STEMI and formulating a care plan to effectively reduce patient morbidity and mortality.

Featuring: Michael L. Wallace, MPA, EMTP, CCEMT-P, EMS Division Captain Central Jackson County Fire Protection District Blue Springs, Missouri
Can also apply to: Airway, Breathing and Cardiology
1.0 CEH

Street Drugs

Identify signs, symptoms, and best practices for treating drug overdoses. Course reviews required care, treatment, and intervention. Learn about commonly misused drugs, safety concerns for EMS providers, and toxicodromes that may indicate substances used by patients.

Featuring: Wendy Klein-Schwartz, MD, Maryland Poison Center and University of Maryland, School of Pharmacy
1.0 CEH
24-7 EMS Courses by Topic Area

**Stroke**

Stroke is challenging to identify and delay in treatment can result in permanent brain damage, paralysis, and death. This course presents a case study of a stroke and important tools for the field, including The Cincinnati and LA Stroke Scales are explained.

*Featuring: Eric Beck, DO, EMT-P, CCEMT-P; Medical Director, Chicago EMS and Assistant Professor, Assistant Residency Director, University of Chicago, Section of Emergency Medicine*

1.0 CEH

**Summer Emergencies**

Heat emergencies, signs, symptoms, and treatment, as well as differences between hyper-sensitivity and allergic reactions due to bites or stings are reviewed. Course explores drowning and near-drowning emergency care, importance of rescuer safety, how to differentiate between heat exhaustion and heat stroke, and emergency treatment for bites and stings.

*Featuring: Jeff Lindsey, PhD, EMT-P, 24-7 EMS Education Coordinator*

1.0 CEH

**Obstetrics & Pediatrics**

**Obstetrics/Childbirth (Newly Revised)**

Encountering a pregnant patient during an EMS call is common for many responders. But while contact with pregnant patients is frequent, it is less common for a prehospital provider to assist with delivery and resuscitation of an infant or postpartum care for a mother. The infrequency of this type of call, combined with the emotional high stakes related to the outcome, makes many providers anxious when responding to a patient who is in labor. This program reviews the physiology of a pregnant patient; the birth process; the challenges a provider may encounter during labor and delivery; and the care a provider should be prepared to administer to a newborn.

*Featuring: Sondra Epley RN/Flight Nurse*

1.0 CEH

**Pediatric Airway Management**

Low volumes of pediatric patients and lack of experience make sick children some of the most anxiety-provoking patients for EMS responders. This course provides an overview of pediatric respiratory anatomy and physiology, emphasizes the importance of Basic Life Support (BLS) airway support and management, demonstrates how to differentiate among the most common airway problems, and uses clinical experience to explain how common pediatric respiratory issues can be better assessed in the field. In addition, the course provides tools for EMS responders to properly assess even the most uncooperative and agitated young child.

*Featuring: Morgen Bernius, MD MS, FACEP, FAAP Franklin Square Hospital, Baltimore, MD*

Can also apply to: Airway, Breathing and Cardiology

1.0 CEH

**Pediatric Assessment**

The assessment and treatment of children must be modified and specific considerations must be given to their unique anatomy and physiology. The developmental ages of children are presented along with how to approach each stage for the best outcome.

*Featuring: Dr. David Markenson, Brady – Pediatric Prehospital Care*

1.0 CEH

**Pediatric Behavioral Emergencies: Autism (ASD)**

One of every 150 children born today will have some form of autism. It’s important that all EMS responders are familiar with neurological emergencies, understand the complexity of these illnesses, and can recognize the signs and symptoms of ASD and PDD. Assessment and treatment techniques need to be modified to deliver successful and appropriate care.

*Featuring: Ralph Carrasquillo, Firefighter/paramedic, San Diego Fire*

1.0 CEH

**Pediatric Emergencies: Burns**

This course prepares EMS providers for the possibility of caring for and treating a pediatric burn patient through review of anatomy, current treatment theory, identifying appropriate hospitals, and includes coaching on how to mentally prepare for the child and family.

*Featuring: Scotty Bolleter, BS, EMT-P Director of Education San Antonio AirLife San Antonio, Texas*

1.0 CEH
24-7 EMS Courses by Topic Area

Pediatric Poisoning
As an EMS provider called to a possible pediatric poisoning, you will encounter many unknowns. Did the child come in contact with a harmful substance, and if so, what kind and how much? You cannot predict the signs and symptoms you will encounter, but you can prepare for a pediatric poisoning call by practicing how to gather information from the scene and by reviewing basic supportive care for pediatric patients. This program reviews important aspects of supportive care for pediatric poisoning and the role that you play in providing key information to the receiving hospital. The emphasis of this program is on the importance of obtaining critical information from the scene, assessing a pediatric patient, and providing supportive care.

Featuring: Morgen Bernius, MD MS, FACEP, FAAP
1.0 CEH

Pediatric Respiratory Emergencies
Treatment techniques need to be modified according to the child’s age. Course reviews common childhood respiratory illnesses, signs and symptoms of respiratory compromise, assessment, and treatment. Pediatric bag valve mask technique is demonstrated.

Featuring: Jayd Swendseid, FF/EMT-P, PALS instructor, Los Angeles County Fire Department. Dr. David Markenson, Brady – Pediatric Prehospital Care
1.0 CEH

Pediatric Trauma
This course reviews common types of pediatric trauma, the importance of early recognition of injuries and rapid treatment, and emphasizes the need to understand the differences in pediatric anatomy in order to adjust assessment techniques.

Featuring: Connie Mattera, MS, RN, EMT-P, EMS, Northwest Community Hospital, Chicago
1.0 CEH

Pregnancy: Medical Emergencies
Pregnancy and childbirth are natural events; however, even with improved prenatal care, complications can occur. Medical challenges result from increased blood volume and cardiac output, fluid retention, and hormonal changes. Prompt recognition of the common potentially life-threatening medical emergencies for pregnant patients can decrease maternal and infant mortality. This course provides a solid overview of the medical aspects and treatment of these emergencies in the pre-hospital setting.

Featuring: Melanie Miller, MSN, RN, CCRN, NREMT-P, NCE, Department Chair EMT programs, Anne Arundel Community College, Maryland.
1.0 CEH

SIDS & EMS
Sudden, unexplained infant death is a challenging call. This course provides EMS responders with a solid knowledge of the causes and misconceptions about SIDS, discusses the role of EMS at the scene of a sudden unexplained infant death, gathering detailed information about the death and scene-evidence preservation.

Featuring: Deborah Robinson, Infant Death Specialist from the SIDS Foundation of Washington
1.0 CEH

Operational Tasks

Assault Victim Care
This course reviews the importance of scene safety, preservation of evidence, thorough documentation, special transport considerations, and assessment and communication techniques with an emphasis on how to provide psychological first aid to patients who have suffered assault or rape.

Featuring: James J Augustine, MD
Can also apply to: Trauma
1.0 CEH

Deaf and Hard of Hearing: Response Awareness
This program discusses challenges to EMS providers when responding to incidents involving patients who are deaf or hard of hearing. Methods of communicating with the patient for assessment and treatment are reviewed.

Featuring: Neil McDevitt, Program Director, CEPIN-TDI
Can also apply to: Preparatory
1.0 CEH

Domestic Violence
Domestic violence can occur in any type of relationship, age range, ethnic background, or economic level, and can be directed towards women or men. This course reviews the appropriate EMS response to calls involving abuse, including the importance of understanding the history of underlying oppression, the frequency and severity of occurrences, and an awareness that they themselves are not immune to the effects of an abusive situation.

Featuring: Bryan E. Bledsoe, DO, FACEP, FAEM
Clinical Professor of Emergency Medicine University of Nevada School of Medicine Department of Emergency Medicine University Medical Center of Southern Nevada Las Vegas, Nevada
Can also apply to: Preparatory
1.0 CEH
**Lifting & Moving**

This course reviews steps for safe lifting and moving. Power lifts, squat lifts, and power grips are defined and demonstrated. Patient-moving devices and three types of emergency moves are reviewed and demonstrated. The course re-emphasizes the importance of good physical fitness and conditioning, as well as the use of good body mechanics to prevent injury.

*Can also apply to: Preparatory*

1.0 CEH

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**Social Media & EMS**

Social media in its various forms has quickly become part of everyday life. Posting, tweeting, and pinning online have become as commonplace as emailing or talking on the phone. While EMS organizations can use social media to their advantage as a recruiting tool or a way to disseminate valuable life-saving information to the community, there can be downsides to its use by individual providers. This program explains how the improper use of social media can negatively affect EMS providers and organizations, outlines social media best practices for EMS professionals, and reviews guidelines for assessing or creating a fair and effective social media policy.

*John K. Murphy, PA-C, JD, MS, EFO*

1.0 CEH

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**Preparatory**

**Agricultural HazMat: EMS Response**

Agricultural chemicals are used every day in the production of food and to raise livestock. Such chemicals appear in an expanding variety of settings and may be difficult to recognize or identify. This course helps EMS responders understand the increasing risk of encountering unidentified agricultural hazardous materials in any response setting. The course also reviews types of agricultural chemicals, reactions to exposures, decontamination procedures, treatment methods, and personal protection.

*Featuring: Rob Schnepp — Special Operations Chief, Alameda County Fire Department*

1.0 CEH

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**Air Medical Transports**

This course helps ground providers consider all objective information when deciding to utilize an air medical transport service, including ensuring the safety of the ground crew, the flight crew, and the patient during landing, transferring, and transporting.

*Featuring: Barbara Maher, RN, EMT-P, FPC, MS (Paramedic, Flight Paramedic, and Nurse), University of Maryland Medical Center, University of Maryland ExpressCare Critical Care Transport Team, and Military Reserve Officer*

*Can also apply to: Operational Tasks*

1.0 CEH

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**Bloodborne Pathogens**

Course reviews bloodborne diseases, modes of transmission, areas of risk, and safe work practices. Areas of risk in EMS and importance of “task-based” use of personal protective equipment when risks are identified. Satisfies bloodborne pathogens standards refresher requirements from OSHA.


1.0 CEH

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**Communicable Diseases: Childhood & Travelers**

The spread of disease is not new, but how we handle the outbreaks and the spread of diseases is critical. EMS providers are in a unique position to be among the first to recognize patterns or trends of illnesses in the community, and to help prevent a larger outbreak of a communicable disease. The current influenza threat from the H1N1 virus is reviewed.

*Featuring: Katherine West, BSN, MSEd, CIC, Infection control expert. Robert Waddell, Current Vice President - Sacco Triage System Cheyenne, Wyoming*

1.0 CEH

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**Critical Decision Making**

This course reviews the components of good decisions and how critical decision making can be improved. Discusses the role of knowledge, education, and experience in improved decisions. This skill improves over time with the support of mentors and preceptors. When errors occur, they must be used to learn and improve decision making.

*Featuring: Ed Racht, M.D., Medical Director, Austin-Travis County EMS, Texas*

*Can also apply to: Operational Tasks*

1.0 CEH
24-7 EMS Courses by Topic Area

DMAT & Mass Gathering Medicine
Course discusses the role of Disaster Medical Assistance Teams (DMAT) and Urban Search and Rescue (US&R) teams in responding to disasters. The history of the National Disaster Medicine System (NDMS) is reviewed. Medical services at mass gatherings are examined.

Featuring: Dustin Shelhamer, EMT-P, Texas 1 DMAT
Can also apply to: Operational Tasks
1.0 CEH

Entrapped Patients
Entrapped patients present unique challenges. This course focuses on the basics: scene safety, establishing medical command, patient care, adapting your assessments, and calling for resources before you need them.

Featuring: Ed Dickinson, MD, NREMT-P, Director of EMS Field Operations, University of Pennsylvania Hospital
Can also apply to: Operational Tasks
1.0 CEH

Emergency Driving
Potential hazards, greatest risks, and misconceptions about safe driving are identified. Black box technology, driving simulators, and vehicle cameras explained. Learn how to create a culture of safety within an organization.

Featuring: Richard Patrick, MS, EMT-P, Department of Homeland Security
Can also apply to: Operational Tasks
1.0 CEH

Emergency Vehicle Operations
Safe driving techniques, common causes of accidents, and ways to improve your skills are highlighted. When responding in emergency mode, personnel must drive with “due regard” and operate within state laws regarding emergency vehicle response. An operator of an emergency vehicle is responsible for the safety of themselves, the crew, and the patient.

Can also apply to: Operational Tasks
1.0 CEH

EMS Flood Response
Floods are a leading cause of death from natural disasters. Flooding can also occur from man-made activities such as a ruptured water main. This program will identify various situations involving flooding and discuss the variety of injuries EMS personnel may encounter. Flood response safety will be emphasized throughout the course.

Featuring: Glenn Luedtke, NREMT-P Director (Retired) Sussex County (DE) EMS
Can also apply to: Operational Tasks
1.0 CEH

Extended Patient Care Transports
Extended patient care refers to managing the overall safety and well-being of a patient when there is a longer-than-expected transport time involved in transferring a patient from the scene of a medical emergency or traumatic injury to a definitive care facility. During an extended transport, patient care and comfort is a dynamic process, and requires ongoing observation and adjustment to ensure the patient’s continued well-being and safety. This course defines the techniques to follow in applying care and treatment protocols in order to ensure the patient’s maximum comfort and safety and improve patient outcomes.

Featuring Kevin T. Collopy, BA, FP-C, CCEMT-P, WEMT
1.0 CEH

HazMat: EMS Response
Course reviews EMS duties at HazMat incidents, training needs, decontamination preparation, PPE levels, and patient treatment.

Featuring: Phil Currance, Deputy Commander for the Department of Homeland Security, and Central National Medical Response Team for WMD
Can also apply to: Operational Tasks
1.0 CEH

IMS for EMS
What do you do when a large-scale disaster occurs? How do you manage 150 patients? How about 10 patients? This course presents an overview of the Incident Management System, introduces NIMS (National Incident Management System), and provides details of EMS responsibilities in disaster responses.

Featuring: Marv Wayne MD, Medical Director Bellingham/Whatcom County EMS
Can also apply to: Operational Tasks
1.0 CEH
Infection Control: MRSA

The program reviews signs, symptoms, and treatment of MRSA, risk factors in the environment, and outlines the various levels of cleaning, disinfecting, and decontamination that are necessary. The importance of infection control guidelines and the necessity of performing routine cleaning after every patient transport are discussed.

Featuring: Katherine West, BSN, MSEd. CIC, Infection control expert
1.0 CEH

Infectious Disease Update & Personal Protection

Signs and symptoms associated with bloodborne and other communicable diseases are reviewed. Course covers the latest on hepatitis B and C, as well as the effects of the universal hepatitis B vaccine on healthcare workers. MRSA, the H1N1 virus, HIV, and how to protect yourself from exposure are included. Post-exposure care, follow up, and the Ryan White Care Act are emphasized.

Featuring: Katherine West, BSN, MSEd, CIC, Infection control expert
1.0 CEH

Intraosseous Vascular Access

Although the most familiar approach to vascular access is the intravenous catheter or IV, the most seriously ill or injured patient often has little or no peripheral circulation allowing for rapid IV access. Fortunately, there is another option: intraosseous (IO) access and infusion. This course provides the guidelines for the proper use of IO devices, outlines the indications and contraindications of IO, and demonstrates why IO can be a viable alternative to IV in an emergency situation.

Featuring: Scotty Bolleter, BS, Paramedic Chief, Centre for Emergency Health Sciences
Can also apply to: Pediatrics, Trauma
1.0 CEH

Managing Multiple Patients: EMS Operations

This program focuses on planning and practicing for large-scale events in your community and stresses the importance of knowing what constitutes an MCI in your jurisdiction. By using the incident command system on every incident to which you respond, you increase your success during large, complex, and emotional events.

Featuring: Lt. Colin Whitmore, EMS incident commander during the Virginia Tech school shooting; Jon Politis, NREMT-P, MPA, EMS Chief in Town of Colonie, New York
Can also apply to: Operational Tasks
1.0 CEH

MCI Management: Transportation Group

An incident with multiple victims is referred to as a Multiple Casualty Incident (MCI) when the total number of casualties is more than the customary emergency medical system (EMS) assignment can quickly or effectively treat and transport; when demand exceeds the normal, local resources. There are several facets that must be managed in order to successfully handle an MCI quickly and efficiently. One of those is the Transportation Group, which coordinates the transportation of all patients as part of surge control and efficient scene management. This program reviews the roles and responsibilities of the Transportation Group at an MCI. In addition, the program will discuss responder considerations related to patient surge from an MCI, which can be applied any time emergency departments are experiencing patient overloads. The goal of the program is to ensure the efficient management of the logistics involved with an MCI, with a focus on transportation coordination. It is imperative that responders are in control of the scene, even with the large number of patients.

Featuring: A.J. Heightman, MPA, EMT-P Editor-in-Chief, JEMS
1.0 CEH

Medication Errors & Equipment Failures

Course addresses how to prevent medical legal issues through proper documentation and appropriate recourses when a medical error or equipment failure incident occurs that could result in a legal case. Prevention techniques, error recognition, issuing appropriate apologies, and provider attitude are also reviewed.

Featuring: Christopher H. Howard, JD Seattle, Washington
1.0 CEH

NIMS: The Role of EMS

Through review of large-scale MCIs and disasters, the course examines the EMS role in the National Incident Management System. Includes five key EMS command positions, integrating NIMS into your system, inter-agency drills, and how to keep control of your scene and stay focused.

Featuring: AJ Heightman, MPA, EMT-P, Editor in Chief, JEMS Magazine
Can also apply to: Operational Tasks
1.0 CEH
Pain Management
This course identifies types of pain and reviews their characteristics and qualities. Multiple pain assessment tools, non-medication pain management techniques, and the use of Morphine, Fentanyl, and Nitronox are presented.

Can also apply to: Medical Emergencies, Trauma
1.0 CEH

Patient Refusal
How can responders convince patients to accept treatment and transport? What is the best way to document refusal of treatment? Course reviews the important ways responders can document and protect themselves from future liability in patient refusal situations.

1.0 CEH

Rehab: The Role of EMS
Rehab sectors are set up specifically to provide rest, rehydration, nourishment, medical monitoring, and medical evaluations. This program emphasizes the EMS role in rehab sectors, details how and when rehab should be used, and reviews the NFPA 1584 minimum criteria.

Featuring: Bryan Bledsoe, DO, FACE-P, Paramedic & EMS author
Can also apply to: Operational Tasks
1.0 CEH

Report Writing
Patient care reports are medical, as well as legal documents. This course reviews important components of the PCR and shows how properly completed documents can protect you and your organization against claims of negligence.

Featuring: Attorneys Doug Wirth and Steve Wolfeberg of Page, Wolfeberg & Wirth
1.0 CEH

Responder Wellness and Fitness
Responder wellness and fitness is often overlooked by EMS teams. In many instances, responders are confined to an ambulance during their shifts, or long shifts may leave little time to exercise. However, in order to provide the best patient care, responders need to remain physically fit and in a well condition. This course discusses the importance of responder wellness and proper fitness programs, as well as reviews ways EMS personnel can remain physically fit while stationed in an ambulance.

Featuring: Bryan Fass, Certified Athletic Trainer, Certified Strength and Conditioning Specialist, Paramedic
1.0 CEH

Risk Management: Refusals & Abandonment
Duty to Act, Scope of Practice, Standards of Care—what does it all mean to you? In this program, the scope and depth of the responsibilities of an EMS provider are reviewed, along with patient’s rights, types of consent, and the correct way to transfer or terminate care. Excellent documentation on every patient is essential and the key to avoiding litigation.

Featuring: Matt Streger, Paramedic, Attorney at Law at Kern Augustine Conroy & Schopmann, P.C.
1.0 CEH

Safety: Responder Respiratory Protection and SCBA
In 911 emergencies involving known biological hazards dispatched as “simple” medical responses or everyday calls, respiratory protection is often dismissed unless there is an obvious situation that involves smoke or a potentially hazardous atmosphere. EMS professionals must recognize the potential danger and possible respiratory compromise in any environment. This course reviews hazardous conditions involving airborne exposure and the importance of preparing and training for entrance into environments that cannot sustain life without the use of self-contained breathing apparatus.

Featuring: Bill Richard, NREMT-P Lead Instructor Crozer Chester Medical Center EMS Chairperson Toxic Fire of 78 Memorial Committee
Can also apply to: Operational Tasks
1.0 CEH
Scene Safety

Rescuer safety often takes a back seat when patient care becomes the priority. This course offers insight and experience in scene size-up, steps to take for risk reduction, and basic guidelines for specific types of on-scene hazards. How to stay safe on scene, communicate effectively, and handle emotional situations.

*Featuring: Thom Dick, Quality Care Coordinator for Platte Valley EMS, Brighton, Colorado*

1.0 CEH

Scene Safety: Meth Labs

Methamphetamine labs should be treated as HazMat incidents. This course identifies clues and warning signs of clandestine labs. Reviews physiological and physical effects of meth addiction. Dramatic video of meth labs and addicts illustrates dangers to EMS personnel.

*Featuring: Detective Sergeant Richard Beghtol, Meth Coordinator, Washington State Patrol*

1.0 CEH

Tactical EMS

Tactical medics, or tactical emergency medical services (TEMS), are trained responders who provide emergency medical care in tactical situations where traditional EMS providers cannot or should not enter.2 Tactical medics receive specialized training and play a role in law enforcement operations when civilians, officers, or perpetrators of a crime are injured. In contrast to standard emergency medicine where the patient is the focus of the situation, tactical medicine allows specially trained EMS personnel to provide emergency life-saving care while the tactical situation develops, allowing law enforcement to complete the mission. Whether the situation is a high-risk search warrant, an active shooter event, a barricade or hostage situation, or a bombing, the TEMS component is vital in today’s war on crime. This program provides general information on the role of the tactical medic, the types of emergency scenes to which a tactical medic responds, and the training and skills preparation specific to the position.

*Featuring: Bill Justice, Assoc. Director University of Oklahoma Center for Pre-hospital and Disaster Medicine*

1.0 CEH

Terrorism: EMS Readiness

There are events that occur regularly across the United States and around the world. It is recognized that terrorism can occur in virtually any area of this country. As an EMS responder, you need to be able to recognize the potential terrorist scene and respond accordingly.

*Featuring: James J Augustine, MD*

Can also apply to: Operations

1.0 CEH

Triage

Course reviews the components of triage, important assessment points, how to classify and tag victims, and the importance of regular training with multiple agencies, especially area hospitals. Features START triage system.

*Featuring: Mike Elliott, District Commander of Austin-Travis County EMS, Texas*

Can also apply to: Operational Tasks, Trauma

1.0 CEH

Water Rescue Considerations for EMS

Water emergencies are complex situations that require constant scene assessment and management. EMS responders play a pivotal role in caring for patients and rescuers at the scene, providing critical local knowledge and thorough pre-incident planning expertise. This course helps EMS personnel understand and quickly identify water rescue hazards, and reviews how to work cooperatively with local specialty and supportive resources to increase the likelihood of a positive outcome to these events.

*Featuring: Adam Wojciehowski, NREMT-B St Croix EMS & Rescue EMT/Rescue Technician*

Can also apply to: Operational Tasks

1.0 CEH
24-7 EMS Courses by Topic Area

**Trauma**

**Abdominal Trauma**

Abdominal trauma has a high potential for shock and life-threatening injury and is one of the most difficult injuries to evaluate in the pre-hospital environment. This program discusses the various traumas associated with the abdomen and covers effective strategies to determine and treat abdominal trauma. EMS responders who implement rapid, systematic assessment, have a high degree of suspicion and knowledge of the pathophysiology of the abdomen, and who provide early transport will deliver quality patient care and help improve outcomes for patients with abdominal trauma.

*Featuring: Christopher Shane Henderson, B.S., FF/EMT-P*

1.0 CEH

**Blunt Chest Trauma**

Signs, symptoms, and treatment for traumatic chest injuries are reviewed. Emphasizes a systematic approach, including ABCs and ongoing assessment. Reviews current protocols regarding pain management and fluid therapy. 25% of all trauma deaths are caused by blunt chest trauma.

*Featuring: Will Chapleau, EMT-P, RN, TNS, PHTLS, Manager, Advanced Trauma Life Support, American College of Surgeons*

1.0 CEH

**Bomb Blast: Injuries**

This course identifies the unique scene safety challenges of an explosion, discusses the importance of identifying high-risk targets in your community, and reviews the importance of creating response plans and their daily practice. Covers types of bomb blasts and approaches to triage. These techniques apply in any explosion – propane, natural gas, silo, etc.

*Featuring: Jim Augustine MD, Medical Director for Atlanta Fire Rescue*

Can also apply to: Operational Tasks

1.0 CEH

**Burns: Thermal**

Signs and symptoms of superficial, partial, and full thickness burns with discussion of pain and airway management. A review of the skin and its functions, graphics and photos of different burn types, and the rule of nines assessment method are included.

*Featuring: Nerina Stepanovsky, MSN, RN, EMT-P, EMS Class Director at St. Petersburg College, Florida*

1.0 CEH

**Combat-Related TBI**

Individuals who have post-concussive syndrome or symptoms that occur after traumatic brain injury often have problems with functions such as: attention, judgment, memory, the ability to coordinate activities, and effective cooperation. EMS personnel should have a foundational understanding of what TBI is and the ongoing needs of people living with one or more cognitive, emotional, or behavioral disabilities.

*Featuring: Deputy Chief Ben Chlapek, from Central Jackson County Fire Protection District. Dr. Gary Abram, Rehabilitation Section Chief, at San Francisco VA Medical Center*

1.0 CEH

**Crush Injuries**

This program reviews the assessment and treatment of a patient with potential crush injuries. It emphasizes the importance of early recognition and treatment of crush injury syndrome. MOI should give EMS clues to possible injuries and early treatments can make a critical difference to the patient.

*Featuring: Will Chapleau, EMT-P, RN, TNS, PHTLS, Manager, Advanced Trauma Life Support, American College of Surgeons*

1.0 CEH

**Electrical Injuries**

Electrical injuries, although relatively uncommon, are certainly encountered by most emergency medical providers. Adult electrical injuries usually occur in the workplace, whereas children are primarily injured in a household setting. The range of electrical injury is very broad, from negligible injuries to severe multi-system involvement (with both hidden and delayed complications), and sometimes even death. This course explores the effects of electricity on the human body, as well as the assessment and treatment for post-electrical shock patients.

*Featuring: Steve Lecroy, St. Petersburg Fire and Rescue Department*

Can also apply to: Medical Emergencies

1.0 CEH
Extreme Sports Injuries: Extremity Trauma

This program reviews pain management, splinting, and the various techniques used to stabilize an extremity. Instructs on how to look for and anticipate other injuries in the “predictive” assessment, thereby avoiding the distraction of the obvious injury. Many of the injuries sustained while participating in these sports are usually not life threatening; however, they are painful. The anatomy and physiology of the shoulder are reviewed. The focus is on upper extremity trauma and treating PSDE – painful, swollen, deformed extremities.

Featuring: Craig Jacobus, Paramedic
1.0 CEH

Extrication & Patient Packaging

This course reviews the importance of scene safety, the use of proper personal protective equipment, and scene survey. Different types of stabilization, extrication, and immobilization equipment are discussed.

1.0 CEH

Facial Injuries

Facial injuries can be devastating for both the patient and the EMS responder. It is the face that connects us to another person: When the face is distorted we have difficulty recognizing the human aspects of a patient and it is a shock. Once the essentials such as airway and bleeding are addressed, the EMS responder must be capable of assessing the damage to the face and properly anticipate any problems and treat appropriately. This course reviews facial anatomy, types of injuries, and appropriate treatment to prepare EMS personnel to respond quickly and help prevent complications resulting from facial injuries.

Featuring: Connie J Mattera, MS, RD, EMT-P Northwest Community Hospital EMS Administrative Director
1.0 CEH

Geriatric Trauma: Hip Injuries

This program reviews the effects of hip and pelvic trauma in geriatric patients. The anatomy and physiology of the hip is reviewed, basic emergency care, pain management, and the special consideration of treating a geriatric patient with an injury to the lower extremity is highlighted.

Featuring: Heather Davis, MS, NREMT-P, Educational Program Director, UCLA
1.0 CEH

Head Injuries

Early recognition and prompt care of head injuries is vital. Spinal immobilization and a thorough, rapid trauma assessment must be performed. The Glasgow Coma Score and anatomy and physiology of the skull and brain are reviewed with graphics and photos.

Featuring: Dan Cartascio, National Faculty, Brain Trauma Foundation
1.0 CEH

Mechanism of Injury

Mechanism of injury is a key indicator of the possible injuries you will find on scene. Course reviews the most common types of MOIs, the importance of kinetic energy, and the role speed plays in an MVC. The most common injuries associated with blunt and penetrating trauma are illustrated.

1.0 CEH

Musculoskeletal Emergencies

This course reviews knee anatomy and physiology, defines different types of musculoskeletal injuries, and discusses the importance of MOI and pain management. Emphasizes splinting as one of the most important skills EMTs can perform on scene.

Featuring: Ed Racht, MD, Medical Director, Austin/Travis County EMS, Texas
1.0 CEH

MVC Management

Motor vehicle collision (MVC) incidents result in numerous deaths and hundreds of injuries to EMS providers. MVCs encompass a complex assortment of unique situations where injured victims are amidst a variety of potential hazards such as traffic, chemical spills, fire, damaged vehicles, weather conditions, and terrain challenges. In addition, the introduction and popularity of electric and hybrid vehicles has increased the number of threats to EMS providers at the scene of a MVC. EMS providers must review and practice common techniques and procedures necessary to manage and mitigate these type of incidents. This course reviews early recognition of needed additional resources, implementation of safety measures, coordinating the treatment of victims, and mitigation of any existing or potential hazards.

Can also apply to: Operational Tasks
1.0 CEH
24-7 EMS Courses by Topic Area

Penetrating Trauma: GSW

This program reviews the emergency care and treatment considerations for penetrating trauma, as well as scene safety and crime scene preservation. Airway management, signs and symptoms of shock, bleeding control, and treatment of a pneumothorax are also covered.

*Featuring: Kenneth Bouvier, NEMT-P, Administrative Liaison at New Orleans EMS*

1.0 CEH

Spinal Injuries

Spinal immobilization is one of the key skills for all EMTs. This program presents the anatomy and physiology of the spine and nervous system, reviews common mechanisms of injury, and illustrates the effect of these injuries on the spine. The importance of spinal immobilization is emphasized and proper immobilization is demonstrated.

*Featuring: Bonus interview with Chief Will Chapleau, EMT-P, RN, TNS Chicago Heights Fire Department*

1.0 CEH

Sports Injuries

Head, neck, and spine injuries are common injuries that occur with contact sports. Many states have laws requiring coaches to assess for head injuries and to restrict all players with potential head injuries (concussions) from further participation until cleared by a physician. Another risk for athletes is sudden cardiac arrest (SCA). This course reviews how to recognize and respond to typical contact sports injuries, with a special focus on the relationship between the athletic trainer and the EMS crew during an emergency.

*Featuring: Paul Berlin*

Can also apply to: Medical Emergencies

1.0 CEH

Tourniquets & Hemorrhage Control

Recommendations on hemorrhage control, hemostatic agents, and tourniquets are changing in the pre-hospital field based on new levels of experience in military medicine. Reviewed are the causes and types of blood loss, internal and external bleeding, the signs and symptoms of hemorrhage, and the treatment protocols for these injuries.


1.0 CEH

Trauma During Pregnancy

This course reviews the important anatomical and physiological changes that occur during the three stages of pregnancy, the signs and symptoms of trauma, and appropriate treatment. The effects of trauma on a pregnant patient, common types of injury, and the importance of early recognition of injuries and rapid treatment are presented.

*Featuring: Connie Mattera, MS, RN, EMT-P, EMS, Northwest Community Hospital, Chicago*

Can also apply to: Obstetrics and Pediatrics

1.0 CEH

Contact a 24-7 EMS specialist at 888-240-4911 to discuss your online membership or DVD purchase plan today.

Looking for courses to take on your own? Individual online memberships are now available at www.24-7ems.com.
Quality

NFPA Compliance

All 24-7 Fire courses comply with the National Fire Protection Association (NFPA), an international nonprofit organization established in 1896 with a mission to reduce the worldwide burden of fire and other hazards, by providing and advocating consensus codes and standards, research, training, and education.

The NFPA is the world’s leading advocate of fire prevention and an authoritative source on public safety. It is responsible for codes and standards designed to minimize the risk and effects of fire, including those directly related to the professional qualifications of fire protection personnel:

- NFPA 1001: Standard for Fire Fighter Professional Qualifications which identifies the minimum job performance requirements for career and volunteer fire fighters
- NFPA 1031: Standard for Professional Qualifications for Fire Inspector and Plan Examiner which identifies the professional levels of performance required for fire inspectors and plan examiners
- NFPA 1021: Standard for Fire Officer Professional Qualifications which identifies the minimum job performance requirements necessary to perform the duties of a fire officer

Source: National Fire Protection Association; www.nfpa.org

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Jeff Lindsey, PhD, CFO, EFO, EMT-P
Jeff is currently the Chief Learning Officer for the Health & Safety Institute in Eugene, Oregon. He holds a doctorate and master's degree in Curriculum and Instruction from the University of Southern Florida, a bachelor's in Fire and Safety Engineering from the University of Cincinnati, and an associate in Paramedic from Harrisburg Area Community College.
## Alphabetical Course Listings by Topic Area

### 24-7 Fire

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24-7 Fire Courses by Topic Area

**Basic Hoisting Operations**

The ability to hoist and lower tools and equipment to various levels at an emergency scene is a fundamental firefighting skill; it can reduce the risks of firefighter injury when transporting these items and improve the efficiency of some response operations. Like all basic firefighting skills, hoisting operations requires practice or accidents can happen. As with any operation on an emergency incident, safety must take first priority. When proper safety precautions are taken to protect firefighters and civilians, the ability to correctly and effectively hoist equipment has significant advantages for emergency operations. Proper hoisting technique may speed the tempo of operations and expose responders to less heavy, awkward lifting off ladders and stairwells, thus helping to mitigate the emergency situation more rapidly.

*Featuring: Joseph Schum, FO*

**Breaching Masonry Walls**

Breaching walls is an important skill in searching for hidden fires, creating ingress and egress points, facilitating civilian and firefighter rescue operations, and performing self-rescue through wood-framed construction covered in drywall. This program provides a basic knowledge of this critical technique.

*Featuring: Tad Anderson, Lieutenant, Castle Rock Fire and Rescue*

**Building Construction Awareness**

This course reviews common construction practices, their influence on suppression activities, and the noteworthy safety concerns presented by the most common types of structures. In addition, the basics of building construction influence the use of fire protection systems, exposure considerations, and resource application such as roof ventilation or RIC activations.

*Featuring: Division Chief Mike Alder Training Officer San Bernardino City Fire Department San Bernardino, California*

**Firefighter Series**

**Basic Fire Streams**

A fire stream is the water, or water in conjunction with another agent, as it leaves the nozzle and heads to the fire. Course reviews different types of fire streams and their most effective application.

*Featuring: Captain Mike Dugan FDNY Ladder 123 Brooklyn, New York*

**Basic Fireground Communications**

Clear communication on the fireground is critical for effective fireground management and firefighter safety. A breakdown in communication can lead to delays in operations and inefficient uses of resources. Although communication principles and practices have improved over time, communication issues continue to be cited as contributing factors in fire scene fatalities. As with any skill that helps fight fires, proper communication skills benefit from practice and ongoing training. This program will discuss effective radio communications utilizing the incident command system, outline best practices for radio communications, and review why these best practices should be used for all communication among fire crew members, and with other departments or agencies, including dispatch.

*Featuring: Alan E. Joos, EFO MS, (ABD), FiFireE*

**Basic Pump Operations**

Course describes the basic principles of pump operations on fire apparatus and how to solve basic hydraulic calculations for fire pump operations based on hose and nozzle selection.

*Featuring: Captain Cameron Bucek, FF/EMT-P The Villages Fire Rescue Orlando, Florida*

**Basics of High-Rise Firefighting**

High-rise fires make up only three percent of all structure fires in the US, yet they present many unique challenges, including evacuation and rescue of trapped victims. This program discusses the proper techniques and procedures for search and rescue, suppression, ventilation, evacuating, and rescuing victims of a high-rise fire.

*Featuring: District Chief David McGrail Denver Fire Department Denver Colorado*
24-7 Fire Courses by Topic Area

**Care and Maintenance of Forcible Entry Tools**

Well-maintained tools and equipment are critical to a timely and effective response to emergency situations. Firefighting tools are vulnerable to damage from impact, heat, moisture, and exposure to ultraviolet effects, as well as wear due to regular use. This course describes how to keep forcible entry tools in top condition for use when needed, with a special focus on the parts of common handheld tools that must receive regular care and maintenance.

*Featuring: Ed Dwyer, Division Chief - Special Operations, Estero Fire Rescue, Estero, FL*

**Cold Weather Operations**

Cold weather operations pose a number of challenges to firefighting, including water freezing on the ground, hoses, firefighters, and other surfaces. Course describes effects of cold weather operations and how to function effectively under such conditions.

*Featuring: Tyrone Harrington, Battalion Chief Fairfax County Fire and Rescue Fairfax Virginia*

**Driver Operations**

This course addresses the issues associated with safely responding to, and returning from, emergency incidents, considering vehicle characteristics and stress factors from the emergency scene and those encountered on the roadway.

*Featuring: William Jenaway, Ph.D., CFOD, CSP Vice President VFIS King of Prussia Volunteer Fire Co. York Pennsylvania*

**Elevator Safety Response Awareness**

This program helps firefighters identify challenges and risks involved in hydraulic and traction elevator rescues. Course reviews types of elevators and the equipment involved in response, as well as certain key strategies for dealing with stalled elevators.

*Featuring: Travis Ford, District Chief, Nashville Fire Department*

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**Extrication Update: Newer and Hybrid Vehicles**

This program focuses on newer and hybrid vehicles, identifying what is required for establishing a safe working area on the scene of a rescue, as well as the specifics of high-voltage wiring, batteries, and vehicle construction. Course also covers how specific technology and manufacturing processes affect essential rescue operations.

*Featuring: Les Baker FF City of Charleston Fire Department and David Dalrymple Education Chair, TERC US Roadway Rescue LLC*

**Firefighter Rehab**

Firefighting is an inherently dangerous profession with physical and mental demands similar to, and often greater than, those faced by performance athletes. Rehab allows firefighters to work more safely and effectively with fewer mistakes and injuries. This program explains the NFPA 1584 Standard and shows how to integrate rehab into your department.

*Featuring: Mike McEvoy, PhD, NREMT-P, RN, CCRN, Saratoga County, New York*

**Fireground Hydraulics: Basic Concepts**

Water remains one of the most basic tools of firefighting. Motion, pressure and flow rate will affect how water behaves in fire suppression. This course discusses the science of hydraulics and ways to effectively move water to and on the fireground to overcome the forces working against its motion.

*Featuring: Mark Vinup, Firefighter City of Bellevue, WA Fire Department*

**Ground Ladders**

Whether rescuing victims, accessing roofs for ventilation, or applying fire streams, fire crews must select, carry, place, and work from portable ground ladders in a timely manner. This training reviews types of ground ladders, their safe placement, ascending and descending the ladders, and routine maintenance.

Hazardous Materials Identification

Hazardous materials can be present at any scene. Approach every incident with caution and awareness of possible hazardous materials. Never take action that exceeds the scope of your training.

*Featuring: Alan E. Joos, EFO, MS, (ABD), FFireE*

HazMat Operations Update

This course helps Fire Service members trained to the Hazardous Materials (HAZMAT) operations level understand their roles, responsibilities, and function in the overall response to HAZMAT, including natural and technological, accidental, and intentional.

*Featuring: Kenneth Bouvier, NEMT-P Fire Chief, Monsanto Company New Orleans, EMS NAEMT Past President 2004-2006 Administrative Liaison*

Home Safety Surveys

Although designed to promote residential fire safety, home safety surveys also benefit fire departments with good public relations between fire personnel and citizens. This program discusses the steps involved in performing a residential pre-incident survey, and how home safety surveys allow firefighters to obtain information about specific uses that would be valuable in the event of an emergency. It also offers an opportunity for a visible presence of the department in the community, and gives citizens the opportunity to acquire fire safety information outside of the code enforcement process.

*Featuring: Frank DeFrancesco, Assistant Fire Chief Hernando County Fire Rescue*

Hose Appliances

An essential, yet often overlooked component in the fire company’s arsenal are the appliances used in conjunction with hose lines. These tools allow firefighters a variety of on-scene options for fireground operations, including extending current attack lines or adding additional lines, changing the diameter of a hose or pre-piped system, and controlling the direction and amount of water provided to various resources. This course discusses essential firefighter knowledge of tools and tactics, especially regarding hose lines, water supply, and basic pumping concepts.

*Featuring: Gregg Favre, Member, St. Louis Fire Department Bureau of Suppression, 4th Battalion*

Hydrogen Sulfide Suicide Awareness

Invisible and deadly, hydrogen sulfide has become an important on-the-job consideration for emergency professionals as a growing trend of suicide by hydrogen sulfide gas emerges. Its accessibility and increasing use in suicide attempts gives it the potential to unintentionally harm or kill firefighters, other emergency responders, or bystanders. This program covers what hydrogen sulfide is, how to detect it, and ways to safely handle an incident involving this deadly gas.

*Featuring: Captain John J. Costello St. Louis Missouri*

Interior Structure Fires

An interior fire attack is an offensive strategy that allows firefighters to fight the fire at its source, giving them the greatest chance of extinguishing the blaze at its earliest stage. However, an interior attack on a burning structure poses significant threats to firefighter safety, exposing firefighters to risks such as flashover, backdraft, structure collapse, and exposure to flame, intense heat, and toxic gases. This program will cover the essential elements of an interior fire attack, including scene size-up, entry, hose line advancement, and critical safety considerations.

*Featuring: Bob Leonard, Fire Captain San Jose Fire Department*

Introduction to Forcible Entry

Forcible entry should be used with caution in some situations; under other circumstances, the need for forcible entry is apparent. Course distinguishes the basic methods and challenges of forcible entry and which method works best for various situations.

*Featuring: Cheryl Horvath Division Chief - Operations Northwest fire Districts Tucson, Arizona*

Introduction to NIMS-ICS

This program reviews the history and use of the incident command system with a focus on the National Incident Management System Incident Command System as it applies to initial fire and emergency scene operations.

*Featuring: Charles W. Ryan, III Battalion Chief Fairfax, VA*
Introduction to the Wildland Urban Interface

Wildland-urban interface areas, where human-made improvements mix with wildland fuels, present a dangerous and demanding challenge to wildland and structural firefighters. Course reviews the different tactics, equipment, and mindsets required to manage these unique fire situations.

Featuring: Deputy Chief Mario Rueda Los Angeles Fire Department Los Angeles, California

Mass Decontamination: The Basics

This program provides an overview of the concepts and principles of mass decontamination by and for first responders, including reasons for decontamination and health and safety considerations for first responders during decontamination operations. The course offers an overview of mass decontamination strategies and tactics, as well as reviewing the proper use and implementation of mass decontamination.

Featuring: John Donnelly, DC Fire & EMS Department, Battalian Chief

NFIRS & Documentation

This program discusses the importance and role of the National Fire Incident Reporting System as well as the importance of proper documentation for legal situations.

Featuring: Lawrence Bennett, JD Katzman Logan, Halper and Siegel Cincinnati, Ohio

Overview of Aerial Operations

Course describes various types of aerial apparatus as well as best uses, safety measures, placement, and routine maintenance of this critical equipment.

Featuring: Lt. Chris Murphy Sanford Fire Department Sanford, Florida

Portable Ground Ladder Rescues

Responders arriving at a fire scene have many critical decisions to make, one of which is whether or not to deploy ground ladders to rescue building occupants. This course discusses the decision-making process that company officers should use to determine the need for ground ladder rescues. Also reviewed are tool selection, ladder placement, staffing and resource needs, fire-ground tactical considerations, and safety for occupants and responders.

Featuring: Brian Maier- Seattle Fire Dept.

Positive Pressure Ventilation

PPV is the tactical application of air flow from mechanical devices to ventilate heat and fire gases from a burning structure. Course reviews using PPV in fire suppression activities, including applicability, contraindications, safety considerations and set up, as well as crew coordination.

Featuring: Deputy Chief Stephen Kalman Hackensack Fire Department Hackensack, New Jersey

Safety on the Fireground

The nature of the Fire Service requires emergency personnel to respond quickly to the location of a call, use a multitude of advanced tools, and work in dangerous environments. Despite the best intentions, accidents will occur. This program will look at how to improve firefighter safety.

Featuring: Deputy Chief Billy Goldfeder Loveland - Symmes Fire Department Cincinnati Ohio

Portable Fire Extinguishers

Always consider if you can make an early stop on a fire before it gets out of control and causes more damage. Follow local protocols and when circumstances allow, use a portable fire extinguisher to put out a fire before it moves beyond the incipient stage. These training evolutions review how to identify classes of fire and the technique to properly use a fire extinguisher.

Featuring: Pete Gunnell

Safety: Firefighter Fitness Basics

This program identifies current health risk factors facing firefighters, including cardiovascular risks, stress-related symptoms, and injury caused by placing monumental physical strain on ill-prepared bodies. It examines a shift in fitness philosophies; from “bodybuilding fitness” to training firefighters for the tasks they will face on-scene.

Featuring: Captain Erron Q. Kinney Williamson County Rescue Squad Former NFL Athlete/Tight End, TN Titans and Denise L. Smith, PH.D Skidmore College, Health Exercise Services University of Illinois, Fire Services Institute
Safety: Rapid Intervention Crews

Given the amount of unknown variables involved, any emergency scene is subject to drastic, and occasionally instantaneous, changes. This course reviews the role of employing a Rapid Intervention Crew (RIC) when responders are operating in hazardous conditions.

Featuring: Chief Kenneth W. Richards, Jr. EFO, MS Old Mystic Fire Department Mystic, Connecticut

Safety: Respiratory Protection & SCBA

This program is designed to accomplish firefighters’ annual refresher training in respiratory protection. It discusses the proper selection of a respirator based on the environment, fit testing, daily inspection, and proper donning and use of respiratory protection equipment.

Featuring: Lt. David Bernzweig Health and Safety Chairperson The Columbus Fire Firefighters Union Columbus Ohio

Safety: Responding to Violence

Because responders enter hostile areas as a part of their service, it is paramount that they be trained to recognize, evade, and report questionable actions aimed at injuring them or others. The course discusses the verbal and non-verbal forms of interaction between responders, patients, and bystanders that help reduce confrontational behavior, reviewing the immediate actions responders can take in the event that they find themselves under attack in a hostile environment.

Featuring: Bradley Pinsky, JD, FF Syracuse, New York

Safety: Water Emergencies

Water has the capability to engulf, entrap, act as a simple asphyxiant, and carry potentially toxic substances. This course provides an overview of the hazard recognition skills rescuers need and the varying water environments that rescuers may encounter during an emergency.


Salvage and Overhaul

Both salvage and overhaul are vital processes to protect personal belongings and to investigate the total extinguishment of a fire. When engaging in salvage and overhaul, firefighters face inherent physical dangers and health-related risks. The focus of this course is to create an overall awareness of the dangers and risks to firefighters associated with salvage and overhaul operations and describe the process of conducting salvage and overhaul properly and safely. In addition, the need for public relations, security, and documentation within the context of salvage and overhaul will also be presented.

Featuring: Captain Richard Rochford (Ret.), Jacksonville Fire Rescue Department, Jacksonville, FL

Scene Lighting

To maximize the safety of firefighting operations, all firefighting personnel need to evaluate light placement and use when responding to an incident. These training evolutions are designed to teach firefighters the appropriate tactics to use when lighting different types of incidents. The evolutions will help familiarize firefighters with their department’s lighting resources, alternative sources of lighting for large incidents, and the lighting challenges particular to their district, with an emphasis on safe operations.

Featuring: David C. Harrington, AA, TN-EMT-P/IC, NREMT-PF

Search and Rescue

Since search and rescue is a primary function of the fire service, firefighters have a responsibility to the public, fire victims, and fellow firefighters to know how to perform safe and effective searches. A primary cause of firefighter fatalities during search operations is the failure to recognize rapidly changing fire conditions and the disorientation that can easily occur in low visibility situations. Employing a specific search technique, such as an oriented search strategy, can mitigate these factors and others that put the lives of citizens and firefighters at risk. This course outlines the basics of search, reviews the different types of search methods, and focuses on oriented search as a way for firefighters to most effectively and efficiently search a residential structure.

Featuring: Skip Coleman, Deputy Chief of Operations, Toledo Department of Fire and Rescue, Toledo, OH
**Search Operations: Building Fires**

This training program reviews proper search protocols, site-specific search considerations, scene size-up, and calculating responder risk. Also discussed are common search methods that can be applied in a wide variety of incidents.

*Featuring: Gary Ludwig MS, EMT-P Deputy Fire Chief Memphis Fire Department*

**Utilities Shut Off**

When arriving at the scene of a structural fire, firefighters need to quickly assess any circumstances that represent a threat to their safety or the safety of fire victims during fire suppression operations. This includes assessing the status of any utilities connected to the structure. Ignition of a gas line or electrocution from an active source of electricity can result in injury or even death to a firefighter or citizen, while flooding from an uncontrolled water source might cause excessive damage to a structure. The primary focus of this course is to review why and how utilities should be shut off prior to fire suppression or rescue operations at the scene of a residential house fire.

*Featuring: Reginald Freeman, MS, CFO, FIFireE, Assistant Fire Chief, Hartford, CT*

**Vehicle Fires**

Hands-on training is essential to smooth operations in the event of a vehicle fire. Vehicle fires often have fewer visible flames than a structure fire, but pose significant hazards to the safety of responders who approach. Some vehicle parts can explode when exposed to heat and flames. Review the parts of a vehicle that can pose a risk to responders and how to approach a vehicle safely in order to extinguish a vehicle fire.

*Featuring: Christopher Shane Henderson, B.S., Fire Lieutenant, Paramedic, St. Petersburg Fire & Rescue, St. Petersburg, Florida*

**Vertical Ventilation: Pitched Roof**

Removing heat and smoke through vertical ventilation is an effective fireground tactic when safely and properly executed by well-trained crews. Understanding why, when, and how to open roofs for ventilation, combined with hands-on training and practice, will lead to greater confidence, efficiency, and safety on the fireground. This program is intended to strengthen the firefighter's understanding of roof construction and procedures for vertically ventilating a pitched roof.

*Featuring: Captain Scott A. Gray Ladder Co. 13 Seattle Fire Department*

**Water Supply & Tender Operations**

Access to abundant water for fire suppression is an ongoing concern not just for rural fire departments. Many towns and cities, even those with hydrants on every corner can have water system failures. This class shows departments how to locate strategic water sources and develop procedures to transport water efficiently and safely.

*Featuring: Mike Wieder Executive Director IFSTA Stillwater, Oklahoma*

**Fire Inspector Series**

**Building Construction**

Fire inspectors play an important role in building design, construction, and maintenance. This course reviews the importance of a basic understanding of the evolution of building design and construction, as well as how to properly apply the code's use and occupancy limitations as they relate to building construction.

**Customer Service**

As a representative of the fire department, fire inspectors should strive to provide good customer service to both internal and external customers to aid in the delivery of effective inspection findings.

**Electrical Systems**

Electrical systems can present a significant fire risk to property, occupants, and surrounding environments, particularly if the system is not maintained. It is imperative for fire departments to establish and maintain inspection schedules for electrical systems. This course provides fire inspectors with a succinct review of inspection standards and best practices for electrical system inspections, including the key elements to identify and observe when conducting a building inspection.

*Featuring: Assistant Chief Eddie Saffelll, Central Jackson County Fire Protection District*

**Fire Alarm Systems: Introduction**

Course reviews automatic and manually activated fire alarm systems, their components, and how to inspect these systems.
Hazardous Materials for the Fire Inspector

While fire inspectors don’t need to be trained as hazardous materials experts or emergency responders, they should have hazardous materials awareness-level training and a background in basic chemistry. This program will cover hazardous materials for fire inspectors.

Hydrant Inspections

Ensuring that fire hydrants are accessible, operational, and able to deliver a sufficient water supply is essential. Periodic inspection, testing, and maintenance of hydrants can help to confirm that the water supply will be adequate, reliable, and unobstructed when it is needed for fire suppression operations. This course is designed to review the basic practices of single hydrant inspection and testing to provide baseline condition, pressure, and volume readings, as well as hydrant maintenance. Please note: this program does not cover a full water system evaluation.

Identifying Hazards During Inspections

The codes and standards adopted by municipalities and enforced by fire departments are intended to establish and maintain a “reasonable” degree of fire safety in all occupancies. This course helps fire inspectors become aware of the existence of contributing hazards that present significant threats to fire safety in occupancies that are otherwise in compliance with fire codes.

Inspection Techniques

In addition to following their department’s standard operating procedures and guidelines, fire inspectors can enhance their efficiency, thoroughness, and documentation skills with the techniques discussed in this course.

Interpreting Model Fire Codes

Program offers information to help organizations develop guidelines to ensure fire inspectors provide uniform, consistent, and reasonable determinations when interpreting the model fire codes and referenced standards.

Introduction to NIMS-ICS: Fire Inspector

Course introduces the National Incident Management System Incident Command System as it applies to fire and emergency scene operations and reviews how fire and safety inspectors fit into the system.

Introduction to Report Writing

Course reviews the purpose and importance of completing inspection reports, including proper formatting and documentation procedures for both electronic and paper reporting as well as good written communication techniques.

Respiratory Protection

Because fire inspectors often work in potentially toxic environments, they need training and protection from toxins, carcinogens, and airborne pathogens. Designed to provide a fire inspector’s refresher training in respiratory protection, this course discusses the selection, fit testing, daily inspection, and proper use of respiratory protection equipment.

Supression Systems: Wet & Dry

Course reviews different types of fire suppression systems including wet, dry, deluge, pre-action, and residential sprinkler systems and how to effectively inspect such systems.

Officer Development

Basic Documentation for the Officer

Course presents discussion points on the importance of proper documentation as a tool to show why decisions were made, identifying risks and protective actions, and clearly explaining the situation found and what was done on the call.

Best Practices: Customer Relations

Life-and-death mission outcomes make the fire service the ultimate service industry. This course offers discussion points on how customers and voters influence public perception of the department, and how to meet customer needs and form important relationships with the community.

Budgeting Basics

This program provides an overview of the various components and principles that go into creating a department budget and the important role of the fire officer in that process.
Cultural Awareness

As a fire officer in a public safety position, you respond to a wide array of calls and encounter a variety of people from different cultures. While providing effective and efficient emergency services to the people in your jurisdictions is a top priority, it is also important to be aware of the cultural perspectives and backgrounds of the people you are helping, because those cultural characteristics may affect your emergency response. The most important tool that you possess to help improve your cultural interactions is taking time to consider your own culture, and how your cultural characteristics affect the way you interact with members of the community and individuals within your own department. Improving your cultural awareness can have a significant positive impact on the success of your interactions with others. This course will provide you with the right tools and insights to interact respectfully and conscientiously with victims of emergencies and fire service personnel who may have cultural backgrounds, behaviors, and values similar to or different from your own. You will be better able to understand and interact with individuals from different cultural backgrounds, thus gaining respect for your fire company from the community you serve and improving the overall quality of your department's emergency response.

*Featuring: Dr. Beth Murphy, PsyD.*

Ethical Issues

Course presents discussion points on ethical decision making and techniques for reviewing one’s own ethical foundation, as well as assessing how fire officers can set an example as leaders in the workplace.

Handling Conflicts

Sometimes the decisions made by fire officers are the opposite of what firefighters feel is needed, resulting in conflict. However, conflicts are only bad when they become obstacles. This course offers discussion points for conflict management styles, strategies for managing conflict, and reviews the types of conflicts that might arise in the workplace.

Handling Personnel Issues

Resolving personnel issues is the most difficult part of being a company or chief officer and is a responsibility that is sometimes ignored. This course facilitates discussion about common personnel issues, steps to resolution, and the importance of differentiating friendship from supervision.

Leadership Styles

In the Fire Service, an officer’s inability to adjust leadership styles based on situational demands and employee needs can cause declining productivity, poor morale, and sets the organization on a path for employee discontent and inefficiency. Fire officers can help avoid these personnel difficulties and improve their effectiveness by understanding different leadership styles and learning to adapt to various styles based on the situational demands and employee needs. This program covers the differences between authoritative, democratic, delegative, and situational leadership styles in relation to an officer’s role with subordinates and supervisors.

Managing the Difficult Employee

Course presents discussion points on working with aggressive or passive-aggressive employees, ensuring that individual and crew performance is not compromised, and minimizing the effect of negative personalities on group morale.

Media Relations: The Basics

As an officer of a public service agency, you may be called upon to provide information to the media regarding emergency operations or training events. Interacting with the media is an opportunity for an officer to improve the reputation of the department, to educate the public about safe practices or department operations, and to build the trust that citizens need to have in public service agencies. This course reviews basic interview skills, the importance of providing accurate information, collaborating with other agencies, establishing relations with local media, and more.

*Featuring: Steve McAdoo- Clackamas Fire District. PIO, Paramedic/FF*
24-7 Fire Courses by Topic Area

**Professional Development**

Professional development should be planned out and taken seriously by fire officers, not unlike the planning and consideration that occurs on every emergency scene. A good professional development plan includes key strategies with benchmarks to measure progress. The program discusses strategies for professional development, including the wide array of training and mentoring resources available to fire officers from within their departments, web- and classroom-based training and education, and networking opportunities throughout the fire service and beyond.

**Time Management**

In the fire service, time management requires continuous flexibility because interruptions and surprises are the norm, not the exception. This course includes discussion points on time management skills and approaches, developing good time management habits, and high-tech/low-tech time management tools.

**Workplace Violence**

This course explores a broad range of workplace violence, the signs of impending workplace violence, and the means to prevent and respond to it within fire department facilities such as offices, buildings, and fire stations.

Contact a 24-7 Fire specialist at 888-240-4911 to discuss your online membership or DVD purchase plan today.

*Looking for courses to take on your own?*

*Individual online memberships are now available at www.24-7fire.com.*