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# Course Catalog



*Revised February 17, 2012*

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## 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:

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

## 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 Schnepf—Special Operations Chief, Alameda County Fire Department*

24SC11-2-1

### 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*

24SC10-4-1

### 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.

*Featuring: Katherine West, BSN, MEd, CIC, Infection control expert*

24SC05-1-2

### 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, MEd, CIC, Infection control expert. Robert Waddell, Current Vice President - Sacco Triage System Cheyenne, Wyoming*

24SC09-3-3

### 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*

24SC07-4-1

### 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*

24SC06-3-2

### 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*

24SC05-1-3

### 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 states laws regarding emergency vehicle response. An operator of an emergency vehicle is responsible for the safety of themselves, the crew, and the patient.

24SC09-2-1

### 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*

24SC11-2-3

### 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*

24SC07-3-1

### 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*

24SC06-4-1

### 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*

24SC04-2-1

### 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, MEd. CIC, Infection control expert*

24SC08-3-1

### Infectious Disease & Pandemic Planning

Emergency medical services and hospitals will be overwhelmed in a pandemic. Planning is imperative. This course stresses the importance of planning and collaboration in preparation for the next influenza pandemic. Learn how you and your agency can plan for a response in your community.

*Featuring: Larry Wiersch, MS, EMT-P, Centronia Ambulance, AAA*

24SC07-1-3

### 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 health-care 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, MEd, CIC, Infection control expert*

24SC10-1-1

### 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*

24SC08-4

### 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*

24SC10-3-1

### 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*

Name Here

24SC06-1-3

## Pain Management

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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.

24SC07-3-3

## Patient Refusal

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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.

*Featuring: Richard Patrick, MS, EMT-P, Department of Homeland Security. Dan Limmer, EMT-P, author, Brady – Emergency Care*

24SC04-4-2

## Rehab Sector: The Role of EMS

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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*

24SC08-3-2

## Report Writing

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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*

24SC05-3-3

## Responder Wellness and Fitness -- **NEW**

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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 physical 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*

24SC11-4-2

## Risk Management: Refusals & Abandonment

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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 & Schoppmann, P.C.*

24SC09-1-2

## Safety: Responder Respiratory Protection and SCBA

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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*

24SC11-1-2

## Scene Safety

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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*

24SC05-3-2

## Scene Safety: Meth Labs

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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*

24SC07-4-2

**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*

24SC11-3-3

**Triage**

Course reviews the components of triage, important assessment points, how to courseify 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*

24SC04-3-1

**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*

24SC11-1-3

**WMD Update**

This course reviews ODP Awareness Level Guidelines for EMS, mandated by NIMS. Potential risks, appropriate PPE, and interagency coordination are discussed.

*Featuring: Paul Maniscalco, NREMT-P, Deputy Executive Director of George Washington University's Response to Emergencies and Disasters Institute (READI), and Member of the Gilmore National Terrorism Commission*

24SC04-4-1

**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*

24SC06-3-1

**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.*

24SC09-4-2

**Geriatric Assessment -- NEW**

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

*Featuring: Christopher Shane Henderson, B.S., FF/EMT-P; St. Petersburg Fire & Rescue; Adjunct EMS Instructor -St. Petersburg College*

24SC12-1-2-D

**Interpreting Vital Signs -- NEW**

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: Lt. Anthony Tedesco, BSN, RN, NREMT-P; Clearwater Fire & Rescue; St. Petersburg College - EMS Program*

24SC12-1-3-D

## Trauma Assessment

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Speed and prioritization are common areas of concern in trauma assessment, which is one of the most fundamental tools used in EMS. In this program, basic trauma assessment of the unconscious patient is presented.

*Featuring: Dan Limmer, EMT-P, author, Brady – Emergency Care*

24SC04-1-1

## Airway, Breathing and Cardiology

### Airway Adjuncts & Patient Outcome

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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*

24SC09-1-3

### Airway Care

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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*

24SC04-2-3

### Airway Management Essentials

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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*

24SC10-4-3

## Carbon Monoxide Poisoning

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CO poisoning is an occupational hazard for EMS and firefighters, resulting in 5,000 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*

24SC07-1-1

## Chest Pain

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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*

24SC05-2-1

## ECC Update: Adult & AED

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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*

24SC11-3-1

## ECC Update: Pediatric / PALS -- **NEW**

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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*

24SC11-4-1

## Geriatric Emergencies: Chronic Lung Disease

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*

24SC10-2-1

## 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*

24SC05-2-3

## Respiratory Emergencies: CPAP

CPAP—Continuous Positive Airway Pressure—provides a non-invasive method that enables you to 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*

24SC08-1-2

## Sudden Cardiac Death -- **NEW**

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, REMT-P, RN, CCRN;  
Clinical Assoc. Professor Critical Care Medicine - Albany  
Medical College*

24SC12-1-1-D

## 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*

24SC10-2-2

# 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*

24SC06-4-2

## Bariatric Patient: Care & Transport

This program illustrates the assessment, treatment, and transport of a morbidly obese patient. Morbidly obese patients often suffer from a multitude of 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*

24SC08-4-1

## 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*

24SC10-1-2

## 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.

*Featuring: Augie Bamonti, EMT-P, PHTLS Executive Council, Chicago Heights, Illinois*

24SC09-4-1

## Cyanide Poisoning

Cyanide poisoning is an occupational hazard for EMS 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*

24SC07-2-1

## Extreme Heat Emergencies

In this course, exertional and exertional heat stroke is illustrated, and the signs, symptoms, and treatments of a variety of heat-related illnesses are discussed. Includes a review of the physiological effects of heat and the four methods of heat transfer from the body.

24SC07-2-3

## 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.

24SC07-3-2

## Geriatric Poisonings

Increased medical resources, new and improving pharmaceuticals, and an expanding elderly population mean EMS professionals have a greater opportunity to respond to a geriatric patient experiencing adverse effects 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*

24SC11-2-2

## 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*

24SC08-3-3

## 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*

24SC06-2-2

## 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*

24SC08-2-2

## 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, CCEMTP EMS Division Captain Central Jackson County Fire Protection District Blue Springs, Missouri*

24SC10-3-3

## 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 toxidromes that may indicate substances used by patients.

*Featuring: Wendy Klein-Schwartz, MD, Maryland Poison Center and University of Maryland, School of Pharmacy*

24SC05-3-1

## 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: Marv Wayne MD, Medical Director Bellingham/Whatcom County EMS*

24SC04-2-2

## 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*

24SC05-2-2

# Trauma

## Abdominal Trauma -- **NEW**

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 is designed to discuss 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*

24SC11-4-3

## Blunt Chest Trauma

Signs, symptoms, and treatment for traumatic chest injuries are reviewed. Emphasizes a systematic approach, including ABCs and on-going 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*

24SC07-2-2

## Bomb Blast Injuries: Suicide Bombings

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*

24SC08-1-1

## 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*

24SC06-1-2

## 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*

24SC09-4-3

## Crush Injury: Industrial Accident

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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*

24SC08-4-2

## Extreme Sports Injuries: Extremity Trauma

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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 and 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*

24SC09-3-1

## Extrication & Patient Packaging

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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.

24SC08-2-3

## Eye Injuries

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Common injuries such as corneal abrasions and chemical injuries are reviewed, as well as the assessment and treatment required. The eye is a very complex structure; this program illustrates the main parts and layers of the eye. If the injury to the face or eye is a secondary injury, responders should not be distracted by grotesque or obvious injuries but focus instead on first attending to the basics.

*Featuring: Art Hsieh, MS, NREMT-P, CEO of San Francisco Paramedic Association*

24SC09-1-1

## Facial Injuries

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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*

24SC11-1-1

## Geriatric Trauma: Hip Injuries

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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*

24SC09-2-2

## Head Injuries

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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 Carlascio, National Faculty, Brain Trauma Foundation*

24SC07-1-2

## Mechanism of Injury

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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.

24SC06-2-1

## 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*

24SC05-1-1

## 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*

24SC09-2-3

## Shock Management/Controversy

The types of shock and their general causes are defined and emergency treatment is discussed and examined, including the Golden Hour, fluid resuscitation, and air medical transport. Includes insight into the current controversies of shock management and treatment.

*Featuring: Will Chapleau, EMT-P, RN, TNS, PHTLS, Manager, Advanced Trauma Life*

24SC04-3-2

## 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*

24SC04-1-3

## 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.

*Featuring: Lt. C. John McManus, MD, MCR, FACEP, FAAEM Director for the Center for Pre-Deployment Medicine-US Army. Susie Kochevar, RN, BSN, CEN, Health Care Coordinator for North Las Vegas Fire Dept.*

24SC10-1-3

## 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*

24SC07-4-3

# Obstetrics and Pediatrics

## Obstetrics/Childbirth

The process of childbirth, possible complications and how to respond, the anatomy and physiology of pregnancy, the stages of labor and neonatal care are all reviewed. Preparation, support, and calm will help make the patient comfortable and the birth successful. Three home births are featured.

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

24SC06-4-3

## 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*

24SC04-3-3

## 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*

24SC09-3-2

**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*

24SC10-3-2

**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*

24SC04-4-3

**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*

24SC08-2-1

**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*

24SC08-1-3

**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*

24SC10-2-3

**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*

24SC11-3-2

**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, FAAEM Clinical Professor of Emergency Medicine University of Nevada School of Medicine Department of Emergency Medicine University Medical Center of Southern Nevada Las Vegas, Nevada*

24SC10-4-2

**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.

24SC06-2-3

## Upcoming Courses\*

Topic	Area
Electrical Injuries	Trauma
Sports Injuries	Trauma
MVC Management	Trauma
Pediatric Airway Management	Airway, Breathing, and Cardiology
Fundamentals of 12 Lead EKG	Assessment
Human Body	Assessment
Bloodborne Pathogens	Preparatory
Trauma Assessment	Assessment
Interosseous(IO) Infusion	Medical Emergencies
Capnography	Assessment

\* Subject to change



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