

EMS Education Courses

101. Selective Spinal Immobilization/Medical Legal Documentation: Review of Lenawee County selective spinal immobilization policy and update on medical legal.

Instructor: Ryan Rank EMT-P, I/C, Life Flight

Madison Twp. Fire Department

Nursing Bldg, Room 106, 1 Hours EMS CEU-Trauma, 1 hour CEU-Preparatory, Sunday July 12th: 0930-1130

102. Burn Management: Review the different types of burns and the proper treatment. Review the Anatomy and Physiology of the skin. Review Signs and Symptoms of Shock. Review the rule of 9s and fluid therapy and pain management.

Instructor: Ryan Rank EMT-P, I/C, Life Flight

Madison Twp. Fire Department

Nursing Bldg, Room 106, 2 Hours EMS CEU-Trauma, Sunday July 12th: 1500-1700

103. Geriatric Trauma: Geriatrics patients have a different response to trauma and present atypically symptoms that the caregiver needs to recognize. This program explores the differences of the geriatric patient in relation to trauma, common injuries and how to prevent; as well as new legislation.

Instructor: Dr Michael Oswanski, MD, FACS, Medical Director Trauma Services

The Toledo Hospital

Nursing Bldg, Room 108, 1 Hour EMS CEU-Trauma, Saturday July 11th; 1300-1400

104. Head Injury: This program is a one hour block of instruction on the identification and management of head injuries in the pre-hospital and hospital setting; including identification, types and treatment options.

Instructor: Sherry Lauer, BSN, RN, Director Trauma Services

The Toledo Hospital/Toledo Children's Hospital

Nursing Bldg, Room 108, 1 Hour EMS CEU-Trauma, Saturday July 11th, 1400-1500

105. Blast Injury: List common injuries associated with explosions. Discuss multisystem effect of blast injuries. Describe the emergent treatment of blast injuries. Actual case studies and presentations from Afghanistan will be used.

Instructor: Joe Mollinger RN, EMT-P, Survival Flight

Madison Twp. Fire Department

Nursing Bldg, Room 109, 2 Hours EMS CEU-Trauma, Sunday July 12th: 1500-1700

106. Airway Management: “The anatomy, physiology and pathophysiology of the airway and airway emergencies. Tips, tools, and techniques.”

Instructor: Dr. Ron DiCecco: MD, FACEP Assnt. Medical Director Lenawee County,

Omni Health Services, Ltd

Nursing Bldg, Room 108, 2 Hours EMS CEU-Airway, Saturday July 11th: 0930-1130

107. TAZER and the EMS Responder: A comprehensive study of electronic control devices, the physiology of how they work and the effects they may cause; what is Excited Delirium Syndrome; and the relationship between Law Enforcement and the EMS provider to ensure everyone's safety with aggressive patients.

Instructor: Dr. Donald Brock DO, FACOEP, FACEP

Medical Director Mercy Memorial Hospital System

Sgt. Derek Helinski, Training Coordinator PPCT

Adrian Police Department

Nursing Bldg, Room 108, 2 Hours EMS CEU-Operations/Special Considerations, Sunday July 12th: 0930-1130

108. EKG 12 Lead & STEMI Awareness: The 12-Lead workshop is designed to help emergency care providers use clinically sound 12 Lead EKG acquisition and interpretation skills that are immediately applicable to the emergency care setting. ECG patterns indicative of myocardial ischemia will be discussed as well as assessment and treatment methodology for the Acute Coronary Syndrome patient.

Instructor: Brent Parquette FF/Paramedic Toledo FD, State of Ohio EMS Instructor, Training and Quality Assurance Manager
Lucas County EMS
Nursing Bldg, Room 108 2 Hours EMS CEU-Medical, Sunday July 12th: 1300-1500
ProMedica Air and Mobile

109. Sports Related Injury Management between the ATC and the EMT: Understanding what an Athletic Training Certified is and their role in the evaluation process between EMS and sports related field injuries. ATC's and the emergency action plans.

Instructor: Lauren H. Curley MA, ATC/L Sr. Outreach Athletic Trainer
Nursing Bldg, Room 108, 2 Hours EMS CEU-Trauma, Saturday July 11th: 1500-1700
ProMedica Sports Care

110. OB Trauma: Principals of caring for mothers and babies with traumatic injuries.

Instructor: Jean Butler RN, BSN, Pediatric Trauma Case Manager
Nursing Bldg, Room 109, 2 Hours EMS CEU-Medical/Trauma, Saturday July 11th: 0930-1130
Toledo Children's Hospital

111. Pediatric Trauma: Discuss the most common mechanisms of injury, special pediatric considerations and specific pediatric injury patterns.

Instructor: Jean Butler RN, BSN, Pediatric Trauma Case Manager
Nursing Bldg, Room 109, 2 Hours EMS CEU-Special Considerations/Trauma, Saturday July 11th: 1500-1700
Toledo Children's Hospital

112. Transportation Consideration for the Bariatric Population: Current challenges of transportation of the morbidly obese will be discussed. Discussion will include a review of some of the current technology and techniques that will enable your service to transport this population safely. A review of some of the challenges your service may face in other health care facilities when caring for the bariatric population. A question, answer and discussion period will allow participant to collaborate with their service specific issues related to the bariatric population.

Instructor: Chad Premo NREMT-P, A.S, Ohio EMS Instructor, ACLS Instructor
Nursing Bldg, Room 109, 2 Hours EMS CEU-Operations, Saturday July 11th: 1300-1500
ProMedica Air and Mobile

113. Heart Failure: More than five million people in the United States have been diagnosed with heart failure. It is the most common cause for hospitalization for patients over the age of sixty-five. EMS has been so effective in treating patients in the field who have suffered some sore of cardiac compromise that the numbers continue to rise! The term "Heart Failure" is now replacing the once commonly used "Congestive Heart Failure or CHF" because of a new understanding of the disease.

Instructor: Dave Duval, RN EMT-P ProMedica Air, Chief of Erie Twp Fire Department
Nursing Bldg, Room 106, 2 Hours EMS CEU-Medical, Saturday July 11th: 1300-1500
ProMedica Air and Mobile

114. Crush Injury/Industrial Accident: Crush injuries can occur from many mechanisms. Crush injuries are not tracked numerically, so trying to quantify frequency and severity is difficult. From information gathered and according to the Electronic Library of Construction Occupational Safety and Health (ELCOSH) in 2001, 144 crush injuries were reported out of 737 injuries. The number of crush victims can potentially be staggering. The EMS provider should gain the skill to recognize when a potential for crush injury exists and prepare to treat the net effects of damaged tissue prior to extrication.

Instructor: ProMedica Transportation Network Educational Staff
Nursing Bldg, Room 106, 2 Hours EMS CEU-Trauma, Saturday July 11th: 0930-1130

ProMedica Air and Mobile

115. Bites and Stings/Epi-pen Administration: An all level view of the insect and snake world and what happens when our worlds collide. Basic treatment modalities are reviewed with an emphasis on the Epi-Pen device.

Instructor: Huron Valley Ambulance Education Department
Nursing Bldg, Room 106, 2 Hours EMS CEU-Medical, Sunday July 12th: 1300-1500

Huron Valley Ambulance

116. Mass Casualty: This program provides all level training on the START Triage system as well as the command structure associated with a Mass Casualty Incident

Instructor: Huron Valley Ambulance Education Department
Nursing Bldg, Room 108, 2 Hours EMS CEU-Operations, Sunday July 12th: 1500-1700

Huron Valley Ambulance

117. Respiratory Emergencies: An all level program that reviews the Anatomy and Physiology of the Respiratory system, Assessment techniques for the Respiratory system as well as common disease processes with general management strategies.

Instructor: Huron Valley Ambulance Education Department
Nursing Bldg, Room 106 2 Hours EMS CEU-Airway, Saturday July 11th: 1500-1700

Huron Valley Ambulance

Fire Fighter Education Courses

201. Search & Rescue: Firefighter Search & Rescue class will combine classroom discussion and information concerning search and rescue options, along with hands-on practice of skills and methods. The goal for the student is to be more enlightened, aware, and confident in the skill sets necessary to accomplish a successful victim rescue from a fire environment.

Instructor: Lieutenant Jeff Betz, Training Officer,
Dominican Hall, Room 114, 4 Hours, Saturday July 11th: 1030-1600

Adrian City Fire Department

202. Aerial Ladder Operations: Become familiar with aerial ladder operations and how aerial ladders are of value at the fire scene. Topics include positioning, rescues, ventilation, and elevated streams, as well as effective versus ineffective operations and placement.

Instructors: Mike Springer, Firefighter – Fire Instructor
Scot Long, Assistant Chief - Fire Instructor
Mark Swinehart, Captain - Fire Instructor

Department

Dominican Hall, Room 114, 4 Hours, Saturday July 11th: 0930-1530

Adrian City Fire Department
City of Tecumseh Fire Department
Madison Township Fire

203. Courage To Be Safe: Firefighters must have the courage to face a multitude of risks in order to save lives and protect their communities. Their courage allows them to willingly risk their own lives so that others can be saved. A different type of courage is required to stay safe in potentially dangerous situations, avoiding needless risks and tragic consequences. This provocative and moving presentation is designed to change the culture of accepting the loss of firefighters as a normal occurrence. Building on the untold story of LODD survivors, it reveals how family members must live with the consequences of a firefighter death and provides a focus on the need for firefighters and officers to change fundamental attitudes and behaviors in order to prevent line of duty deaths. The central theme promotes the courage to do the right thing in order to protect yourself and other firefighters and ensure that "Everyone Goes Home" at the end of the day.

Instructor: Martin DeLoach, Michigan Coordinator – "Everyone Goes Home".

Dominican Hall, Room 205, 4 Hours, Saturday July 11th: 1300-1700

204. Public Safety Personnel and Natural Gas: A guide for the handling of a natural gas release or gas-fed fire by public safety agencies.

Instructor: Larry Kitson Safety/Training Administrator

Citizens Gas Fuel Co.

Dominican Hall, Room 206, 2 Hours, Sunday July 12th: 0930-1130

205. Heating Emergencies: Over heating & CO calls.

Instructor: Larry Kitson Safety/Training Administrator

Citizens Gas Fuel Co.

Dominican Hall, Room 206, 1 Hour, Sunday July 12th: 1300-1400

206. Hybrid Hazards: This course is intended to dispel the myths of hybrid vehicles and explain proper techniques for responders to render a hybrid vehicle safe.

Instructor: Jim Gatzke, Toyota Safety

Dominican Hall, Room 114, 4 Hours, Sunday July 12th: 1300-1700

207. Hot Line Demonstration: specifically tailored to Emergency Response Teams, a portable trailer setup including poles and power lines that carry 7200 volts of electricity. This mini distribution system allows us to demonstrate safety equipment as well as show how different elements are affected by electrical contact and most importantly, how to avoid potential hazardous situations.

Dominican Hall Parking Lot, 2 Hours, Saturday July 11th: 0930-1130

Midwest Energy Cooperative

208. Preparing Yourself for Dog Encounters: by learning how to "read a dog's body language" this seminar will teach you how to prepare and protect yourself by recognizing the difference between a harmless encounter and a potentially dangerous one; and what to do about each situation, to remain safe in all kinds of dog encounters.

Instructor: Hector Hernandez, Author, Police K-9 Instructor, Law Enforcement Officer

Dominican Hall, Room 205, 2 Hours, Saturday July 11th, 0930-1130

209. Arson Awareness for the First Responder: covering relevant topics such as scene evidence, witness information, observations en route to the scene, obstructions to scene, observations once on scene and other essentials that fire or police personnel should be cognizant of at fire scenes as it relates to Arson and the devastating effects it has on all of us.

Instructor: Spl. Sgt. Kenneth J. Hersha, 1st District Fire Investigation Unit, National Certification IAAI CFI; Twice selected as Fire Investigator of the Year by International Association of Arson Investigators. Michigan State Police

Dominican Hall, Room 116, 2 Hours, Saturday July 11th, 1300-1700

210. RIT Practical Skills & Firefighter Survival: This course will consist of 8 hours of intense hands-on life saving skills. This course is only a refresher and NOT the complete course, but all are welcome to attend.
Instructors: TBD Cambridge Twp. Fire Department
Location: Cambridge Township Training Center (8657 Slee Rd. Onsted, MI 49265), 8 Hours, Saturday July 11th, 0800-1700

211. Foam and CAF Systems: foam and compressed air foam theory. The class will cover what foam and CAFS is doing for the firefighter during the attack of a fire, the available systems, operation, and some standard maintenance practices. Classroom and outdoor demonstration.

Instructor: Gregg Geske, CAFS and Foam System Sales Manager, Waterous Company. 24 years of firefighting experience.
Currently Chief of the Chanhassen, MN Fire Department utilizing 3 CAFS engines.
Dominican Hall, Room 115, 4 Hours, Sunday July 12th, 1300-1700



212. The Art of Reading Smoke: is a training seminar for local firefighters to instruct crews on the ability to rapidly read the building that smoke is issuing from and decide the right course of action. "Reading Smoke" teaches us how to read a fire and predict its progress. The class includes lecture, discussion, and group activities that will give participants information and experience to be more effective as a First-arriving fire officer and/or Incident Commander.

Instructor: Ernie Close, Ann Arbor Fire Department
Dominican Hall, Room 205, 2 Hours, Sunday July 12th, 0930-1130

213. Aircraft Incident Safety for the First Responders: The goal of this program is to provide an overview of aircraft anatomy and the common hazards, with an emphasis on approaching the aircraft and other safety considerations.

Instructors: Terry Bender Flight Instructor (CFIAM), Commercial Pilot, Airframe Power Plant Mechanic, FF/EMTS, Raisin Twp Fire Department
David J Williamson, Aviation Safety Inspector, FAA DTW FSDO-23
Dominican Hall, Room 206, 4 Hours, Saturday July 11th, 1300-1700

214. Pump Operations & Water Shuttle: This course will combine both classroom lecture and practical application to familiarize the student with an overview of the basic responsibilities of a driver/operator, fire hose nozzles & flow rates, theoretical pressure calculations, fire ground hydraulic calculations, pump theory, operating fire pumps, relay pumping and water shuttle operations.

Instructor: Chief Rick Renard BS Raisin Twp Fire Department
Dominican Hall, Room 204, 2 day event, 12 Hours, Saturday July 11th, 0930-1700 & Sunday July 12th: 0930-1700

215. Trench Competent Person: a class designed to be compliant with OSHA requirements. A comprehensive classroom oriented towards teaching rules and regulations, different required shoring, soil classification and hazard recognition.

Instructor: Educational Staff Safety and Technical Rescue Association (SATRA)
Dominican Hall, Room 116, 8 Hours, MIOSHA approved course, Sunday July 12th, 0800-1700

216. Technical Rescue Awareness: an introduction to the field of Search and Rescue with analysis of various aspects of Search and Rescue work and how they tie together. Designed to be compliant with NFPA 1670 and OSHA requirements. Recommended for those with a personal interest in pursuing further education in Search and Rescue.

Instructor: Educational Staff
Dominican Hall, Room 115, 6 Hours, Saturday July 11th, 0930-1700

Safety and Technical Rescue Association (SATRA)

217. Grain Entrapment Training: This course is designed to raise awareness about the hazards associated with grain storage bins, rescue procedures and the right approach to rescue a person from an entrapment situation. This course will provide both classroom and hands on training with demonstrations of Grain Bridging and Grain Rescue Tube.

Instructor: Roger Ward, Cptn. Swanton Fire Department, Fire Brigade Chief of The Andersons
Offsite location: Halliwill Farms, 2400 Wilkinson Hwy, Adrian, MI. Saturday July 11th. 1000-1200
and repeated Sunday July 12th 1300-1500



218. Wood Truss Construction and Fire Performance: This workshop is focused on educating firefighters with the goal of improving fire safety when it comes to structural building components, as well as addressing the facts surrounding the performance of metal plate connected wood trusses when fire strikes. The program includes a brief background on the truss industry, industry concepts and metal connector plates. It also discusses the effects of fire on truss plates and lumber, the fire performance of buildings, the Phoenix Fire tests, construction details, concealed spaces and stability and finger-jointed trusses.

Instructor: Structural Building Components Association (SBCA) in concert with the Wood Truss Council of Michigan(WTCM).
Dominican Hall, Rueckert Auditorium, 2 Hours Saturday July 11th, 0930-1130

219. How to Read Truss Documentation

This workshop discusses the important information printed on truss design drawings that guides users on how to best design, install and inspect projects using metal plate connected wood trusses. This workshop also discusses the information printed on truss placement diagrams – how to read the information and perform easier and more efficient truss installations.

Instructor: Structural Building Components Association (SBCA) in concert with the Wood Truss Council of Michigan (WTCM).
Dominican Hall, Rueckert Auditorium, 2 Hours Saturday July 11th, 1300-1500

Fire & EMS Education Courses

301. National Farmedic Extrication Training Program: Sponsored by McNeil and Associates. designed to provide training and education in the methods of farm/rural rescue that are essential for proper response and safety of the rescuer and patient. The main goal of the NFTP, developed by Cornell University, is to provide rural fire/rescue responders with a systematic approach to farm rescue procedures that address the safety of both patients and responders

Instructors: Mark Cleveland Asst. Chief , EMTP/ OFFT Instructor / Certified Farmedic Instructor
Jeff Armstrong Asst. Chief , MFR / OFFT Instructor / Certified Farmedic Instructor

Addison Fire Department
Cambridge Fire Department

Dominican Hall, Room 116, 12 Hours EMS CEU-Operations, 2 day event:
Saturday July 11th: 0930-1800 and Sunday July 12th: 0800-1700.

302. CEVO II: This four hour course, organized by the National Safety Council, provides multi-media defensive driving training. Driving tactics covered in the course include vehicle inspection, driving in adverse weather, discussion of department policies, vehicle placement in traffic, the public's reaction to emergency vehicles in traffic, safe return from a call, and rural, field, and off-road driving. This course meets the MDCH Agency Inspection requirement for department approved vehicle operation education and competency assessment.

Instructor: Deputy Chief David Aungst, Fire IC

Addison Fire & EMS/ProMedica Air & Mobile

Dominican Hall, Room 205, 4 Hours EMS CEU-Operations, Sunday July 12th: 1300-1700

303. Vehicle Extrication: covering the basic concepts of extrication. The session consists of an orientation to various tools and equipment such as hydraulic rescue tool systems, air-lifting bags, manual extrication equipment, and various stabilization equipment. Initial scene stabilization & extrication techniques will be completed on cars on their wheels. This will be a hands-on-class requiring proper PPE for vehicle extrication. There is an emphasis on new vehicle technology and how to safely extricate patients from these vehicles.

Instructors: Terry Massingill, Asst. Chief \ EMT-S State of Michigan Basic Vehicle Extrication/Advanced Vehicle Stabilization Ins
Dundee Twp. Fire Department

Aric Massingill, Firefighter\ Paramedic, Michigan Service Technician Holmatro Rescue Tools, Adrian Fire Department
Dominican Hall, Room 204, 4 Hours EMS CEU-Operations, Sunday July 12th: 1030-1600

304. Hot Zone Rescue: The most dangerous element of any HAZMAT incident, both to the exposed victims and the rescuers, is the rescue from the hot zone. Rescue operations should always be performed using appropriate protective equipment (PPE). With the most recent revision to NFPA 472 and the addition of Mission specific objectives, properly trained First Response Operations trained personnel can perform "Hot Zone Rescue". This program will identify the needed competencies for the responder to perform safely and effectively using firefighter turn out gear to perform hot zone rescue.

Instructor: Tony Garcia, Program Manager: Emergency Management & Homeland Security
Dominican Hall, Room 203, 6 Hours EMS CEU-Operations, Saturday July 11th: 0930-1700

Michigan State Police

305. HAZMAT Refresher for the First Responder Operations Level: In accordance to OSHA CFR 1910.120 and MIOSHA Part 432 the HAZWOPER standards, those trained as Incident Commanders, first responder operational level responders will require annual refresher training. This program will address all defensive tactical responsibilities operational level trained personnel have for performing at hazmat incidents including:

1. Knowledge of the basic hazard and risk assessment techniques.
2. Knowing how to select and use proper personal protective equipment provided to the first responder operational level.
3. Understanding basic hazardous materials terms.
4. Knowing how to perform basic control, containment, and confinement operations within the capabilities of the resources and personal protective equipment available to their unit.
5. Knowing how to implement basic decontamination procedures.
6. Understanding the relevant standard operating procedures and termination procedures.

Instructor: Tony Garcia, Program Manager: Emergency Management & Homeland Security
Dominican Hall, Room 203, 6 Hours EMS CEU-Operations, Sunday July 12th: 0930-1700

Michigan State Police

306. Emergency Management 101: Emergency management is the managerial function charged with creating the framework within which communities reduce vulnerability to hazards and cope with disasters. This workshop will focus on how first responders interact with their emergency management division and identify the responsibilities they share.

Instructors: Curtis A. Parsons, BAS , EMT-S
Sheriff -Jack Welsh, PEM

Lenawee County Coordinator, Office of Emergency Management
Lenawee County Sheriff's Department

Dominican Hall, Room 114, 2 hours EMS CEU-Operations, Sunday July 12th, 0930-1130

307. MIOC/Fusion Center: The Michigan Intelligence Operations Center (MIOC) was established in January 2007. This workshop will inform the first responder of what the fusion center is and the information they share with all disaster workers prior to, during and after a disaster.

Instructor: Lt. James Wolf State Supervisor, Michigan Intelligence Operations Center,
Dominican Hall, Room 206, Saturday July 11th, 0930-1130

Michigan State Police

308. Meth Labs: This course presents the physical conditions, human activities and hazardous materials commonly found at clandestine drug labs and familiarize emergency response personnel with the dangers of illegal drug labs, and presents appropriate responses when encountering drug labs.

Instructor: Lt. Tony Saucedo

Michigan State Police

Dominican Hall, Room 114, 4 Hours EMS CEU-Operations, Saturday July 11th, 1300-1700