



2009-2010 EMERGENCY MANAGEMENT & HOMELAND SECURITY TRAINING CENTER COURSES

FY 2010 Courses

COURSE TITLE	LOCATION	DATES
306/307 Cargo Tank Workshop	Lansing	10/23/09 12/1/09 2/8/10 4/9/10 6/9/10 9/1/10
Advanced Air Monitoring	Lansing	2/23-25/10 6/15-17/10
Air Monitoring for First Responder Operations Personnel	Lansing	11/10/09 1/23/10 4/6/10 5/15/10
Air Monitoring for Hazardous Materials EPA 165.4	Lansing	12/4-6/09 3/8-10/10 4/16-18/10 5/24-26/10 9/13-15/10
CAMEO Suite	Lansing	1/11-14/10
CBRNE/WMD Awareness (AWR-160)	Various	Call 517-322-1585 to schedule.
CBRNE/WMD Defensive Operations	Lansing	1/21-22/10
CBRNE/WMD Defensive Operations for Health Care Professionals	Lansing	2/9-10/10
CBRNE/WMD Defensive Operations for Health Care Professionals -TTT	Lansing	2/11/10
CBRNE/WMD Radiological/Nuclear Awareness	Various	Call 517-322-1853 to schedule.
CBRNE/WMD Technician for Hazmat Technicians	Various	Call 517-322-1853 to schedule.
Chemistry I	Lansing	11/18-20/09 12/11-13/09 3/5-7/10 9/8-10/10
Chemistry II	Lansing	10/5-7/09 12/7-9/09 1/8-10/10 3/12-14/10
Confined Space Rescue – Emergency Response 32 hr.	Various	Call 517-322-1853 to schedule.
Confined Space Rescue – Private Sector	Site Specific	Call 517-322-1853 to schedule.
Continuity of Operations (COOP)	Lansing	11/12-13/09 5/11-12/10
DHS-ODP Programs	Out-of-State	Call 517-322-1853 for schedules.
First Aid/CPR/AED	Site Specific	Call 517-322-6320 to schedule.

Hazardous Materials Brch Dir./Brch Safety Off. (NFPA 472, Ch. 11 & 12)	Lansing	10/16-18/09 11/4-6/09 3/26-28/10 5/19-21/10 8/6-8/10 8/18-20/10
Hazardous Materials Incident Command Level Responder Refresher	Lansing	11/23/09 2/13/10 4/7/10 6/5/10
Hazardous Materials Incident Response Operations EPA 165.5 (40-Hr. HAZWOPER)	Lansing	2/1-5/10 8/23-27/10
Hazardous Materials Operations Level Responder Refresher	Lansing	12/10/09 2/27/10 7/19/10 8/21/10
Hazardous Materials Operations Level Response - Private Sector	Site Specific	Call 517-322-1853 to schedule.
Hazardous Materials Technician Level Program - Private Sector - OSHA Compliant	Site Specific	Call 517-322-1853 to schedule.
Hazardous Materials Technician Level Responder Refresher	Lansing	11/24/09 1/20/10 4/24/10 8/28/10
Hazardous Materials Technician Part I	Lansing	10/26-30/09 2/5-7,19-21/10 4/19-23/10 6/11-13,25-27/10 7/26-30/10 9/10-12,17-19/10
Hazardous Materials Technician Part II	Lansing	10/2-4,16-18/09 11/2-6/09 3/19-21,26-28/10 5/17-21/10 7/16-18, 8/6-8/10 8/16-20/10
Hazardous Waste Operations (HAZWOPER) 8-Hr. Refresher	Lansing	11/17/09 1/15/10 3/22/10 6/10/10 9/17/10
Hazardous Waste Operations for Site Supervisors	Various	Call 517-322-1853 to schedule.
Hot Zone Rescue for First Responder Operations	Lansing	Call 517-322-1853 to schedule.
Hot Zone Rescue for First Responder Operations TTT	Lansing	Call 517-322-1853 to schedule.
ICS 300 – Intermediate ICS for Expanding Incidents	Lansing	10/19-20/09 FULL 3/11-12/10
ICS 400–Advanced ICS Command & General Staff–Complex	Lansing	10/21-22/09

Incidents		3/23-24/10
Incident Command System/Emergency Operations Center (ICS/EOC) Interface - All Disciplines	Lansing	12/4/09 1/30/10 5/27/10 7/24/10
Initial Law Enforcement Response to Suicide Bombing Attacks (ILERSBA)	Lansing	11/17/09
International Trauma Life Support (ITLS)	Various	Call 517-322-6320 to schedule.
International Trauma Life Support (ITLS) Refresher	Various	Call 517-322-6320 to schedule.
Mercury Spill Response	Lansing	10/8/09 12/2/09 2/17/10 4/8/10 6/7/10 8/30/10
Permit Required Confined Space (PRCS) Entry – Private Sector	Site Specific	Call 517-322-1853 to schedule.
Prevention & Response to Suicide Bombing Incidents	Lansing	11/12/09 6/11/10
Professional Recognition Programs	Various	Call 517-322-1853 for more information.
Propane Emergency Response	Lansing	11/9/09 12/3/09 2/18/10 4/5/10 6/8/10 8/31/10

Conferences

CONFERENCE	LOCATION	DATES
2009 Summit Conference	Acme	10/12-14/09
2010 No Spills Conference	Traverse City	1/11-13/10
2010 Great Lakes Homeland Security Training Conference & Expo	Grand Rapids	5/4-6/10

306/307 Cargo Tank Workshop

[Return to List](#)

One of the most common cargo tanks on the highways today is the MC306/307 and DOT 406/407 tank trucks. This 8-hour training session focuses on the tactical risks of how to handle a gasoline cargo tank when it leaks, leaves the roadway, or becomes involved in a fire. The course will concentrate on risk based response decision making and will also familiarized the emergency responder with basic construction features, vents, valves, and other critical operations that must be understood before taking offensive operations. The course will be primarily hands-on and will involve leak control, product transfer, dome clamp application, drilling/tapping procedures, and fire control techniques in response to a 306/307 emergency.

Prerequisite: First Responder Operations

Hours: 8

Cost: \$200

Dates: October 23, 2009
December 1, 2009
February 8, 2010
April 9, 2010
June 9, 2010
September 1, 2010

Register NOW!

Advanced Air Monitoring

[Return to List](#)

Recent technological advances and funding increases have led to a dramatic increase in detection instrumentation that hazardous materials technicians use. This program will cover all of the major detection techniques, including colorimetric detectors and papers, electrochemical sensors, ionization detectors, ion mobility spectroscopy, surface acoustic wave detectors, flame photometric detectors, gas chromatography, mass spectroscopy, atomic absorption, Raman scattering, and Fourier transform infrared spectroscopy. This course starts with lecture, followed by skills stations and field exercises, and then ends with a final exercise. More than 50% of the class time is hands on training and exercises.

This course is Department of Homeland Security (DHS) accepted and applicable to the use of DHS grant funds.

Prerequisite: Hazardous Materials Technician Part I and Air Monitoring for Hazardous Materials EPA 165.4

Hours: 40

Cost: \$655 (4 nights of double occupancy lodging included)

Dates: February 23-25, 2010
June 15-17, 2010

Register NOW!

Air Monitoring for First Responder Operations Personnel

[Return to List](#)

This one-day course provides participants with the knowledge and skills necessary to monitor for airborne hazardous substances at incidents. The primary focus of this course will be the first due company and what their priorities are for air monitoring and corresponding action levels. Through the utilization of basic air monitoring, the first due company can better identify the hazards and choose the best course of actions based on the principles of risk based response. A variety of instruments will be used during the course presentation and practical exercises, including combustible gas indicators, oxygen sensors, and different test papers. A must attend course for every operations trained first responder.

This course is Department of Homeland Security (DHS) accepted and applicable to the use of DHS grant funds.

Prerequisite: First Responder Operations

Hours: 8

Cost: \$140

Dates: November 10, 2009
January 23, 2010
April 6, 2010
May 15, 2010

Register 

Air Monitoring for Hazardous Materials EPA 165.4

[Return to List](#)

This three-day course provides participants with the knowledge and skills necessary to monitor and sample for airborne hazardous substances. A variety of instruments will be used during the course presentation and practical exercises, including combustible gas indicators, oxygen sensors, colorimetric tubes, photo ionization detectors, flame ionization detectors, and sampling pumps. Topics to be covered include monitoring programs, monitoring and sampling techniques, equipment selection, equipment calibration and use, exposure guidelines, air dispersion modeling, and safety planning.

This course is Department of Homeland Security (DHS) accepted and applicable to the use of DHS grant funds.

Prerequisite: Hazardous Materials Technician Part I

Hours: 24

Cost: \$375 (2 nights of double occupancy lodging included)

Dates: December 4-6, 2009*
March 8-10, 2010
April 16-18, 2010*
May 24-26, 2010
September 13-15, 2010

Register 

* Weekend Course Hours: Friday 6 PM – 10 PM, Saturday and Sunday 8 AM – 6 PM

CAMEO® (Computer-Aided Management of Emergency Operations) is a system of software applications widely used to plan for and respond to chemical emergencies. This course supports regulatory compliance by helping users meet the chemical inventory reporting requirements of the Emergency Planning and Community Right-to-Know Act. CAMEO can also be used with separate software applications such as MARPLOT, ALOHA, and Land View.

As part of the course cost, students will receive the most recent software releases of CAMEO, MARPLOT, and ALOHA which can be loaded on their computers.

- CAMEO® integrates a chemical database and a methodology to manage data, an air dispersion model, and a mapping capability. All modules work interactively to share and display critical information in a timely fashion. The CAMEO system is available on Macintosh and Windows operating systems.
- MARPLOT® (Mapping Applications for Response, Planning, and Local Operational Tasks) is a mapping application which allows users to "see" their data (e.g., roads, facilities, schools, response assets), display this information on computer maps, and print the information on area maps. The areas contaminated by potential or actual chemical release scenarios can also be overlaid on the maps to determine potential impacts.
- ALOHA® (Aerial Locations of Hazardous Atmospheres) is an atmospheric dispersion model used for evaluating releases of hazardous chemical vapors. ALOHA allows the user to estimate the downwind dispersion of a chemical cloud based on the toxicological/physical characteristics of the released chemical, atmospheric conditions, and specific circumstances of the release.
- Land View 6 is software that provides federal, environmental, and census data maps.

Students are encouraged to bring their laptops to the course.

Hours: 32

Cost: \$495 (3 nights of double occupancy lodging included)

Dates: January 11-14, 2010

Register 

CBRNE/WMD Awareness (AWR-160)

[Return to List](#)

Developed by the National Domestic Preparedness Consortium (NDPC), this WMD Awareness course is a six-hour training program providing emergency responders with awareness-level instruction about recognition, avoidance, isolation, and notification techniques in a weapon of mass destruction (WMD) environment. This course covers the strategies of prevention, deterrence, and identification of potential terrorist acts, as well as targets, and chemical, biological, radiological, nuclear, and explosive (CBRNE) hazards.

Hours: 6

Cost: Call for cost

Call (517) 322-1585 or e-mail harrisdc@michigan.gov to schedule.

CBRNE/WMD Defensive Operations

[Return to List](#)

This 16-hour course, recommended for Law Enforcement, is a CBRNE Mission Specific, Operations Level course focusing on the special challenges responders face dealing with a WMD (CBRNE) or terrorist incident. This course meets all competencies identified for WMD response in the revised 2007 NFPA 472 standard, Chapter 5.

Participants will learn how to respond to a CBRNE incident in a defensive mode. Concentrating on the characteristics of these materials, responders will be able to prevent the spread of the hazard to the public and environment. The CBRNE Defensive Operations course will provide the tools necessary to respond safely and effectively to CBRNE incidents. This course also includes an assessment of a mass casualty incident, emergency decontamination, mass decontamination, and the ability to determine downwind hazards.

This course is designed around lectures, interactive exercises, and group scenarios which include seven distinct modules. Included in each module are activities and exercises designed to allow participants to apply the information learned in each module.

Restricted to: Fire, Law Enforcement, Emergency Management, or other responding disciplines

Prerequisite: First Responder Awareness

Hours: 16

Cost: \$290 (1 night of double occupancy lodging included)

Dates: January 21-22, 2010

Register 

CBRNE/WMD Defensive Operations for Health Care Professionals

[Return to List](#)

This 16-hour course includes materials that bring the student up to the hazmat operations level and covers the additional information required by the OSHA First Receiver Standard regarding decontamination and personal protective equipment for hospital personnel. Also covered in this course is information about weapons of mass destruction and the decontamination of those agents. This class provides hands-on decontamination activities, decon line setup, and dressout in protective clothing to support the classroom presentations.

Prerequisite: CBRNE/WMD Awareness is recommended

Hours: 16

Cost: \$290 (1 night of double occupancy lodging included)

Dates: February 9-10, 2010

Register 

CBRNE/WMD Defensive Operations for Health Care Professionals Train-the-Trainer

[Return to List](#)

This eight-hour course includes materials covered in the CBRNE/WMD Defensive Operations for Health Care Professionals course, but is taught at a pace for people who will be instructing their own staff. Also covered will be suggestions about presenting the course material. This course is geared for people who already have training skills and are presently instructors.

Prerequisites: CBRNE/WMD Defensive Operations for Health Care Professionals and be a Certified Instructor.

Hours: 8

Cost: \$140

Dates: February 11, 2010

Register 

CBRNE/WMD Radiological/Nuclear Awareness

[Return to List](#)

This course is an ODP certified training course which is a weapons of mass destruction (WMD) radiological/nuclear overview designed for first responders and other personnel likely to be the first to arrive on the scene of a radiological/nuclear incident. This course focuses on the basics of radiation, possible health effects, hazard identification, and proper notification procedures. The course consists of classroom instruction by United States Department of Homeland Security, Office of Domestic Preparedness certified instructors.

Hours: 4

Cost: Call for cost

Call (517) 322-1853 or e-mail garciat@michigan.gov to schedule.

CBRNE/WMD Technician for Hazmat Technicians

[Return to List](#)

The CBRNE/WMD Technician for Hazmat Technicians training course is a three-day, in-depth training course in the composition, action, identification, and decontamination of CBRNE agents that have the potential for use in a terrorist incident. This course also includes training in the preservation of evidence at a CBRNE scene, an overview of the international and domestic terrorist threat, and a series of practical exercises involving WMD detection, identification, and protective equipment and techniques for operating at a CBRNE terrorist incident. This training course culminates with a multi-task, hands-on training exercise.

This course meets all competencies identified for CBRNE response in the revised 2007 NFPA 472 standard - Chapter 8.

Prerequisite: Hazardous Materials Technician Parts I and II

Hours: 24

Cost: Call for cost

Call (517) 322-1853 or e-mail garciat@michigan.gov to schedule

Chemistry I

[Return to List](#)

The Chemistry of Hazardous Materials courses presented by the Emergency Management and Homeland Security Training Center are designed to meet the needs of personnel involved at various stages of hazardous materials planning and response. The Chemistry course series provides a chemistry background for any person who comes in contact with hazardous materials in transportation, a facility, or the workplace, and provides practical application of this knowledge to planning activities, hazard communication programs, and chemical spill responses.

Chemistry I provides students with an introduction to the chemistry of hazardous materials. This course will explore basic chemistry concepts, areas such as: elements, atomic structure, the periodic table, electronic configuration, bonding, and chemical formulas. In addition, the chemistry and hazards associated with hydrocarbons, hydrocarbon derivatives, and fire and pyrolysis will be covered in detail.

Hours: 24

Cost: \$430 (2 nights of double occupancy lodging included)

Dates: November 18-20, 2009
December 11-13, 2009*
March 5-7, 2010
September 8-10, 2010*

Register NOW!

* Weekend Course Hours: Friday 6 PM – 10 PM, Saturday and Sunday 8 AM – 6 PM

Chemistry II

[Return to List](#)

Chemistry II is the next level course in this series which reinforces the information and concepts learned in Chemistry I. This course will explore, in detail, the chemistry of each of the Department of Transportation's (DOT's) nine hazard classes.

Prerequisite: Chemistry I

Hours: 24

Cost: \$375 (2 nights of double occupancy lodging included)

Dates: October 5-7, 2009
December 7-9, 2009
January 8-10, 2010*
March 12-14, 2010*

Register NOW!

* Weekend Course Hours: Friday 6 PM – 10 PM, Saturday and Sunday 8 AM – 6 PM

Confined Space Rescue – Emergency Response 32-Hour

[Return to List](#)

This course has been developed for members of public and private sector emergency rescue organizations and meets the objectives of the NFPA 1670 Technical Rescue Standard. This course provides the information and skills necessary for emergency response organizations to effectively and safely conduct confined space rescue operations. Areas covered will include: confined space regulations, incident management, interior operations, atmospheric monitoring, rescue ventilation, lockout for rescue, respiratory protection, PPE, rescue team development, and pre-planning.

Hours: 32

Cost: Call for Cost

Call (517) 322-1853 or e-mail garciat@michigan.gov to schedule.

Confined Space Rescue – Private Sector

[Return to List](#)

Under existing health and safety rules, rescue capability must be readily available at every location where workers enter a permit-required confined space (PRCS). The primary goal of this rescue course is to teach students how to develop pre-accident plans for various rescues and rescue skills needed to remove a victim from a permit space.

This two-day course is for anyone who, during the course of their employment, is expected to make rescues from confined spaces. This course is a combination of classroom and practical scenarios in actual confined spaces. The program content is easily modified to meet the specific hazards of the PRCS of your facility.

Course Objectives

- Preparing a rescue plan
- Rescue equipment overview
- Patient packaging
- Air supply systems
- Command and communicator (radio communications systems)
- Air monitoring
- Lockout/tagout

Prerequisite: Permit Required Confined Space Entry - Private Sector

Hours: 16

Cost: Call for cost

Continuity of Operations (COOP)

[Return to List](#)

The objective of COOP is to ensure a viable capability exists to continue essential functions across a wide range of potential emergencies, specifically when the primary facility is either threatened or inaccessible. While much of the current focus on contingency planning grows out of the aftermath of the autumn 2001 attacks, continuity of operations planning is an ongoing effort that predates the attacks and grows out of efforts to prepare government and business to withstand disasters and other unforeseen occurrences. The class will help the student identify the need, develop, and implement a Continuity of Operations Plan for their specialty.

Prerequisite: IS-546 Continuity of Operations (COOP) Awareness Course

Hours: 16

Cost: \$290 (1 night of double occupancy lodging included)

Dates: November 12-13, 2009
May 11-12, 2010

Register NOW!

DHS-ODP Programs

[Return to List](#)

The Office for Domestic Preparedness (ODP) is the lead federal agency for the development and delivery of Weapons of Mass Destruction (WMD) terrorism response training for the nation's federal, state, and local public safety personnel. The ODP training program enhances the capability of the nation to prepare for and respond to events of terrorism involving weapons of mass destruction, including Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) devices. The ODP awards grants to state and local jurisdictions based upon needs and vulnerability assessments. The ODP provides assistance to state and local jurisdictions through equipment acquisition support, training, exercises, and technical assistance.

The ODP training programs are tailored for a broad spectrum of emergency responders, including fire service, hazardous materials, law enforcement, emergency medical services, public health, emergency management, public works agencies, governmental administrative, healthcare, and public safety communications.

ANNISTON, ALABAMA

<https://cdp.dhs.gov/>

- WMD Technical Emergency Response Training Course (TERT) *This course is not for HAZMAT technicians.
- WMD Hazardous Material Technician Training Course (HT)
- WMD Incident Command Training Course (IC)
- WMD Hands-On Training Course (HOT)
- WMD Law Enforcement Protective Measures (LEPM TtT)
- Instructor Training Certification Course (ITC)
- Health Care Leadership and Administrative Decision-Making in Response to WMD Incidents (NOBLE)

Hours: Vary

Fee: No Charge

DUGWAY, UTAH - Advanced

www.acbirc.net

- Chemical/Biological Integrated Response Course (ACBIRC)

Hours: Vary

Fee: No Charge

BECTEL, NEVADA - WMD

www.nv.doe.gov/combatingterrorism

- WMD Radiological/Nuclear Course for HazMat Technicians

Hours: Vary

Fee: No Charge

Prerequisites: Hazmat Technician

SOCORRO, NEW MEXICO

www.emrtc.nmt.edu

- Incident Response to Terrorist Bombings Course (IRTB)
- Prevention and Response to Suicide Bombing Incidents (PRSBI)

Hours: Vary

Fee: No Charge

Prerequisites: Limited to operational and technical level firefighters, law enforcement officers with specialized skills/responsibilities, and other emergency response personnel with a demonstrated need for this training.

Please contact your State Point Of Contact (POC), Sgt. Dennis Harris at 517-322-1585 or email harrisdc@michigan.gov to apply for the courses.

First Aid/CPR/AED

[Return to List](#)

This emergency medical class provides participants with the training to perform Standard First Aid procedures and Cardiopulmonary Resuscitation in conjunction with the use of an Automated External Defibrillator. The participants will also be able to recognize and properly handle blood borne pathogens in compliance with OSHA and MIOSHA standards. This class is essential for anyone who responds to medical emergencies within their workplace.

Hours: 16

Cost: Call for cost

Call 517-322-6320 or e-mail waierc@michigan.gov to schedule.

Hazardous Materials Branch Director/Branch Safety Officer (NFPA 472, Chapter 11 and 12)

[Return to List](#)

This three-day course is intended to provide participants with the knowledge and skills necessary to meet the educational competencies as outlined in NFPA 472, Chapter 11: Competencies for the Hazardous Materials Branch Director and Chapter 12: Competencies for the Hazardous Materials Branch Safety Officer. The Hazardous Materials Branch Director is the person responsible for directing and coordinating all operations assigned to the hazardous materials branch by the Incident Commander. The Hazardous Materials Branch Safety Officer is the person working within the Unified Incident Command System (UICS) to ensure that recognized safe practices are followed within the hazardous materials branch.

This course is designed around lecture, group led discussions, and multiple tabletop exercises.

Prerequisite: Hazardous Materials Technician

Hours: 24

Cost: \$375 (2 nights of double occupancy lodging free)

Dates: October 16-18, 2009*
November 4-6, 2009
March 26-28, 2010*
May 19-21, 2010
August 6-8, 2010*
August 18-20, 2010



* Weekend Course Hours: Friday 6 PM – 10 PM, Saturday and Sunday 8 AM – 6 PM

Hazardous Materials Incident Command Level Responder Refresher [Return to List](#)

In accordance to OSHA CFR 1910.120 and MIOSHA Part 432 the HAZWOPER standards, those trained as Incident Commanders, first responder operational level responder, or hazmat technicians for response to hazmat incidents will require annual refresher training.

"Those employees who are trained in accordance with the provisions of this rule (MIOSHA Part 432) shall receive annual refresher training of sufficient content and duration to remain competent with respect to their duties and functions or shall demonstrate competency in those areas at least yearly."

This program will review the following competencies for Incident Commanders:

1. Knowing and being able to implement the employer's incident command system.
2. Knowing how to implement the employer's emergency response plan.
3. Knowing and understanding the hazards and risks associated with employees who work in chemical protective clothing.
4. Knowing how to implement the local emergency response plan.
5. Being aware of the state emergency response plan and the federal regional response team.
6. Knowing and understanding the importance of decontamination procedures.

Prerequisite: First Responder Operations, ICS 100, 200 or equivalent

Hours: 8

Cost: \$140

Dates: November 23, 2009
February 13, 2010
April 7, 2010
June 5, 2010

Register 

Hazardous Materials Incident Response Operations EPA 165.5 (40-hr. HAZWOPER)

[Return to List](#)

Michigan's Emergency Management and Homeland Security Training Center is an approved external provider of this EPA 40-hour training program which is designed for personnel involved with the investigation and remediation of hazardous waste sites. Upon completion of this, students will be more knowledgeable about hazardous waste site operations, team functions, personnel health and safety, and field monitoring equipment. The following topics are included in this course: hazard recognition, air monitoring, toxicology, respiratory protection, levels of protection and chemical protective clothing, site entry and reconnaissance, radiation survey instruments, decontamination, and response organization. This course is based on HAZWOPER 1910.120.

Hours: 40

Cost: \$600 (4 nights of double occupancy lodging included)

Dates: February 1-5, 2010
August 23-27, 2010

Register 

Hazardous Materials Operations Level Responder Refresher

[Return to List](#)

In accordance to OSHA CFR 1910.120 and MIOSHA Part 432 the HAZWOPER standards, those trained as Incident Commanders, first responder operational level responder, or hazmat technicians for response to hazmat incidents will require annual refresher training.

"Those employees who are trained in accordance with the provisions of this rule (MIOSHA Part 432) shall receive annual refresher training of sufficient content and duration to remain competent with respect to their duties and functions or shall demonstrate competency in those areas at least yearly."

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.

Prerequisite: First Responder Operations

Hours: 8

Cost: \$140

Dates: December 10, 2009
July 19, 2010
August 21, 2010



Hazardous Materials Operations Level Response – Private Sector

[Return to List](#)

This program is designed for private sector and intended to provide the client with the minimum amount of training required under OSHA regulations and applicable MIOSHA rules. Course content includes implementing the employer's emergency response plan, use of field survey instruments to classify, identify, and verify hazardous materials used on site, incident command, use of personal protective equipment provided by the employer, decontamination, hazard/risk assessment, control/containment/confinement techniques, termination procedures, and basic chemical and toxicological terminology and behavior relevant to the materials used or stored on site.

Prerequisite: Hazard Communication or First Responder Awareness

Hours: 8, 16, or 24 hours – based upon each facility's site-specific hazards

Cost: Call for cost

Call (517) 322-1853 or e-mail garciat@michigan.gov to schedule.

Hazardous Materials Technician Level Program – Private Sector – OSHA Compliant

[Return to List](#)

This course provides information and skills needed to recognize, evaluate, and control an incident involving the release, or potential release, of hazardous materials at the technician level. The focus of this course is on recognizing and evaluating a hazardous materials incident, organizing the response team, identifying and using response resources, decision-making, and protecting the public and environment. Participants will wear fully encapsulating chemical protective ensembles.

This course addresses the training competencies of 29 CFR 1910.120 and Michigan's CIS/OHS-HAZWOPER Part 432.

Course content includes implementing the employer's emergency response plan, use of field survey instruments to classify, identify, and verify hazardous materials used on-site, incident command, use of personal protective equipment provided by the employer, decontamination, hazard/risk assessment, control/containment/confinement techniques, termination procedures, and basic chemical and toxicological terminology and behavior relevant to the materials used or stored on-site. Students will qualify to perform limited offensive tactics required for site specific hazards.

The course length will be at a minimum 24 hours and up to 40 hours. A site hazard analysis will be performed of the facility to determine the recommended length the program should be.

Prerequisite: First Responder Operations

Hours: 24

Cost: Call for cost

Call (517) 322-1853 or e-mail garcia@michigan.gov to schedule.

Hazardous Materials Technician Level Responder Refresher

[Return to List](#)

In accordance to OSHA CFR 1910.120 and MIOSHA Part 432 the HAZWOPER standards, those trained as Incident Commanders, first responder operational level responder, or hazmat technicians for response to hazmat incidents will require annual refresher training.

"Those employees who are trained in accordance with the provisions of this rule (MIOSHA Part 432) shall receive annual refresher training of sufficient content and duration to remain competent with respect to their duties and functions or shall demonstrate competency in those areas at least yearly."

This program will address all offensive tactical responsibilities technician level trained personnel have for performing at hazmat incidents including:

1. Knowing how to implement the employer's emergency response plan.
2. Knowing the classification, identification, and verification of known and unknown materials by using field survey instruments and equipment.
3. Being able to function within an assigned role in the incident command system.
4. Knowing how to select and use proper specialized chemical personal protective equipment provided to the hazardous materials technician.
5. Understanding hazard and risk assessment techniques.
6. Being able to perform advance control, containment, and confinement operations within the capabilities of the resources and personal protective equipment available to the unit.
7. Understanding and implementing decontamination procedures.
8. Understanding termination procedures.
9. Understanding basic chemical and toxicological terminology and behavior.

Prerequisite: Hazardous Materials Technician (24-hour, 40-hour, or 80-hour)

Hours: 8

Cost: \$140

Dates: November 24, 2009
January 20, 2010
April 24, 2010
August 28, 2010

Register 

Hazardous Materials Technician Part I

[Return to List](#)

This course provides information and skills needed to recognize, evaluate, and control an incident involving the release, or potential release, of hazardous materials at the technician level. The focus of this course is on recognizing and evaluating a hazardous materials incident, organizing the response team, identifying and using response resources, decision-making, and protecting the public and environment. This course contains approximately 24 hours of classroom presentation, and 16 hours of hands-on exercises and equipment use, thus allowing for the practical application of all lecture and hands-on information the students have received. Participants will wear fully encapsulating chemical protective ensembles.

This course has been completely reworked and overhauled to better meet the needs of the hazardous materials response community to achieve the NIMS requirements for Hazardous Materials Response Teams and addresses the competencies of 29 CFR 1910.120, Michigan's CIS/OHS-HAZWOPER Part 432, NFPA 472, and HMEP Guidelines for Public Sector Hazardous Materials Training. The new program is based on an 80-hour training curriculum that is broken down into many formats to allow more responders the opportunity to attend the training.

Prerequisite: First Responder Operations

Hours: 40

Cost: \$600 (4 nights of double occupancy lodging included)

Dates: October 26-30, 2009
February 5-7, 19-21, 2010*
April 19-23, 2010
June 11-13, 25-27, 2010*
July 26-30, 2010
September 10-12, 17-19, 2010*



* Weekend Course Hours: Friday 6 PM – 10 PM, Saturday and Sunday 8 AM – 5 PM

Hazardous Materials Technician Part II

[Return to List](#)

This advanced-level course includes specific training about a variety of fixed site and transportation topics an emergency responder is likely to encounter. Instruction and practical application is included regarding small package goods, chlorine cylinders, drum patching/handling, highway cargo tanks, railroad tank cars, product transfer operations, and above-ground storage tanks. The skills learned are reinforced through a variety of hands-on applications and response scenarios.

This course has been completely reworked and overhauled to better meet the needs of the hazardous materials response community to achieve the NIMS requirements for Hazardous Materials Response Teams and addresses the competencies of 29 CFR 1910.120, Michigan's CIS/OHS-HAZWOPER Part 432, NFPA 472, and HMEP Guidelines for Public Sector Hazardous Materials Training. The new program is based on an 80-hour training curriculum that is broken down into many formats to allow more responders the opportunity to attend the training.

Prerequisite: Hazardous Materials Technician Part I or Emergency Response to Hazardous Materials Incidents (ERTHMI) EPA 165.15

Hours: 40

Cost: \$600 (4 nights of double occupancy lodging)

Dates: October 2-4, 16-18, 2009*
November 2-6, 2009
March 19-21, 26-28, 2010*
May 17-21, 2010
July 16-18, August 6-8, 2010*
August 16-20, 2010

Register 

* Weekend Course Hours: Friday 6 PM – 10 PM, Saturday and Sunday 8 AM – 5 PM

Hazardous Waste Operations (HAZWOPER) 8-Hour Refresher

[Return to List](#)

This one-day course provides participants with the opportunity to review and practice the skills originally presented in 24-hour and 40-hour training programs. This course is intended to meet OSHA annual refresher training requirements.

This course can also be brought to your facility and delivered to a group. For additional information or for the cost of bringing this course on-site, please call 517-322-1853 or e-mail garciat@michigan.gov

Hours: 8

Cost: \$140

Dates: November 17, 2009
January 15, 2010
March 22, 2010
June 10, 2010
September 17, 2010

Register NOW!

Hazardous Waste Operations for Site Supervisors

[Return to List](#)

Developed for on-site management and supervisory personnel, this one-day course provides instruction as required by MIOSHA Rule 325.52110(5). Topics include developing and/or implementing the employer's safety and health program, employee training programs, personal protective equipment program, spill containment, and health hazard monitoring procedures and techniques.

Hours: 8

Cost: Call for cost

Call 517-322-1853 or e-mail garciat@michigan.gov to schedule.

Hot Zone Rescue for First Responder Operations

[Return to List](#)

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.

Students need to bring a set of firefighter turnout gear with hood, gloves, and boots to this course.

Prerequisite: First Responder Operations

Hours: 8

Cost: Call for cost

Call (517) 322-1853 or e-mail garciat@michigan.gov to schedule.

Hot Zone Rescue for First Responder Operations Train-the-Trainer

[Return to List](#)

This eight-hour course includes materials covered in the Hot Zone Rescue for First Responder Operations course, but is taught at a pace for people who will be instructing their own staff. Also covered will be suggestions about presenting the course material. This course is geared for people who already have training skills and are presently instructors.

Prerequisites: Hot Zone Rescue for First Responder Operations and Hazardous Materials Technician

Hours: 8

Cost: Call for cost

Call (517) 322-1853 or e-mail garciat@michigan.gov to schedule.

ICS 300 – Intermediate ICS for Expanding Incidents

[Return to List](#)

This course provides training on and resources for personnel who require advanced application of the Incident Command System (ICS).

The target audience for this course is for individuals who may assume a supervisory role in expanding incidents or Type 3 incidents. Note: During a Type 3 incident, some or all of the Command and General Staff positions may be activated, as well as Division/Group Supervisor and/or Unit leader level positions. These incidents may extend into multiple operational periods. This course expands upon information covered in the ICS-100 and ICS-200 courses.

This course is Department of Homeland Security (DHS) accepted and applicable to the use of DHS grant funds.

Prerequisites: ICS-100 and ICS-200

Hours: 16

Cost: \$230 (1 night of double occupancy lodging included)

Dates: October 19-20, 2009
March 11-12, 2010

Register NOW!

ICS-400 Advanced ICS Command and General Staff – Complex Incidents

[Return to List](#)

This course provides training on and resources for personnel who require advanced application of the Incident Command System (ICS).

The target audience for this course is senior personnel who are expected to perform in a management capacity in an Area Command or Multi-agency Coordination Entity. This course expands upon information covered in the ICS-100, ICS-200, and ICS-300 courses.

The course goals are as follows:

- Explain how major incidents engender special management challenges.
- Describe the circumstances in which an Area Command is established.
- Describe the circumstances in which multiagency coordination systems are established.

This course is Department of Homeland Security (DHS) accepted and applicable for the use of DHS grant funds.

Prerequisites: ICS-100, ICS-200, and ICS-300

Hours: 16

Cost: \$230 (1 night of double occupancy lodging included)

Dates: October 21-22, 2009
March 23-24, 2010

Register NOW!

Incident Command System/Emergency Operations Center (ICS/EOC) Interface - All Disciplines

[Return to List](#)

This course will introduce you to the roles of the Incident Command System (ICS) and Emergency Operations Centers (EOCs) during emergency operations, and discuss ways to develop an ICS/EOC interface implementation strategy or action plan for your community.

Prerequisite: IS-100, IS-200 or equivalent

Hours: 8

Cost: \$140

Dates: December 4, 2009
January 30, 2010
May 27, 2010
July 24, 2010

Register NOW!

Initial Law Enforcement Response to Suicide Bombing Attacks (ILERSBA)

[Return to List](#)

ILERSBA was designed to provide front line law enforcement officer with the skills and knowledge to effectively interdict and respond to an imminent person-borne suicide bombing attack or an attack involving a vehicle-borne IED.

Effective response to a suicide bombing attack requires a multitude of immediate decisions on the part of law enforcement officers. These decisions include safety and legal considerations. The needs assessment for this course indicates a significant training gap in this area. ILERSBA is intended to meet those needs and deals specifically with immediate decisions and actions in face to face encounters of person-borne and vehicle-borne IED attacks.

The uncertain nature of a suicide bombing threat is a fundamental challenge in the design of initial law enforcement response. Experience has shown that terrorists exploit this uncertainty by altering their behaviors, tactics, and strategies. To reflect the multi-dimensional aspects of a suicide bombing attack, course designers created nearly 40 scenarios that are used with the course participants. These scenarios simulate the numerous instantaneous assessments that law enforcement officers must make during the initial response to an attack. They reflect safety considerations, legal issues, identification of suspicious devices, and knowledge of explosive materials

Restricted to: Law Enforcement or Public Safety Officers

Prerequisite: None

Hours: 8

Location: MSP Academy

Cost: No Fee

Date: November 17, 2009

Register NOW!

International Trauma Life Support (ITLS)

[Return to List](#)

The ITLS (formerly BTLS) courses give the student the knowledge and hands-on skills to take better care of trauma patients. ITLS stresses rapid assessment, appropriate intervention and identification of immediate life threats. The ITLS framework for rapid, appropriate, and effective trauma care is a global standard that works in any situation. ITLS courses combine classroom learning and hands-on skills stations, where learning is put to work in simulated trauma situations. ITLS courses are designed, managed, and delivered by course directors, coordinators, and instructors experienced in EMS, pre-hospital care, and the ITLS approach.

Prerequisite: MFR, EMT, AEMT-P, RN, or MD

Hours: 16

Cost: Call for cost

Call (517) 322-6320 or e-mail waierc@michigan.gov to schedule.

International Trauma Life Support (ITLS) Refresher

[Return to List](#)

This four-hour refresher course provides participants with the opportunity to review and practice the skills originally presented in the 16-hour ITLS (formerly BTLS) training programs. The ITLS course gives the student the knowledge and hands-on skills to take better care of trauma patients. The ITLS framework for rapid, appropriate, and effective trauma care is a global standard that works in any situation. ITLS courses combine classroom learning and hands-on skills stations, where learning is put to work in simulated trauma situations. ITLS courses are designed, managed, and delivered by course directors, coordinators, and instructors experienced in EMS, pre-hospital care, and the ITLS approach.

Prerequisite: MFR, EMT, AEMT-P, RN, or MD & 16-hour ITLS/BTLS class

Hours: 4

Cost: Call for cost

Call (517) 322-6320 or e-mail waierc@michigan.gov to schedule.

Mercury Spill Response

[Return to List](#)

Hazardous materials responders are presented with many challenges when operating at a mercury-spill emergency. These challenges include air monitoring capabilities, personnel protection, product recovery and removal. This 8-hour training course will introduce risk based response tactical guidelines and emergency handling techniques for mercury related spills.

Hours: 8

Cost: \$140

Dates: October 8, 2009
December 2, 2009
February 17, 2010
April 8, 2010
June 7, 2010
August 30, 2010

Register NOW!

Permit Required Confined Space (PRCS) Entry – Private Sector

[Return to List](#)

This two-day course is designed to increase the student's knowledge of hazards associated with permit-required confined space entry. Topics include the OSHA required confined space entry standard, hazards associated with entry procedures, personal protective equipment, and related limitations.

Course Objectives:

- Determining if an area is a confined space;
- Analyzing hazards to determine if the space is a PRCS;
- Recognize, evaluate, prevent, and abate safety and health hazards associated with PRCS entry;
- Document violations of the permit-required confined space standards; and
- Evaluate or write a specific permit-required confined space program.

Hours: 24

Cost: Call for cost

Call 517-322-1853 or e-mail garciat@michigan.gov to schedule.

Prevention & Response to Suicide Bombing Incidents

[Return to List](#)

The purpose of this course is to provide sufficient information about suicide bombings to the course attendees, thereby allowing them to become an effective part of their agency's overall prevention, deterrence, mitigation, and response effort to suicide bombing threats. The course will define the suicide bomber threat, the types of suicide bombings, likely targets, and the nine phases of a suicide bomber attack.

Restricted to: Emergency Management, Law Enforcement, Fire, and Emergency Medical Services

Prerequisite: Incident Response to Terrorist Bombings or Explosive Awareness course will help students understand some of the information about explosives which is explained, but is not required.

Hours: 4 (8 AM – 12 Noon)

Cost: No Fee

Dates: November 12, 2009
June 11, 2010

Register 

Professional Recognition Programs

[Return to List](#)

The Michigan State Police, Emergency Management & Homeland Security Training Center (EMHSTC) has aligned with several organizations in Michigan to develop a professional recognition program for hazardous materials and technical rescue planners, responders, professionals and instructors in Michigan. We firmly believe our primary mission is to raise the professional standing of the field of hazardous materials planning, mitigation, and response by providing leadership and coordination through instructional programs and other skill enhancement opportunities. Becoming recognized as a hazardous material "professional" is for anyone with a commitment to both personal and system development. This is NOT just another required program. In fact, the achievement of these professional levels is strictly optional. We are confident, however, these programs will provide the opportunity for individuals to reach a higher level of competency and leadership capability in their chosen field, and improve the organizations to which they belong. Completion of these programs can lead to a college degree.

NFPA 472 Hazardous Materials Technician Level Compliance Program

Emergency responders requiring the need to acquire hazardous materials technician level training compliant with NFPA, will need to complete the following programs and successfully complete a comprehensive examination.

Hazardous Materials Awareness/Operations Level or equivalent	24 Hours
Terrorism Awareness	4 Hours
Incident Command 200 Level training or equivalent	16 Hours
Hazardous Materials Technician I and II	80 Hours
Chemistry I	24 Hours
Air Monitoring for Emergency Response	24 Hours
Hazardous Materials Branch Director/Branch Safety Officer	24 Hours

Hazardous Materials Professional Recognition Program

This recognition program requires successful completion of the following hazardous materials related courses and a comprehensive examination. These courses include:

Prerequisite - NFPA 472 Compliant Hazardous Materials Technician Level Program

Emergency Response Planning	16 Hours
Chemistry II	24 Hours
Advanced Air Monitoring	24 Hours
Evidence Collection and Sampling Techniques Program	8 Hours
Cargo Tank Specialty Program	32 Hours
Railcar Tank Specialty Program	24 Hours

Bachelor Degree

Siena Heights University and the Michigan State Police, Emergency Management & Homeland Security Training Center have teamed up to offer firefighters, hazardous materials teams members, and other responders the opportunity to achieve a bachelor degree in hazardous materials. After completing the Hazardous Materials Emergency Response Professional Recognition Program developed by EMHSTC and the Michigan Association of Hazardous Materials Responders (MAHMR), the interested individual will receive a certificate worth 35 credit hours and can apply for acceptance into Siena Heights University's Bachelor of Applied Science program. It takes 120 credit hours to achieve this goal. Additional credit will be granted for completion of Firefighter I and II as well as emergency medical training.

Propane Emergencies

[Return to List](#)

One of the most common products hazardous materials teams respond to today is propane. This 8-hour training session focuses on enhancing the individual responder and hazmat team response capabilities at the technician level competencies by offering hands-on training challenging responders to identify problems and provide hands-on solutions in a propane response emergency. The course will concentrate on risk based response decision making and will also familiarized the emergency responder with basic construction features, vents, valves, and other critical operations that must be understood before taking offensive operations. The course will be primarily hands-on and the areas of instruction will include:

- Dealing with rail car and tank truck valves, gauges, adapters/connectors, plumbing/piping, tank construction, leaks, spills and fires.
- Using plugging/patching, auto refrigeration, product transfer techniques and other technologies as leak, spill, and fire control solution options.
- Dealing with over-filled/over-pressurized and reacting vessels.
- Using commercial leak control/emergency repair kits.
- Location and identification of hard to find and difficult leaks, and offering control/mitigation solutions.

Hours: 8

Cost: \$140

Dates: November 9, 2009
December 3, 2009
February 18, 2010
April 5, 2010
June 8, 2010
August 31, 2010

Register 