



## 2012-2013 EMERGENCY MANAGEMENT AND HOMELAND SECURITY TRAINING CENTER COURSES

The Michigan Department of State Police (MSP) has partnered with the Michigan Department of Community Health (MDCH) to provide an online registration process and web-based learning community. MI-TRAIN is designed to give students a single location to register for courses, take online courses, and direct access to their certificates and transcripts. There are various ways to find courses; however, the following is recommended when searching for Emergency Management and Homeland Security Division (EMHSD) courses:

1. Click on the "Course Search" tab at the top of the home page.
2. On the left side, select "By Sponsor/Offerer".
3. In the box, type MSP-EMHSD. Click on the Search button.
4. A listing of all MSP-EMHSD classes offered should appear.
5. If you would like the list to be presented alphabetically, click on the "Title" reference in the first row of the table.

**IMPORTANT: The automatic system message students receive after submitting registration for a class states, "If you do not receive a reply in 7 business days, contact the approval manager." — This message is incorrect and the verbiage cannot be changed as it is embedded in the MI-TRAIN software. The EMHSD acceptance policy has not changed; students will be notified approximately three weeks prior to the date of the class with details on class information, if accepted into the class. Students will also be notified if they have been placed on a waiting list.**

### FY 2013 COURSE DATES

COURSE TITLE (Alphabetically Listed)	HOURS	DATES
<a href="#">Advanced Cardiac Life Support (ACLS)</a>	8	October 19, 2012 January 18, 2013 April 19, 2013
<a href="#">Advanced Cardiac Life Support (ACLS) Refresher</a>	3	November 30, 2012 February 15, 2013 June 14, 2013
<a href="#">Advanced CAMEO for All Hazards Suite (Mgt 320)</a>	24	To be determined.
<a href="#">Air Monitoring for First Responder Operations Personnel</a>	8	Contact staff to schedule.
<a href="#">Air Monitoring for Hazardous Materials EPA 165.4</a>	24	Contact staff to schedule.
<a href="#">Area Rae Deployment, Operation, and Maintenance</a>	8	Contact staff to schedule.
<a href="#">CBRNE Awareness Level (AWR-160)</a>	8	Contact staff to schedule.
<a href="#">CBRNE/WMD Defensive Operations</a>	16	Contact staff to schedule.
<a href="#">CBRNE/WMD Defensive Operations for Health Care Professionals</a>	16	Contact staff to schedule.
<a href="#">CBRNE/WMD Defensive Operations for Health Care Professionals -TTT</a>	8	Contact staff to schedule.
<a href="#">CBRNE/WMD Defensive Operations for Law Enforcement</a>	8	Contact staff to schedule.
<a href="#">CBRNE/WMD Radiological/Nuclear Awareness</a>	4	Contact staff to schedule.
<a href="#">CBRNE/WMD Technician for Hazardous Materials Technician</a>	24	Contact staff to schedule.
<a href="#">Chemistry I</a>	24	October 24-26, 2012 April 9-11, 2013
<a href="#">Chemistry II</a>	24	November 7-9, 2012 May 7-9, 2013
<a href="#">Community Cyber Security for Exercise Planners (MGT 385)</a>	12	February 7-8, 2013
<a href="#">Confined Space Rescue – Emergency Response 32 hr.</a>	32	Contact staff to schedule.
<a href="#">Confined Space Rescue – Private Sector</a>	16	Contact staff to schedule.
<a href="#">Essentials of Community Cyber Security (AWR 136)</a>	4	February 5, 2013 February 7, 2013
<a href="#">Federal Emergency Management Agency, National Domestic Preparedness Consortium (FEMA/NDPC) Training</a>	Various	Various
<a href="#">Gasoline Tank Truck Emergencies</a>	8	Contact staff to schedule.
<a href="#">Hazard Communications and Right-to-Know</a>	8	Contact staff to schedule.
<a href="#">Hazardous Materials Incident Command Level Responder Refresher</a>	8	Contact staff to schedule.
<a href="#">Hazardous Materials Incident Command System</a>	16	Contact staff to schedule.

<a href="#">Hazardous Materials Incident Response Operations EPA 165.5 (40-Hour HAZWOPER)</a>	40	March 4-8, 2013 September 9-13, 2013
<a href="#">Hazardous Materials Officer (NFPA 472, Chapters 11 and 12)</a>	32	February 11-14, 2013
<a href="#">Hazardous Materials Operations Level Responder Refresher</a>	8	Contact staff to schedule.
<a href="#">Hazardous Materials Operations Level Response - Private Sector</a>	8, 16, or 24	Contact staff to schedule.
<a href="#">Hazardous Materials Technician Level Responder Refresher</a>	8	Contact staff to schedule.
<a href="#">Hazardous Materials Technician Level Response - Private Sector – 24-Hour &amp; 40-Hour</a>	24 or 40	Contact staff to schedule.
<a href="#">Hazardous Materials Technician Part I</a>	40	March 18-22, 2013 May 10-12 & 17-19, 2013 September 16-20, 2013
<a href="#">Hazardous Materials Technician Part II</a>	40	October 29-November 2, 2012 April 22-26, 2013 August 19-23, 2013
<a href="#">Hazardous Waste Operations (HAZWOPER) 8-Hour Refresher</a>	8	November 13, 2012 February 19, 2013 May 3, 2013 September 5, 2013
<a href="#">Hazardous Waste Operations for Site Supervisors</a>	8	Contact staff to schedule.
<a href="#">HazMatIQ Above the Line/Below the Line–Technician Level</a>	8	September 12, 2013 September 13, 2013 September 14, 2013
<a href="#">Highway Cargo Tank Specialty</a>	24	September 23-25, 2013
<a href="#">ICS 300 – Intermediate ICS for Expanding Incidents</a>	16	October 8-9, 2012 February 25-26, 2013
<a href="#">ICS 400 – Advanced ICS Command &amp; General Staff–Complex Incidents</a>	16	October 22-23, 2012 March 12-13, 2013
<a href="#">Incident Command System/Emergency Operations Center (ICS/EOC) Interface - All Disciplines (G-131)</a>	8	Contact staff to schedule.
<a href="#">Incident Command System (ICS) for Private Sector</a>	16	Contact staff to schedule.
<a href="#">Intermodal Specialty for Hazardous Materials Technicians</a>	16	March 25-26, 2013
<a href="#">Introduction to CAMEO Suite (PER 229)</a>	24	To be determined.
<a href="#">Mercury Spill Response</a>	4	Contact staff to schedule.
<a href="#">Permit Required Confined Space (PRCS) Entry – Private Sector</a>	24	Contact staff to schedule.
<a href="#">Professional Recognition Programs</a>	Various	Various
<a href="#">Railcar Specialty for Hazardous Materials Technician</a>	24	August 26-28, 2013
<a href="#">The EOC's Role in Community Cyber Security (MGT 384)</a>	12	February 5-6, 2013



---

## Advanced Cardiac Life Support (ACLS)

[Return to List](#)

Upon completion of this eight-hour course, the participant will have been taught and/or demonstrated return performances related to the following American Heart Association ACLS course materials:

- Recognition of the adult in peri-arrest and/or at risk of cardiopulmonary arrest.
- Demonstration of the cognitive and psychomotor skills necessary for resuscitating and stabilizing the adult in respiratory failure, shock, or cardiopulmonary arrest.
- Demonstration of the use of the various airway and oxygen adjuncts and methods for optimum ventilation and airway control.
- Identification of normal vs. abnormal cardiac rhythms and the appropriate pharmacologic and electrical therapies.
- State the indications and dosages of medications used in cardiopulmonary arrest and the effects on the cardiovascular system.
- Performance of advanced skills in the assessment and treatment of cardiopulmonary arrest in the adult patient.

**Eligibility Prerequisite:** This course is for medical providers, and other professionals, whose daily occupation requires them to either direct their staff or participate in the resuscitation of individuals, whether in or out of a hospital.

**Hours:** 8

**Cost:** \$200

**MI-TRAIN Course ID Number:** 1034708

**Dates and Locations:** October 19, 2012 – Lansing  
January 18, 2013 – Lansing  
April 19, 2013 – Lansing

[Go to MI-TRAIN](#)

---

## Advanced Cardiac Life Support (ACLS) Refresher

[Return to List](#)

Upon completion of this three-hour course, the participant will have reviewed and/or demonstrated return performances related to the following American Heart Association ACLS course materials:

- Recognition of the adult in peri-arrest and/or at risk of cardiopulmonary arrest.
- Demonstration of the cognitive and psychomotor skills necessary for resuscitating and stabilizing the adult in respiratory failure, shock, or cardiopulmonary arrest.
- Demonstration of the use of the various airway and oxygen adjuncts and methods for optimum ventilation and airway control.
- Identification of normal vs. abnormal cardiac rhythms and the appropriate pharmacologic and electrical therapies.
- State the indications and dosages of medications used in cardiopulmonary arrest and the effects on the cardiovascular system.
- Performance of advanced skills in the assessment and treatment of cardiopulmonary arrest in the adult patient.

**Eligibility Prerequisite:** This course is for medical providers, and other professionals, whose daily occupation requires them to either direct their staff or participate in the resuscitation of individuals, whether in or out of a hospital.

**Prerequisite:** Advanced Cardiac Life Support (ACLS)

**Hours:** 3

**Cost:** \$100

**MI-TRAIN Course ID Number:** 1034710

**Dates and Locations:** November 30, 2012 – Lansing  
February 15, 2013 – Lansing  
June 14, 2013 – Lansing

[Go to MI-TRAIN](#)

Course time is 8:30-11:30 AM.

---

## Advanced CAMEO for All Hazards Suite (Mgt 320)

[Return to List](#)

This course is taught by National Center for Biomedical Research and Training Academy of Counter-Terrorist Education & Louisiana State University certified instructors. This performance-level course that is targeted at emergency responders and planners involved in planning for and responding to all-hazards emergency situations that may arise in their communities. The training reviews the fundamental elements of the CAMEO Suite (i.e. ALOHA, MARPLOT, Landview, and CAMEO [fm]) in relation to weapons of mass destruction (WMD) threats and includes detailed technical information and hands-on practice of critical elements of the Suite. To better understand how the programs interface, participants are provided opportunities to practice key CAMEO procedures that allow users to enhance planning and response activities associated with community risks. These exercises clarify the connections between the programs and how they can enhance emergency planning and response activities. The target audience for this course is EMS, EMA, FS, HC, HM, LE, or PH. This course is a U.S. Department of Homeland Security funded program, and is eligible for funding through the State Homeland Security Grant Program (SHSGP).

**Prerequisite:** Attendee must be an experienced CAMEO user with knowledge of CAMEO (fm) functions, ALOHA, and MARPLOT and familiarity with CAMEO (fm) Chemical Library functions

**Hours:** 24

**Cost:** No Cost

**MI-TRAIN Course ID Number:** 1029075

**Dates and Locations:** To be determined

[Go to MI-TRAIN](#)

---

## Air Monitoring for First Responder Operations Personnel

[Return to List](#)

This one-day course is intended to provide participants with the knowledge and skills necessary to meet the educational competencies as outlined in NFPA 472 Chapter 6: "Mission Specific Competencies for Air Monitoring and Sampling," which will provide 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 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. This course is important 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:** Hazardous Materials First Responder Operations

**Hours:** 8

Call (517) 322-1853 or e-mail [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.

---

## 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

Call (517) 322-1853 or e-mail [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.

---

## Area Rae Deployment, Operation, and Maintenance

[Return to List](#)

This eight-hour course covers the use of Area Rae monitors. Primarily classroom based, this course will teach the student to operate, maintain, and deploy area rae monitors at an incident. Students will also learn basic repairs to monitors saving time and money on unnecessary repairs. Students will grasp when and where to deploy monitors and how to translate monitor readings into usable data. Classes will be offered on demand.

**Hours:** 8

E-mail [thompsonc3@michigan.gov](mailto:thompsonc3@michigan.gov) for cost and to schedule.

---

## AWR -160 Terrorism Awareness for First Responders

[Return to List](#)

Developed by the National Domestic Preparedness Consortium (NDPC), this WMD Awareness course is an eight-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:** 8

Call 517-322-1585 or e-mail [darlingm1@michigan.gov](mailto:darlingm1@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:** CBRNE/WMD Awareness is recommended

**Hours:** 16

Call (517) 322-5922 or e-mail [EMHSTC@michigan.gov](mailto:EMHSTC@michigan.gov) for cost and to schedule.

---

## 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

E-mail [FeichtnerJ@michigan.gov](mailto:FeichtnerJ@michigan.gov) for cost and to schedule.

---

## 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

E-mail [FeichtnerJ@michigan.gov](mailto:FeichtnerJ@michigan.gov) for cost and to schedule.

---

## CBRNE/WMD Defensive Operations for Law Enforcement

[Return to List](#)

Success in deterring, preventing, preparing for and responding to a terrorist attack in the United States, involving conventional or non-conventional weapons of mass destruction (WMD), depends on the establishment and maintenance of a robust crisis and consequence management infrastructure. Emergency responders, who arrive first on the scene, must be adequately trained, equipped, exercised and funded to ensure they have the ability to effectively respond and conduct relief and recovery operations as part of an interagency team.

At the conclusion of this course, you will be able to perform safely and effectively during incidents involving WMD. This course will further enhance the first responder's awareness to a weapons of mass destruction incident and allow the responder to respond and perform initial defensive operations at the scene.

**Restricted to:** Law Enforcement

**Prerequisite:** AWR-160 Terrorism Awareness for First Responders

**Hours:** 8

Call 517-322-1585 or e-mail [darlingm1@michigan.gov](mailto:darlingm1@michigan.gov) for cost and to schedule.

---

## CBRNE/WMD Radiological/Nuclear Awareness

[Return to List](#)

This course is a Federal Emergency Management Agency, National Domestic Preparedness Consortium (FEMA/NDPC) 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 National Domestic Preparedness Consortium certified instructors.

**Hours:** 4

Call (517) 322-5922 or e-mail [EMHSTC@michigan.gov](mailto:EMHSTC@michigan.gov) for cost and to schedule.

---

## CBRNE/WMD Technician for Hazardous Materials 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.

**Prerequisites:** Hazardous Materials Technician

**Hours:** 24

Call (517) 322-5922 or e-mail [EMHSTC@michigan.gov](mailto:EMHSTC@michigan.gov) for cost and 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:** \$390 (2 nights of double occupancy lodging included)

**MI-TRAIN Course ID Number:** 1028961

**Dates and Locations:** October 24-26, 2012 – Lansing  
April 9-11, 2013 – Lansing

[Go to MI-TRAIN](#)

---

## 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 United States Department of Transportation's (DOT's) nine hazard classes.

**Prerequisite:** Chemistry I

**Hours:** 24

**Cost:** \$340 (2 nights of double occupancy lodging included)

**MI-TRAIN Course ID Number:** 1029000

**Dates and Locations:** November 7-9, 2012 – Lansing  
May 7-9, 2013 – Lansing

[Go to MI-TRAIN](#)

---

## Community Cyber Security for Exercise Planning

[Return to List](#)

This two-day non-technical course is designed to assist exercise planners incorporate cyber into an exercise in meaningful ways. Participants will be introduced to cyber topics and how cyber can impact the business operations of an organization and community. Lecture and activities will explore objectives, players, cyber injects and challenges to incorporating cyber into exercises. Participants will be exposed to many possible injects and scenarios that can be used in an exercise. Students attending this course receive a Certificate of Completion (12 hours).

**Prerequisite:** AWR-136 Essentials of Community Cyber Security

Participants should have an understanding of the Homeland Security Exercise and Evaluation Program (HSEEP) and have familiarity with community and/or organizational exercises. The concepts and ideas delivered in IS-120.a "An Introduction to Exercises" from the Federal Emergency Management Agency may prove to be beneficial in preparation for this course.

**Hours:** 12

**Cost:** No Cost

**MI-TRAIN Course ID Number:** 1034644

**Dates and Locations:** February 7-8, 2013 – Wyoming

[Go to MI-TRAIN](#)

---

## 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

Call (517) 322-1853 or e-mail [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and 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

Call (517) 322-1853 or e-mail [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.

---

## Essentials of Community Cyber Security (AWR 136)

[Return to List](#)

This half-day lecture training course places the issues of cyber security in a community context and demonstrates how cyber attacks by terrorist organizations can impact, prevent, and/or stop business operations, and emergency responses. The lecture covers cyber threats, vulnerabilities and countermeasures, explains how computer systems and networks are vulnerable, and how this vulnerability affects the organization. Students attending this course receive a Certificate of Completion.

**Audience:** Personnel with no more than a basic understanding of cyber security that are involved with critical infrastructure, emergency operations, and incident response in public or private organizations, including state, county, and municipal officers; members of industry affiliations and chambers of commerce should attend.

**Hours:** 4

**Cost:** No Cost

**MI-TRAIN Course ID Number:** 1034642

**Dates and Locations:** February 5, 2013 – Wyoming  
February 7, 2013 – Wyoming

[Go to MI-TRAIN](#)

---

## Federal Emergency Management Agency, National Domestic Preparedness Consortium (FEMA/NDPC) Training

[Return to List](#)

The [National Domestic Preparedness Consortium \(NDPC\)](#) is a partnership of several nationally recognized organizations whose membership is based on the urgent need to address the counter-terrorism preparedness needs of the nation's emergency first responders within the context of all hazards including chemical, biological, radiological, and explosive Weapons of Mass Destruction (WMD) hazards. The NDPC membership includes the Center for Domestic Preparedness (CDP) in Anniston, Alabama; the Energetic Materials Research and Testing Center (EMRTC), a division of the New Mexico Institute of Mining and Technology (New Mexico Tech) in Socorro, New Mexico; The National Center for BioMedical Research and Training (NCBRT), at Louisiana State University (LSU) in Baton Rouge, Louisiana; The National Emergency Response and Rescue Training Center (NERRTC) at Texas A&M University in College Station, Texas; Counter Terrorism Operations Support (CTOS)/The Nevada Test Site (NTS) in North Las Vegas, Nevada; and, the Transportation Technology Center, Inc. (TTCI) in Pueblo, Colorado.

The NDPC 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.

Residential training is provided at no cost to eligible participants at the following listed locations. Please visit their Web site for complete course availability, prerequisites, and a printable application.

- Center for Domestic Preparedness (CDP) <https://cdp.dhs.gov/>
- Energetic Materials Research and Testing Center (EMRTC), a division of New Mexico Tech <http://www.emrtc.nmt.edu/training/>
- Center for Radiological/Nuclear Training (CTOS) <http://www.ctosnnsa.org/>
- National Center for Emergency Response in Surface Transportation (NCERST)/Security and Emergency Response Training Center (SERTC) <http://www.sertc.org/>

Mobile training that agencies can host locally in their region is also available through the following listed sites. Please visit their Web site for more details.

- National Center for Biomedical Research and Training (NCBRT) <http://www.ncbrt.lsu.edu/>
- Texas Engineering Extension Service, National Emergency Response and Rescue Training Center (TEEX-NERRTC) <http://www.teex.org/nerrtc/>

**Please fax your completed application to the State of Michigan Point of Contact (POC), Sgt. Michele Darling at 517-322-6442 or e-mail [DarlingM1@michigan.gov](mailto:DarlingM1@michigan.gov).**

---

## Gasoline Tank Truck Emergencies

[Return to List](#)

Gasoline tank trucks travel through almost every community in Michigan, and most of the time they safely deliver their product without incident. Unfortunately, when an accident does happen, it can quickly escalate to a major emergency. Is your department prepared if you are called to a gasoline tank truck that is rolled over, leaking, or on fire?

This eight-hour Gasoline Tank Truck Emergencies course will train responders on the proper steps to take at gasoline tank truck emergencies. This course will cover first responder operations including hot zone, rescue operations, emergency valve shut off, car vs. tanker with extrication, defensive leak control, and fire attack. Technician level topics will include dome clamp application, foam considerations, alternative fuels, scene management, bonding/grounding and overseeing product transfers. Command level topics will include strategy selection, developing incident action plans, evacuations, resource deployment, mutual aid/inter-agency cooperation, and environmental considerations.

**Hours:** 8

E-mail [thompsonc3@michigan.gov](mailto:thompsonc3@michigan.gov) for cost and to schedule.

---

## Hazard Communications and Right-to-Know

[Return to List](#)

This one-day course is intended to comprehensively address the issue of evaluating the potential hazards of chemicals and communicating information concerning hazards and appropriate protective measures of employees. It will also assist in developing and maintaining a written hazard communication program for the workplace in compliance with 29 CFR 1910.1200 and MIOSHA Part 42, 92, and 430 the Michigan Hazard Communications and Right-to-Know Standard.

**Hours:** 8

Call (517) 322-1853 or e-mail [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.

---

## Hazardous Materials Incident Command Level Responder Refresher

[Return to List](#)

In accordance with 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:

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

**Prerequisites:** Hazardous Materials First Responder Operations, ICS 100, 200 or equivalent

**Hours:** 8

Call (517) 322-1853 or e-mail [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.

---

## Hazardous Materials Incident Command System

[Return to List](#)

On scene incident commanders who will assume control of a hazardous materials incident scene beyond the first responder awareness level shall receive training equal to the first responder operations level of MIOSHA Part 432 and, in addition, be competent in all of the following areas:

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

This course will address all these competencies as well as those listed in NFPA 472, Chapter 8.

**Prerequisites:** First Responder Operations

**Hours:** 16

Call (517) 322-1853 or e-mail [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.

---

## Hazardous Materials Incident Response Operations EPA 165.5 (40-Hour 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 course, 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.

This course can also be brought to your facility, please call (517) 322-5922 or e-mail [reillyd1@michigan.gov](mailto:reillyd1@michigan.gov) for cost and to schedule.

**Prerequisites:** Hazardous Materials First Responder Awareness

**Hours:** 40

**Cost:** \$545 (4 nights of double occupancy lodging included)

**MI-TRAIN Course ID Number:** 1029070

**Dates and Locations:** March 4-8, 2013 – Lansing

September 9-13, 2013 – Lansing

[Go to MI-TRAIN](#)

---

## Hazardous Materials Officer (NFPA 472, Chapters 11 and 12)

[Return to List](#)

This four-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/Group Supervisor and Chapter 12: Competencies for the Hazardous Materials Branch Safety Officer.

The Hazardous Materials Group Supervisor is the person responsible for directing and coordinating all operations assigned to the hazardous materials branch by the Incident Commander. The Hazardous Materials Assistant Safety Officer is the person working within the Unified Incident Command System (UICS) to ensure recognized safe practices are followed within the hazardous materials team.

The Hazardous Materials Officer program will also define the responsibilities and roles of specific Hazardous Materials Team functions of Entry Team Leader, Decon Team Leader, Site Access Control Team Leader, and Safe Refuge Area Manager.

This course is designed around lecture, group discussions, multiple tabletop exercises, and computer simulation exercises. This course can also be taught onsite at your department by sending a request to [garciat@michigan.gov](mailto:garciat@michigan.gov).

**Prerequisite:** Hazardous Materials Technician Parts I & II and ICS 100 & ICS 200 or equivalent

**Hours:** 32

**Cost:** \$340

**MI-TRAIN Course ID Number:** 1034094

**Dates and Locations:** February 11-14, 2013 – Lansing

[Go to MI-TRAIN](#)

---

## Hazardous Materials Operations Level Responder Refresher

[Return to List](#)

In accordance with OSHA CFR 1910.120 and MIOSHA Part 432 the HAZWOPER standards, those trained as Incident Commanders, first responder operational-level responders, 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:

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

**Prerequisite:** Hazardous Materials First Responder Operations

**Hours:** 8

Call (517) 322-1853 or e-mail [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.

---

## 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 and Right-to-Know or Hazardous Materials First Responder Awareness

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

Call (517) 322-1853 or e-mail [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and 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 responders, 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.

This course can also be brought to your facility by calling 517-322-5922 or e-mail [reillyd1@michigan.gov](mailto:reillyd1@michigan.gov) for cost and to schedule.

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

**Hours:** 8

Call (517) 322-5922 or e-mail [EMHSTC@michigan.gov](mailto:EMHSTC@michigan.gov) for cost and to schedule.

---

## Hazardous Materials Technician Level Response – Private Sector – 24 Hour and 40 Hour

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

**Prerequisite:** Hazardous Materials First Responder Operations

**Hours:** 24 or 40

Call (517) 322-1853 or e-mail [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.

---

## 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:** Hazardous Materials First Responder Operations

**Hours:** 40

**Cost:** \$545 (4 nights of double occupancy lodging included)

**MI-TRAIN Course ID Number:** 1029020

**Dates and Locations:** March 18-22, 2013 – Lansing  
May 10-12 & 17-19, 2013 – Lansing \*  
September 16-20, 2013 – Lansing

[Go to MI-TRAIN](#)

\* 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:** \$545 (4 nights of double occupancy lodging included)

**MI-TRAIN Course ID Number:** 1029041

**Dates and Locations:** October 29-November 2, 2012 – Lansing  
April 22-26, 2013 – Lansing  
August 19-23, 2013 – Lansing

[Go to MI-TRAIN](#)

---

## 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 in accordance with 29 CFR 1910.120, Paragraphs e and q.

This course can also be held at your facility and delivered to a group. For additional information, or for the cost of holding this course on-site, please call 517-322-1853 or e-mail [garciat@michigan.gov](mailto:garciat@michigan.gov).

**Prerequisite:** 24-hour or 40-hour HAZWOPER course

**Hours:** 8

**Cost:** \$130

**MI-TRAIN Course ID Number:** 1029004

**Dates and Locations:** November 13, 2012 – Lansing

February 19, 2013 – Lansing

May 3, 2013 – Lansing

September 5, 2013 – Lansing

[Go to MI-TRAIN](#)

---

## 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

Call (517) 322-1853 or e-mail [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.

---

## HazMatIQ Above the Line/Below the Line–Technician Level

[Return to List](#)

The HazMatIQ Above The Line/Below The Line system is developed by responders, for responders and only available from HazMatIQ. The HazMatIQ system incorporates trademarked innovative street smart "Cheat Sheets" that enable responders to safely and efficiently respond to any known or unknown chemical or mixture. Students taking this course will be able to size-up (physical state, hazards, initial hot zone, correct meters and PPE) any chemical in minutes. The system then coaches responders through a streamlined chemical research method to verify their initial size-up, preparing responders to immediately go to work when they arrive on a Hazardous Materials/WMD event.

**Hours:** 8

**Cost:** \$130

**MI-TRAIN Course ID:** 1033943--During registration, enter the Special Code of **hazmatiq13** for a reduced course cost of \$99.

**Dates and Locations:** September 12, 2013 – Kentwood

September 13, 2013 – Gaylord

September 14, 2013 – Howell

September 14, 2013 – Ann Arbor

[Go to MI-TRAIN](#)

---

## Highway Cargo Tank Specialty

[Return to List](#)

This three-day course is designed and intended for those hazmat team members who respond to releases, or potential releases, of hazardous materials from cargo tank trucks for the purpose of controlling the releases. The goal of this program is to provide the responder with the knowledge and skills necessary to analyze an incident involving a cargo tank truck, to plan a response within the capabilities and competencies of available personnel and equipment, and to implement the planned response to mitigate the hazardous incident. Responders will be given several scenarios in this class including both tabletop and hands-on exercises using real tank trucks.

**Prerequisites:** Hazardous Materials Technician

**Hours:** 24

**Cost:** \$390 (2 nights of double occupancy lodging included)

**MI-TRAIN Course ID Number:** 1034713

**Dates and Locations:** September 23-25, 2013 – Lansing

[Go to MI-TRAIN](#)

---

## 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.

**Prerequisites:** ICS-100 and ICS-200

**Hours:** 16

**Cost:** \$210 (1 night of double occupancy lodging included)

**MI-TRAIN Course ID Number:** 1029037

**Dates and Locations:** October 8-9, 2012 – Lansing

February 25-26, 2013 – Lansing

[Go to MI-TRAIN](#)

---

## 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.

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

**Hours:** 16

**Cost:** \$210 (1 night of double occupancy lodging included)

**MI-TRAIN Course ID Number:** 1029045

**Dates and Locations:** October 22-23, 2012 – Lansing

March 12-13, 2013 – Lansing

[Go to MI-TRAIN](#)

---

## Incident Command System/Emergency Operations Center (ICS/EOC) Interface – All Disciplines G-191 [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

Call (517) 322-1853 or e-mail [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.

---

## Incident Command System (ICS) Private Sector [Return to List](#)

Private organizations working to implement a crisis or incident management structure as part of their business continuity program often look to available public standards for guidance. One such structure, a standard practice throughout much of the public sector, is called the Incident Command System, or ICS. This two-day program introduces the Incident Command System (ICS) and provides the foundation for higher level ICS training. This course describes the history, features, principles, and organizational structure of the Incident Command System. It also explains the relationship between ICS and the National Incident Management System (NIMS).

**Hours:** 16

Call (517) 322-1853 or e-mail [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.

---

## Intermodal Specialty for Hazardous Materials Technicians [Return to List](#)

Intermodal containers are containers which can be used interchangeably in different modes of transportation. Examples of intermodal containers include both tank and box containers. More than four million such containers are in use around the world. Problems may arise when hazardous materials are packed - whether properly or improperly - inside intermodal containers and external markings are not present to warn workers or emergency responders of the contents.

This program provides information for emergency responders and industry personnel who work with or who may respond to emergencies involving intermodal containers. It covers:

- How intermodal containers are constructed and used
- How accidents happen
- Standards for IMO Type 1, Type 2, Type 5 and Type 7 containers
- Features of specialized containers
- Safety procedures to minimize accidents during loading and unloading operations
- Procedures for safe response to emergencies involving both tank and box containers
- Identifying hazardous materials
- Using protective clothing
- Isolating the accident scene
- Managing leaks and fires

This program will meet all competencies in NFPA 472 Chapter 14 “Competencies for Technicians with an Intermodal Tank Specialty.”

**Prerequisite:** Hazardous Materials Technician NFPA 472 Chapter 7 compliance

**Hours:** 16

**Cost:** \$390 (1 night of double occupancy lodging included)

**MI-TRAIN Course ID Number:** 1029067

**Dates and Locations:** March 25-26, 2013 – Lansing

[Go to MI-TRAIN](#)

---

## Introduction to CAMEO Suite (PER 229)

[Return to List](#)

This course is taught by National Center for Biomedical Research and Training Academy of Counter-Terrorist Education & Louisiana State University certified instructors. This performance-level course provides training on the fundamental elements of the CAMEO Suite of programs as they relate to emergency situations. As such, it includes detailed technical information and hands-on practice of critical elements of the CAMEO*fm* system and its associated programs (ALOHA, MARPLOT, Landview, and Tier II Submit). To better understand how the programs interface, participants are provided opportunities to practice key procedures that allow users to enhance planning and response activities associated with community risks. These exercises clarify the connections between the programs and how they can enhance emergency planning and response activities. The target audience for this course is EMS, EMA, FS, HC, HM, LE, or PH. This course is a U.S. Department of Homeland Security funded program, and is eligible for funding through the State Homeland Security Grant Program (SHSGP).

**Hours:** 24

**Cost:** No Cost

**MI-TRAIN Course ID Number:** 1029062

**Dates and Locations:** To be determined

[Go to MI-TRAIN](#)

---

## Mercury Spill Response

[Return to List](#)

Both public and private sector hazardous materials responders are presented with many challenges when operating at a mercury-spill emergency. These challenges include mercury vapor monitoring capabilities, personnel protection, product recovery, and removal. This 4-hour training course will introduce risk based response tactical guidelines, emergency handling techniques, and toxicological effects for mercury related spills.

**Hours:** 4

E-mail [salinasp@michigan.gov](mailto:salinasp@michigan.gov) for cost and to schedule.

---

## Permit Required Confined Space (PRCS) Entry – Private Sector

[Return to List](#)

This three-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. The course objective is determining if an area is a confined space by:

- Analyzing hazards to determine if the space is a PRCS.
- Recognizing, evaluating, preventing, and abating safety and health hazards associated with PRCS entry.
- Documenting violations of the permit-required confined space standards.
- Evaluating or writing a specific permit-required confined space program.

**Hours:** 24

Call (517) 322-1853 or e-mail [garcia@michigan.gov](mailto:garcia@michigan.gov) for cost and to schedule.

---

## Professional Recognition Programs

[Return to List](#)

### 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 over all subject material.

Hazardous Materials Awareness Level Response or equivalent .....	4 Hours
Hazardous Materials Operations Level Response or equivalent .....	24 Hours
Emergency Response to Terrorism Awareness Level .....	4 Hours
WMD Radiological/Nuclear Responder Operations Course.....	24 Hours
Incident Command System 100/200 Level training or equivalent .....	16 Hours
EMI Independent Study - Emergency Planning (online) .....	10 Hours
EMI Independent Study - Hazardous Materials Contingency Planning (online) .....	1 Hour
Hazardous Materials Technician I and II .....	80 Hours
Evidence Collection and Sampling Techniques Program .....	16 Hours
Chemistry I .....	24 Hours
Air Monitoring for Emergency Response (EPA 165.4) .....	24 Hours
<b>Total Hours .....</b>	<b>227 Hours</b>

Call (517) 322-1853 or e-mail [garciat@michigan.gov](mailto:garciat@michigan.gov) for information or to schedule a test date.

### Professional Recognition Program

The Emergency Management and Homeland Security Training Center has joined forces with several organizations in Michigan to develop a professional recognition program for hazardous materials and technical rescue planners, responders, professionals, and instructors in Michigan. The Emergency Management and Homeland Security Division, through its Emergency Management & Homeland Security Training Center, firmly believes 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 this program can lead to a college degree.

#### Hazardous Materials Professional Recognition Program

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

NFPA 472 Hazardous Materials Technician Level Compliant Program.....	227 Hours
Chemistry II.....	24 Hours
Advanced Air Monitoring.....	24 Hours
Cargo Tank Specialty Program.....	32 Hours
Railcar Specialty for Hazardous Materials Technician .....	24 Hours
Intermodal Specialty for Hazardous Materials Technician .....	16 Hours

Call (517) 322-1853 or e-mail [garciat@michigan.gov](mailto:garciat@michigan.gov) for information or to schedule a test date.

#### Bachelor Degree

Siena Heights University and the Michigan State Police, Emergency Management and Homeland Security Training Center (MSP/EMHSTC) have teamed up to offer firefighters, hazardous materials team members, and other responders the opportunity to achieve a bachelor degree in public safety. After completing the Hazardous Materials Emergency Response Professional Recognition Program developed by the 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 Public Safety 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.

---

## Railcar Specialty for Hazardous Materials Technician

[Return to List](#)

The goal of the competencies at this level shall be to provide the hazardous materials technician with a tank car specialty with the knowledge and skills to perform tasks safely. It is in compliance with NFPA 472, Chapter 12.1.2.1.

When responding to hazardous materials/WMD incidents, the hazardous materials technician with a tank car specialty shall be able to perform the following tasks:

1. Analyze a hazardous materials/WMD incident involving tank cars to determine the complexity of the problem and potential outcomes by completing the following tasks:
  - a. Determine the type and extent of damage to tank cars.
  - b. Predict the likely behavior of tank cars and their contents in an emergency
2. Plan a response to an emergency involving tank cars within the capabilities and competencies of available personnel, personal protective equipment, and control equipment by determining the response options (offensive, defensive, and nonintervention) for a hazardous materials/WMD incident.
3. Implement or oversee the application of the planned response to a hazardous materials/WMD incident involving tank cars. NFPA 472, Chapter 12.1.2.2

**Prerequisites:** Hazardous Materials Technician Parts I and II

**Hours:** 24

**Cost:** \$390 (2 nights of double occupancy lodging included)

**MI-TRAIN Course ID Number:** 1029065

**Dates and Locations:** August 26-28, 2013 – Lansing

[Go to MI-TRAIN](#)

---

## The EOC's Role in Community Cyber Security (MGT 384)

[Return to List](#)

This is a two-day non-technical course designed to provide an awareness of how cyber events can impact a community, an Emergency Operations Center, and our daily lives. In this course, participants will discover the roles and responsibilities needed to detect, prevent, and respond to a cyber security incident. Using past cyber events, participants will explore how the EOC and community would plan for and manage information and resources needed for a cyber event and understand how cyber can be used to affect, disrupt, and/or complicate emergency responses. Students attending this course receive a Certificate of Completion (12 hours total).

**Prerequisites:** AWR-136 Essentials of Community Cyber Security

Participants should be involved with any Emergency Operations Center (examples include: State, City, County, and University, Hospital or private sector). Participants involved in all EOC activities during a community emergency, disaster, or other event are encouraged to attend.

**Hours:** 12

**Cost:** No Cost

**MI-TRAIN Course ID Number:** 1034643

**Dates and Locations:** February 5-6, 2013 – Wyoming

[Go to MI-TRAIN](#)