

**MICHIGAN STATE POLICE, EMERGENCY MANAGEMENT AND HOMELAND SECURITY TRAINING CENTER
2024-2025 COURSE CATALOG**



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, it is recommended to enter the Course ID (listed below) into the search box located on the top right of the MI-TRAIN home page. Please note, course dates are subject to change.

FY 2025 COURSES

COURSE TITLE (Alphabetically Listed)	MI-TRAIN COURSE ID	DATES
<u>Advanced Monitoring and Detection Specialty</u>	1087713	February 25-27, 2025
<u>Anhydrous Ammonia Awareness</u>	1058191	<u>Request this course</u>
<u>Anhydrous Ammonia Operations</u>	1066962	<u>Request this course</u>
<u>Chemistry of Hazardous Materials Part I</u>	1028961	October 14-16, 2024 April 14-16, 2025
<u>Chemistry of Hazardous Materials Part II</u>	1029000	November 6-8, 2024 May 28-30, 2025
<u>Chemistry of Hazardous Materials Refresher</u>	1112172	March 13, 2025
<u>Flammable Gas Specialist</u>	1093053	June 16-17, 2025
<u>Hazard Communication, Right-to-Know and GHS</u>	N/A	<u>Online</u>
<u>Hazardous Materials Officer (NFPA 472, Chapters 11 and 12)</u>	1034094	December 9-11, 2024
<u>Hazardous Materials Operations Level 4-Hour Refresher</u>	1059932	<u>Request this course</u>
<u>Hazardous Materials Operations Level Response-Private Sector</u>	1037212	<u>Request this course</u>
<u>Hazardous Materials Technician Level Responder Refresher</u>	1030540	<u>Request this course</u>
<u>Hazardous Materials Technician Level Response - EPA</u>	1058856	December 2-4, 2024
<u>Hazardous Materials Technician</u>	1081543	Oct. 7-11 & Oct. 21-25, 2024 Mar. 17-21 & Mar. 24-28, 2025 Apr 28- May 2 & May 5-9, 2025 May 19-23 & June 9-13, 2025

<u>Hazardous Waste Operations and Emergency Response (40-Hour HAZWOPER) EPA 165.5</u>	1029070	March 3-7, 2025 September 8-12, 2025
<u>Hazardous Waste Operations (HAZWOPER) 8-Hour Refresher</u>	1029004	November 12, 2024 January 13, 2025 April 11, 2025 September 19, 2025
<u>Highway Cargo Tank Specialty</u>	1034713	May 13-15, 2025
<u>Hospital Emergency Response Team Training - HERT</u>	1078019	<u>Request this course</u>
<u>Hospital Emergency Response Team Training (HERT) Application</u>	1079046	<u>Request this course</u>
<u>ICS 300–Intermediate ICS for Expanding Incidents</u>	1029037	October 16-18, 2024 January 14-16, 2025 August 19-21, 2025
<u>ICS 400–Advanced ICS Command & General Staff–Complex Incidents</u>	1029045	March 11-12, 2025 May 7-8, 2025
<u>Introduction to Radiological/Nuclear WMD Operations (AWR-140)</u>	N/A	Online
<u>Modern Day Decon (MDD) 8-Hours</u>	1108016	December 5, 2024
<u>Permit Required Confined Space Entrant, Attendant, and Supervisor</u>	1063735	TBD
<u>Propane Emergencies</u>	1075290	<u>Request this course</u>
<u>Railcar Specialty for Hazardous Materials Technician</u>	1029065	October 28-30, 2024 September 3-5, 2025

ONLINE COURSES

COURSE TITLE	MI-TRAIN COURSE ID
<u>Hazmat/WMD Awareness</u>	1023505
<u>Radiological Awareness for Hazmat</u>	1085831

For more information about the Professional Emergency Manager program, please visit our [website](#).

Note:
Many emergency management courses have prerequisites consisting of Independent Studies (IS) and/or EMHSD classroom courses (see course descriptions for more information). The Independent Studies are free, web-based, and downloadable through the Federal Emergency Management Agency (FEMA) website at <https://training.fema.gov/is/crslist.aspx>

Advanced Monitoring and Detection Specialty

[Return to List](#)

This three-day course provides technician level responders assigned to advanced monitoring and detection at hazardous materials/WMD incidents with the knowledge and skills to perform the tasks in a safe and effective manner. The course is designed to focus on the technologies of the device and how they function. Students will learn how to use the devices tactically and how to interpret the readings while focusing on risk-based response. The course will challenge technicians with hands-on training experience.

Chemical, biological, and radiological monitoring will be discussed. A variety of instruments will be used during the course, including four gas detectors with photo ionization detector, flame ionization detector, biological testing devices, colorimetric indicators, radiation detection and measurement instruments, Raman spectroscopy, Fourier transform infrared (FTIR), and more. This course exceeds the NFPA 470 standard and is specifically designed for hazardous materials technicians (29 CFR 1910.120). This course meets or exceeds all competencies covered in the Air Monitoring for Hazardous Materials EPA 165.4 course and is considered an equivalent. The course is also open to Hazardous Materials Technicians within private industry.

Prerequisites: Hazardous Materials Technician and received HAZMAT training that meets or exceeds the requirements for technician-level training as outlined in OSHA 29 C.F.R. 1910.120(q)(6)(iii)

Hours: 24

Cost: \$300, or \$370 for out of country attendees, (2 nights of eligible lodging included)

MI-TRAIN Course ID: 1087713

Dates and Locations: February 25-27, 2025 – Lansing

[Go to MI-TRAIN](#)

Anhydrous Ammonia Awareness

[Return to List](#)

This four-hour informational workshop will cover the requirements for understanding the need to plan, prepare, and respond to incidents involving anhydrous ammonia. Safe handling and storage procedures including refrigeration basics and chemical/physical properties in accordance with CFR 1910.119 will be covered, in addition the hazards associated with anhydrous ammonia and appropriate planning requirements. Emergency response equipment and procedures in accordance with CFR 1910.120 will be addressed. Also covered will be chemical protective equipment, specific air monitoring concerns, and the need to work collaboratively with local emergency response agencies.

This course can be taught onsite at your department/organization by request.

Hours: 4

MI-TRAIN Course ID: 1058191

[REQUEST](#)

Anhydrous Ammonia Operations

[Return to List](#)

This program is designed for private and public sector and intended to provide the client with the amount of training required under OSHA regulations and applicable MIOSHA rules in response to an Anhydrous Ammonia release. Participants who successfully complete the course will be able to respond and control a small release of NH₃, as defined by the employer.

Course content includes: implementing the employer's emergency response plan, use of field survey instruments to classify, identify, and verify the chemical and physical characteristics of NH₃, the implementation of the incident command system, use of personal protective equipment provided by the employer, decontamination, hazard/risk assessment, control/containment/confinement techniques and termination procedures.

This course can be taught onsite at your department/organization by request.

Hours: 8

Q Course Code Q05B: to request use of this funding please contact your Office of Fire Fighter Training, County Training Committee Contact.

[REQUEST](#)

Chemistry of Hazardous Materials Part I

[Return to List](#)

The Chemistry of Hazardous Materials courses 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 encounters 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.

The three-day Chemistry I course 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.

Who should attend: Individuals who are likely to be involved in or serve on a HazMat/Emergency Response/Rescue Teams, Law Enforcement Personnel, Toxicologist, Industrial Hygienist, OEM staff, Students (college credits may be available - check with your institution), and other emergency response related fields.

Hours: 24

Cost: \$300, or \$370 for out of country attendees, (2 nights of eligible lodging included)

MI-TRAIN Course ID: 1028961

Dates and Locations: October 14-16, 2024 – Lansing
April 14-16, 2025 – Lansing

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Chemistry of Hazardous Materials Part II

[Return to List](#)

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

Who should attend: Individuals who are likely to be involved in or serve on a HazMat/Emergency Response/Rescue Teams, Law Enforcement Personnel, Toxicologist, Industrial Hygienist, OEM staff, Students (college credits may be available-check with your institution), and other emergency response related fields.

Prerequisite: Chemistry of Hazardous Materials Part I

Hours: 24

Cost: \$300, or \$370 for out of country attendees, (2 nights of eligible lodging included)

MI-TRAIN Course ID: 1029000

Dates and Locations: November 6-8, 2024 – Lansing
May 28-30, 2025 – Lansing

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Chemistry of Hazardous Materials Refresher

[Return to List](#)

This course is a one-day review of the concepts learned in the Chemistry of Hazardous Materials Parts I and II courses. In this class, the student will review the topics learned in Part I such as elements, formulas, reactions, and the Periodic Table. In addition, the student will review the study of organic chemistry including hydrocarbons and hydrocarbon derivatives. There will be time for students to master chemistry worksheets and there will be demonstrations involving acids and bases.

Prerequisite: Individuals who have completed the Chemistry of Hazardous Materials Parts I and II courses or have completed a college chemistry course and want to gain a better understanding on the application in the world of Hazardous Materials.

Hours: 8

Cost: \$80, or \$100 for out of country attendees

MI-TRAIN Course ID: 1112172

Dates and Locations: March 13, 2025 – Lansing

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Flammable Gas Specialist

[Return to List](#)

The hazardous material technician with a flammable gases bulk storage specialty shall be that person who, in incidents involving bulk flammable gases storage tanks and related facilities, provides support to the technician and other personnel, provides strategic and tactical recommendations to the on-scene incident commander, provides oversight for fire control and product removal operations, and acts as a liaison between technicians, response personnel, and outside resources. Flammable gases bulk storage tanks also include the related pipelines, piping, transfer pumps, and loading racks commonly found in a flammable gases bulk storage tank facility.

At the conclusion of this two-day course, students will be able to analyze an incident involving flammable gas storage tanks to determine the magnitude of the problem by determining the type and extent of damage to the storage tank. Also, to predict the likely behavior of the storage tank and its contents in an incident. The student will be able to plan a response for an incident involving a flammable gas storage tank within the capabilities and competencies of available personnel, PPE, and control equipment by determining the response options (offensive, defensive, and non-intervention) for a hazardous materials incident involving flammable gas storage tanks. Also, ensure that the options are within the capabilities and competencies of available personnel, PPE, and control equipment and implement the planned response to a hazardous materials incident involving a flammable gas storage tank.

Prerequisite: Hazardous Materials Technician

Hours: 16

Course Cost: \$230, or \$285 for out of country attendees (1 night of eligible lodging included)

MI-TRAIN Course ID: 1093053

Dates and Location: June 16-17, 2025 - Lansing

[Go to MI-TRAIN](#)

Hazard Communication, Right-to-Know, and GHS

[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 Communication and Right-to-Know Standard.

Hours: 8

This training is available [online](#) through the Michigan Occupational Safety and Health Administration.

Hazardous Materials Officer (NFPA 472, Chapters 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/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 be taught onsite at your department/organization by completing a [request](#).

Prerequisite: Hazardous Materials Technician (80-hours) and ICS 100 & ICS 200 or equivalent

Hours: 24

Cost: \$300, or \$370 for out of country attendees, (2 nights of eligible lodging included)

MI-TRAIN Course ID: 1034094

Dates and Locations: December 9-11, 2024 – Lansing

[Go to MI-TRAIN](#)

Hazardous Materials Operations Level 4-Hour Refresher

[Return to List](#)

The Hazardous Materials Operations Level 4-Hour Refresher is for all fire departments in the State of Michigan to satisfy the need of annual training for their Operations Level responders. The topics covered will better equip emergency responders with their first due on scene decision-making process. The course will cover MIOSHA Part 432 1910.120(q)(6)(ii) First responder operations level and 1910.120(q)(8) Refresher training and numerous NFPA 472 and 1072 standards. This course will fill gaps between the initial Hazardous Materials Operations certification and the ability to meet the required ongoing training requirements.

This course can be taught onsite at your department by request.

Prerequisite: Hazardous Materials First Responder Operations

Hours: 4

MI-TRAIN Course ID: 1059932

Q Course Code Q05L: to request use of this funding please contact your Office of Fire Fighter Training, County Training Committee Contact.

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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.

This course can be taught onsite at your department/organization by request.

Prerequisite: Hazard Communication, Right-to-Know, and GHS or Hazardous Materials First Responder Awareness

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

MI-TRAIN Course ID: 1037212

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Hazardous Materials Technician 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 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 is eligible for Standardized E.M.S. Continuing Education Credits. Please reference the [Standardized EMS Continuing Education Credit Guide](#) for further details.

This course can be taught onsite at your department/organization by request.

Prerequisite: Hazardous Materials Technician

Hours: 8

MI-TRAIN Course ID: 1030540

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Hazardous Materials Technician Level Response - EPA

[Return to List](#)

This course is designed to enable Hazardous Materials Technicians, which are individuals who respond to releases or potential releases, to assume a more aggressive role than a first responder at the operations level in that they will approach the point of release to plug, patch or otherwise stop the release of a hazardous substance. Upon completion of this course the student will:

- know how to implement the employer’s emergency response plan
- know the classification, identification, and verification of known and unknown materials by using field survey instruments and equipment
- be able to function within an assigned role in the Incident Command System
- know how to select and use proper specialized chemical personal protective equipment provided to the hazardous materials technician
- understand hazard and risk assessment techniques
- be able to perform advance control, containment, and/or confinement operations within the capabilities of the resources and personal protective equipment available with the unit
- understand and implement decontamination procedures
- understand termination procedures and understand basic chemical and toxicological terminology and behavior.

This course can be taught onsite at your department/organization [by request](#).

Prerequisite: Hazardous Materials First Responder Operations

Hours: 24 or 40 hours-based upon each facility’s site-specific hazards

Cost: \$675

MI-TRAIN Course ID: 1058856

Dates and Locations: December 2-4, 2024

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Hazardous Materials Technician

[Return to List](#)

This 80-hour course meets the requirements of NFPA 470, Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders, 2022, Chapter 10 Competencies for Hazardous Materials / WMD Technicians. This course also meets Technician Level requirements in OSHA Title 29 CFR 1910.120 (HAZWOPER), and HMEP guidelines for public sector hazardous materials training. This course follows the Pro Board® certification requirements. Should you choose to receive Pro Board® certification, testing will take place on a separate day for an additional fee. Search Course ID 1106420 in MI-TRAIN for more details and to register for the testing day.

This course follows the hazardous materials incident Analyzing, Planning, Implementing and Evaluating (APIE) model. The flow is in a logical sequence to make mastering the knowledge and skills apply directly to responding to hazardous materials and/or WMD/CBRNE incidents. The focus is on recognizing and evaluating a hazardous materials incident, organizing the response team, protecting response personnel, identifying, and using response resources, implementing basic control measures, refine decision-making skills, and protecting the public.

There are 50 skill sheets with illustrated step-by-step directions for all skills required by NFPA 470. Throughout the course, these skills will be assessed in small groups with randomly assigned roles. Satisfactory performance in these assessments is required to pass the course. This will prepare emergency responders to conduct advanced, technical, offensive operations at hazardous materials incidents. All knowledge and skills technicians must know, from incident analysis to termination, are covered in depth. This includes hazmat chemistry; container identification, construction features, and leak points; as well as product control and decontamination operations. Each lesson begins with a list of specific learning objectives and the correlating job performance requirements (JPRs) in NFPA 1072.

The course includes case studies where important lessons learned from actual events can be learned. Industry professionals assist with the instruction and these professionals bring real-world experience and knowledge to share with each class based solely on their expertise. Participants will wear fully encapsulating suits and SCBA. On the last day of the course, there is a 100-question exam and a score of 70% or greater is needed to pass the course.

Prerequisites: Hazardous Materials First Responder Operations, Introduction to Radiological/Nuclear WMD Operations AWR-140-W, and Pre-Assessment.

Hours: 80

Cost: \$950, or \$1,175 for out of country attendees, (8 nights of eligible lodging included)

MI-TRAIN Course ID: 1081543

Dates and Locations: Oct 7-11 & Oct 21-25, 2024 – Lansing
March 17-21 & March 24-28, 2025 – Lansing
Apr 28- May 2 & May 5-9, 2025 – Lansing
May 19-23 & June 9-13, 2025 – Lansing

[Go to MI-TRAIN](#)

Hazardous Waste Operations and Emergency Response (40-Hour HAZWOPER) EPA 165.5

[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 be taught onsite at your department/organization by completing a [request](#).

Please note: This course name was previously, Hazardous Materials Incident Response Operations EPA 165.5 (40-Hour HAZWOPER), but the curriculum remains the same.

Hours: 40

Cost: \$900

MI-TRAIN Course ID: 1029070

Dates and Locations: March 3-7, 2025 – Lansing
September 8-12, 2025 – 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 taught onsite at your department/organization by completing a [request](#).

Prerequisite: 24-hour or 40-hour HAZWOPER course

Hours: 8

Cost: \$135

MI-TRAIN Course ID: 1029004

Dates and Locations: November 12, 2024 – Lansing

January 13, 2025 – Lansing

April 11, 2025 – Lansing

September 19, 2025 – Lansing

[Go to MI-TRAIN](#)

Highway Cargo Tank Specialty

[Return to List](#)

This three-day course is designed and intended for hazardous materials technicians who respond to releases, or potential releases, of hazardous materials from cargo tank trucks for the purpose of controlling the releases. This program provides 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: \$300, or \$370 for out of country attendees, (2 nights of eligible lodging included)

MI-TRAIN Course ID: 1034713

Dates and Locations: May 13-15, 2025 – Lansing

[Go to MI-TRAIN](#)

Hospital Emergency Response Team Training - HERT

[Return to List](#)

The Hospital Emergency Response Training for Mass Casualty Incidents (HERT) course addresses healthcare response at the operations level for the facility and its personnel. This two-day course prepares healthcare responders to utilize an Emergency Treatment Area as hospital first responders during a mass casualty incident involving victim contamination. The healthcare responders will determine and use appropriate personal protective equipment and conduct triage followed by decontamination of ambulatory and non-ambulatory patients as members of a Hospital Emergency Response Team.

This course can be taught onsite at your department/organization by request.

Hours: 16

MI-TRAIN Course ID: 1078019

[REQUEST](#)

Hospital Emergency Response Training: Application

[Return to List](#)

The Hospital Emergency Response Application is a 1-day follow-up course designed to provide practice for hospital staff and healthcare facilities that may be required to support a hospital's response to an MCI involving contamination. The course teaches learners how to apply NRF and NIMS to the HICS response to an MCI. This course will help hospitals, healthcare facilities, and agencies prepare to safely and effectively assist with the processing of MCI casualties.

To be eligible to attend the Hospital Emergency Response Application course, candidates must be employed by a healthcare facility or hospital and have successfully completed:

- AWR-160 Standardized Awareness Authorized Training Program or another certified awareness training course
- [IS-100.HCb](#) Introduction to the Incident Command System for Healthcare/Hospitals or any of the available IS-100 or ICS-100 series
- [IS-200.b](#) ICS for Single Resources and Initial Action Incidents or any of the available IS-200 or ICS-200 series
- [IS-700.a](#) National Incident Management System (NIMS), An Introduction
- [IS-800.b](#) National Response Framework (NRF), An Introduction
- Hospital Emergency Response Team Training

This course can be taught onsite at your department/organization by request.

Hours: 8

MI-TRAIN Course ID: 1079046

REQUEST

ICS 300–Intermediate ICS for Expanding Incidents

[Return to List](#)

This three-day course provides training on and resources for personnel who require advanced application of the Incident Command System (ICS). This course expands upon information covered in the ICS-100 and ICS-200 courses. The course objectives are to describe how the National Incident Management System (NIMS) Command and Management component supports the management of expanding incidents and describe the Incident/Event Management process for supervisors and expanding incidents as prescribed by the ICS. Also covered is the implementation of the Incident Management process on a simulated Type 3 incident and development of an Incident Action Plan for a simulated incident.

The target audience for this course are individuals who may assume a supervisory role in expanding incidents or Type 3 incidents. Note: During a Type 3 incident, some or all 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 is MCOLES approved for 302 funds. It is also eligible for Standardized E.M.S. Continuing Education Credits. Please reference the [Standardized EMS Continuing Education Credit Guide](#) for further details.

Prerequisites: [IS-100](#), [IS-200](#), [IS-700](#), and [IS-800](#)

Hours: 24

Cost: No cost

MI-TRAIN Course ID: 1029037

Dates and Locations: October 16-18, 2024 – Houghton
January 14-16, 2025 – Lansing
August 19-21, 2025 – Lansing

Go to MI-TRAIN

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

[Return to List](#)

This two-day course provides training on and resources for personnel who require advanced application of the Incident Command System (ICS). This course expands upon information covered in the ICS-100, ICS-200, and ICS-300 courses. 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.

The course objectives are to explain how major incidents engender special management challenges, describe the circumstances in which an area command is established and describe the circumstances in which multiagency coordination systems are established.

This course is MCOLES approved for 302 funds. It is also eligible for Standardized E.M.S. Continuing Education Credits. Please reference the [Standardized EMS Continuing Education Credit Guide](#) for further details.

Prerequisites: [IS-100](#), [IS-200](#), [ICS-300](#), [IS-700](#), and [IS-800](#)

Hours: 16

Cost: No cost

MI-TRAIN Course ID: 1029045

Dates and Locations: March 11-12, 2025 – Lansing
May 7-8, 2025 – Houghton

[Go to MI-TRAIN](#)

Introduction to Radiological/Nuclear WMD Operations (AWR-140)

[Return to List](#)

AWR-140 introduces Radiological/Nuclear WMD operations for first responders and others, who may be tasked with response or support missions. The course provides fundamental knowledge regarding recognition of the threat or incident, protective measures, notifications and securing the incident area. The course addresses competencies found in the National Fire Protection Association (NFPA) 472, Standard for Professional Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents (2013) for Awareness and Operations levels.

Course Objectives:

- Explain ionizing radiation, its sources, properties, and methods of measurement.
- Recognize possible radiological/nuclear threats and the consequences of a radiological/nuclear incident.
- Recognize radiological/nuclear indicators and clues as part of the on-scene analysis/size up and make notification requirements of a first responder during a radiological/nuclear WMD incident.
- Identify and initiate awareness level protective actions and isolation techniques at the scene to reduce radiation exposure and/or contamination to themselves and others.

Hours: 4

Cost: No Cost

This training can be completed online through the [CTOS Center for Radiological/Nuclear Training](#) or request a [mobile delivery](#) for a team/department.

Modern Day Decon (MDD) 8-Hours

[Return to List](#)

In this 8-hour session taught by Right Track Response Solutions, participants will be instructed in the principles and operational application of modern decontaminants (decon) and tools to make decon easier and more effective on transportation incidents. Decon processes have been relatively unchanged for 100+ years, this course explores how we can be more effective and efficient in decon. Discussions include decon for synthetic opioids, chemical warfare agents, biological warfare agents, toxic industrial chemicals/toxic industrial materials, and other emerging threats in transport. Other topics discussed will include decon in cold vs. warm weather, post-fire decon, disinfection, and decon with a smaller footprint. Recommended Standard Operating Guidelines (SOGs) will be presented, as well as integration of MDD into existing SOG's and agency operating procedures. Participants will demonstrate their knowledge during hands on practical exercises involving transportation incidents.

Tactical advantages help responders win the war. Wipe, Apply, Remove, Shower (WARS®), is a new concept that will help responders properly perform Decon. The attendee will also learn the five things to consider when determining the type of Decon to setup for the situation which are, Chemical properties, Location of contamination, Environmental conditions, Amount of contamination, and Net time of exposure (CLEAN®). Each of these concepts are part of a system that will guide responders in the proper decon application and type, to increase effectiveness and reduce potential exposure.

WHO SHOULD ATTEND: This course is intended for firefighters, police officers, government employees, military personnel, and private industry emergency responders and professionals, who could be asked to perform decon on a potential hazardous material emergency or job including a rail line or highway incident.

Hours: 8

Cost: \$100

MI-TRAIN Course ID: 1108016

Dates and Locations: December 5, 2024 – Lansing

[Go to MI-TRAIN](#)

Permit Required Confined Space Entrant, Attendant, and Supervisor [Return to List](#)

MIOSHA Parts 90 and 490 require employers provide training to employees who enter and perform work in permit required confined spaces. This course is designed to increase the employee's knowledge of hazards associated with permit required confined space (PRCS) entry. The goal of this course is to provide employees who work in or near permit required confined spaces the necessary knowledge, skills, and abilities to safely enter permit required confined spaces. Students will learn how to prepare entry permits, safe entry practices, and non-entry rescue skills needed to remove victims and rescuers from a permit space. This course fulfills the MIOSHA initial and recurring/annual training requirements for employees who work in or near PRCS. This course fulfills the Awareness level training requirements outlined in NFPA 1006 Standard for Technical Rescue Personnel Professional Qualifications. This course can be delivered at your facility or department by [request](#).

Course content includes:

- MIOSHA parts 90 and 490 review
- Entrant, attendant, and supervisor responsibilities and duties
- Analyzing a confined space(s) to determine if the space(s) is a PRCS
- Preparing confined space entry permits
- Recognizing, evaluating, and mitigating hazards associated with PRCS
- Air monitoring equipment and testing practices
- Ventilation equipment and practices
- Entry equipment and safety
- Initiating exterior search operations
- Non-entry rescue equipment and operations

Cost: \$160

MI-TRAIN Course ID: 1063735

Dates and Locations: TBD

[Go to MI-TRAIN](#)

Propane Emergencies

[Return to List](#)

This eight-hour course gives students the technical knowledge and hands-on skills required to respond to propane emergencies. It provides an understanding of the chemical and physical properties, use, storage, transportation, and tactics to safely mitigate an emergency involving propane.


Participants will need to bring firefighter turnout gear, NOT including SCBA.

This course can be taught onsite at your department/organization by request.

MI-TRAIN Course ID: 1075290

Hours: 8

Q Course Code Q05H: to request use of this funding please contact your Office of Fire Fighter Training, county training committee contact.



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

Hours: 24

Cost: \$300, or \$370 for out of country attendees, (2 nights of eligible lodging included)

MI-TRAIN Course ID: 1029065

Dates and Locations: October 28-30, 2024 – Lansing
September 3-5, 2025 – Lansing



ONLINE COURSES

Hazmat/WMD Awareness

[Return to List](#)

The primary purpose of this online module is to introduce private and public service personnel to the “first responder” concept; and to emphasize the importance of the first responder’s safety at hazardous materials incidents, whether those incidents are intentional or accidental.

This course meets the awareness level requirements for MI-OSHA and NFPA 472 and 473.

MI-TRAIN Course ID: 1023505

Cost: No cost



Radiological Awareness for Hazmat

[Return to List](#)

This web-based training course presents a radiological/nuclear WMD overview consisting of ionizing radiation fundamentals, terminology, health effects, and recognition factors. This information is requisite knowledge for responders performing the interdiction/prevention mission as well as first responders and other personnel who are likely to be the first to arrive on the scene of a radiological/nuclear incident. This fundamental knowledge of ionizing radiation and its effects is vital to responder safety, allowing performance of their mission while keeping the risk to themselves and the public as low as reasonably achievable.

MI-TRAIN Course ID: 1085831

Cost: No cost

