

**MICHIGAN STATE POLICE, EMERGENCY MANAGEMENT AND HOMELAND SECURITY DIVISION
2022-2023 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 2023 COURSES

COURSE TITLE (Alphabetically Listed)	MI-TRAIN COURSE ID	DATES
<u>Advanced Monitoring and Detection Specialty</u>	1087713	January 17-19, 2023 August 8-10, 2023
<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	February 27-March 1, 2023
<u>Chemistry of Hazardous Materials Part II</u>	1029000	April 10-12, 2023
<u>Confined Space Entry–Permit Required for Private Sector</u>	N/A	<u>Request this course</u>
<u>Confined Space Rescue–Emergency Response 32 hr.</u>	N/A	<u>Request this course</u>
<u>Confined Space Rescue–Private Sector</u>	N/A	<u>Request this course</u>
<u>Damage Assessment for Local Jurisdictions – Half-Day</u>	1063984	<u>Request this course</u>
<u>Flammable Gas Specialist</u>	1093053	August 17-18, 2023
<u>Hazard Communication, Right-to-Know and GHS</u>	1032780	<u>Request this course</u>
<u>Hazardous Materials Officer (NFPA 472, Chapters 11 and 12)</u>	1034094	February 7-9, 2023 August 28-30, 2023
<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 Scene Management</u>	N/A	<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	<u>Request this course</u>

<u>Hazardous Materials Technician</u>	1081543	Oct 10-14 & Oct 31-Nov 4, 2022 March 13-17 & April 24-28, 2023 May 8-12 & June 12-16, 2023 Aug 21-25 & Sept 18-22, 2023
<u>Hazardous Waste Operations and Emergency Response (40-Hour HAZWOPER) EPA 165.5</u>	1029070	March 6-10, 2023 September 11-15, 2023
<u>Hazardous Waste Operations (HAZWOPER) 8-Hour Refresher</u>	1029004	October 25, 2022 January 20, 2023 April 13, 2023 August 7, 2023
<u>Highway Cargo Tank Specialty</u>	1034713	October 26-28, 2022 May 22-24, 2023
<u>Homeland Security Exercise Evaluation Program (HSEEP) Course - Classroom (L146)</u>	1018869	October 6-7, 2022 March 15-16, 2023 June 1-2, 2023 August 24-25, 2023
<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	December 12-14, 2022 March 6-8, 2023 May 15-17, 2023 August 21-23, 2023
<u>ICS 400–Advanced ICS Command & General Staff–Complex Incidents</u>	1029045	January 23-24, 2023 June 12-13, 2023
<u>Incident Command System/Emergency Operations Center Interface (G191)</u>	1017942	October 28, 2022 January 18, 2023 June 16, 2023 July 14, 2023
<u>Introduction to Radiological/Nuclear WMD Operations (AWR-140)</u>	N/A	<u>Request this course</u>
<u>MI CIMS (WebEOC) End-User Training-Local Emergency Management Responders</u>	1034950	Various Dates-See MI-TRAIN
<u>Michigan Specific Core EM Knowledge Requirement (MI-CEMKR)</u>	1046211	October 24-25, 2022 February 8-9, 2023 April 26-27, 2023 August 1-2, 2023
<u>National Incident Command System/Incident Command System Workshop Part I</u>	1105337	<u>Request this course</u>
<u>National Incident Command System/Incident Command System Workshop Part II</u>	N/A	<u>Request this course</u>
<u>Professional Emergency Manager Designation Exam</u>	1018983	October 14, 2022 November 30, 2022 March 29, 2023 June 28, 2023 September 20, 2023
<u>Propane Emergencies</u>	1075290	<u>Request this course</u>
<u>Public Information Basics (L-105)</u>	1104108	October 3-5, 2022 February 28 – March 2, 2023 May 23-25, 2023 August 15-17, 2023
<u>Railcar Specialty for Hazardous Materials Technician</u>	1029065	September 6-8, 2023
<u>Standardized Awareness Training (AWR-160)</u>	1029043	<u>Request this course</u>

ONLINE COURSES

COURSE TITLE	MI-TRAIN COURSE ID
Hazmat/WMD Awareness	1023505
Homeland Security Exercise Evaluation Program (HSEEP) Course - Webinar (K146)	1058687
Radiological Awareness for Hazmat	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

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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 detector 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: \$280, or \$350 for out of country attendees, (2 nights of eligible lodging included)

MI-TRAIN Course ID: 1087713

Dates and Locations: January 17-19, 2023 – Lansing
August 8-10, 2023 – Lansing

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Anhydrous Ammonia Awareness

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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

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Anhydrous Ammonia Operations

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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.

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CBRNE/WMD Defensive Operations for Health Care Professionals

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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

MI-TRAIN Course ID: 1029097



Chemistry of Hazardous Materials Part I

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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: \$280, or \$350 for out of country attendees, (2 nights of eligible lodging included)

MI-TRAIN Course ID: 1028961

Dates and Locations: February 27-March 1, 2023 – Lansing



Chemistry of Hazardous Materials Part II

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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 an 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: \$280, or \$350 for out of country attendees, (2 nights of eligible lodging included)

MI-TRAIN Course ID: 1029000

Dates and Locations: April 10-12, 2023 – Lansing



Confined Space Entry–Permit Required for Private Sector

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This one- to three-day course is designed to increase the student's knowledge of hazards associated with permit-required confined space (PRCS) entry. The length of the program will be determined upon the types and hazards associated with the confined spaces the employee(s) will enter. Course 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.

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

Hours: 8, 16, or 24 hours based on the specific types of permit required confined spaces

REQUEST

Confined Space Rescue–Emergency Response 32-Hour

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This four-day 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 and the OSHA 29 CFR 1910.146 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.

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

Hours: 32

REQUEST

Confined Space Rescue–Private Sector

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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 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

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

Prerequisite: Confined Space Entry Permit Required - Private Sector

Hours: 8, 16, or 24 hours based on the types of confined spaces

REQUEST

Damage Assessment for Local Jurisdictions – Half-Day

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Damage Assessment is the crucial first step to recovering from a disaster in your community. Without it, response and recovery can be unorganized, resources inadequate, and recovery funds non-existent. This four-hours Damage Assessment for Local Jurisdictions - Workshop is facilitated by an experienced instructor who will introduce damage assessment concepts to individuals who will be rating damage in the field. Some topics covered include your role in disaster, state and federal damage assessment classification, conducting and documenting damage, visual documentation guidelines, coordination with your Emergency Management Coordinator and more!


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

Suggested Courses: IS-100, IS-559, IS-800.b

Hours: 4

Cost: No cost

MI-TRAIN Course ID: 1063984

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Flammable Gas Specialist

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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: \$210, or \$265 for out of country attendees (1 night of eligible lodging included)

MI-TRAIN Course ID: 1093053

Dates and Location: August 17-18, 2023 – Lansing

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Hazard Communication, Right-to-Know, and GHS

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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

MI-TRAIN Course ID: 1032780

This training can be completed [online](#).

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

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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: \$280, or \$350 for out of country attendees, (2 nights of eligible lodging included)

MI-TRAIN Course ID: 1034094

Dates and Locations: February 7-9, 2023 – Lansing
August 28-30, 2023 – Lansing

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Hazardous Materials Operations Level 4-Hour Refresher

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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

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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 Scene Management

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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. Incident commanders must also be competent in knowing and being able to implement the employer's incident command system/employer's emergency response plan/local emergency response plan, knowing and understanding the hazards and risks associated with employees who work in chemical protective clothing, being aware of the state emergency response plan and the federal regional response team, and knowing and understanding the importance of decontamination procedures. This course will address all these competencies as well as those listed in NFPA 1072, Chapter 8.

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

Prerequisites: First Responder Operations, ICS 100, and ICS 200

Q Course Code Q05E: to request use of this funding please contact your Office of Fire Fighter Training, county training committee contact.

REQUEST

Hazardous Materials Technician Level Responder Refresher

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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 Pre-Approved Standardized CE Credits guide available at http://www.michigan.gov/mdch/0,4612,7-132-2946_5093_28508-47472--_00.html#Forms_Pubs 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

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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

MI-TRAIN Course ID: 1058856

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Hazardous Materials Technician

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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 1072. 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: \$900, or \$1,125 for out of country attendees, (8 nights of eligible lodging included)

MI-TRAIN Course ID: 1081543

Dates and Locations: October 10-14 & October 31-November 4, 2022 – Lansing
March 13-17 & April 24-28, 2023 – Lansing
May 8-12 & June 12-16, 2023 – Lansing
August 21-25 & September 18-22, 2023 – Lansing

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

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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 6-10, 2023 – Lansing
September 11-15, 2023 – Lansing

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Hazardous Waste Operations (HAZWOPER) 8-Hour Refresher

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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: October 25, 2022 – Lansing
January 20, 2023 – Lansing
April 13, 2023 – Lansing
August 7, 2023 – Lansing

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Highway Cargo Tank Specialty

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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: \$280, or \$350 for out of country attendees, (2 nights of lodging included)

MI-TRAIN Course ID: 1034713

Dates and Locations: October 26-28, 2022 – Lansing
May 22-24, 2023 – Lansing

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Homeland Security Exercise and Evaluation Program (HSEEP) Course – Classroom (L0146)

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This two-day HSEEP training course will focus on exercise program management to include design and development, conduct, evaluation, and improvement planning. Additionally, the course will give participants a working knowledge of HSEEP, including the resources, tools, and policies that support compliance. It will highlight exercise program management in detail, and the HSEEP cycle in exercise design, development, conduct, evaluation, and improvement planning.

Prerequisites: IS-100, IS-120

Hours: 16

Cost: No cost

MI-TRAIN Course ID: 1018869

Dates and Locations: October 6-7, 2022 – East Lansing
March 15-16, 2023 – Detroit
June 1-2, 2023 – Kalamazoo
August 24-25, 2023 – Gaylord

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This training is also available as a webinar (K0146) through EMI. To view the schedule and to register for a webinar please go to MI-TRAIN course ID [1058687](#).

Hospital Emergency Response Team Training - HERT


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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

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Hospital Emergency Response Training: Application

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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

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ICS 300–Intermediate ICS for Expanding Incidents

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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 Pre-Approved Standardized CE Credits guide available at http://www.michigan.gov/mdch/0,4612,7-132-2946_5093_28508-47472--,00.html#Forms_Pubs 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: December 12-14, 2022 – Lansing
March 6-8, 2023 – Marquette
May 15-17, 2023 – Lansing
August 21-23, 2023 – Lansing

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

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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 Pre-Approved Standardized CE Credits guide available at http://www.michigan.gov/mdch/0,4612,7-132-2946_5093_28508-47472--,00.html#Forms_Pubs 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: January 23-24, 2023 – Lansing
June 12-13, 2023 – Lansing

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Incident Command System/Emergency Operations Center Interface (G191)

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This one-day course highlights the concepts and interaction between two disaster management systems: the Incident Command System and the Emergency Operations Center. Both elements will be studied as integral parts of the National Incident Management System required in disaster response. Discussion will examine issues in communication, coordination, and decision-making enabling participants to properly plan for response and recovery.

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

Suggested Courses: IS-701 and ICS-400

MI-TRAIN Course ID: 1017942

Cost: No cost

Dates and Location: October 28, 2022 –Royal Oak
January 18, 2023 –Charlotte
June 16, 2023 – Grand Haven
July 14, 2023 – Marquette

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

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This instructor-led 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.

This course is eligible for Standardized E.M.S. Continuing Education Credits. Please reference the Pre-Approved Standardized CE Credits guide available at http://www.michigan.gov/mdch/0,4612,7-132-2946_5093_28508-47472--_00.html#Forms_Pubs for further details.

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

Hours: 6

Q Course Code Q050: to request use of this funding please contact your Office of Fire Fighter Training, County Training Committee Contact.

[REQUEST](#)

MI CIMS (WebEOC) End-User Training-Local Emergency Management Responders

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This is a 4-hour instructor led classroom-based MI CIMS (**WebEOC) End User Training** computer training course for those who will need access to WebEOC during emergencies, disasters, and special events in Michigan. **A participant for this class MUST have an assigned position with a Local Emergency Operations Center (EOC) in Michigan.** All participants will be verified with their Emergency Management Coordinator before class. Anyone that is not able to be verified as associated with an Emergency Management Program will not be allowed to participate in class. A responder must attend a MI CIMS End User Training course to gain access into the system. These classes are not intended for those associated with a State Agency or the SEOC (please see course ID: 1034725).

Prerequisites: Sponsorship from a local Emergency Management Coordinator

MI-TRAIN Course ID: 1034950

Dates and Location: Various dates (See MI-TRAIN)

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Michigan Specific Core EM Knowledge Requirement (MI-CEMKR)

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The two-day MI-CEMKR course provides the basic knowledge a Michigan Emergency Manager needs to know, or where to go for the information, to be effective in performing the essential duties of their job. Topics include Public Act 390 of 1976, the Michigan Emergency Management Plan, local Emergency Planning, Damage Assessment, Emergency Communication, and other essentials.

Prerequisites:

- [FEMA Independent Study \(IS\) Professional Development Series](#) (7 online classes)
- [NIMS Training](#) (IS-100, 200, 700, and 800)

Suggested Course: IS-775: EOC Management and Operations

MI-TRAIN Course ID: 1046211

Cost: No cost

Dates and Location: October 24-25, 2022 – Virtual
February 8-9, 2023 – Virtual
April 26-27, 2023 – Virtual
August 1-2, 2023 – Virtual



National Incident Command System Workshop/Incident Command System Part I

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This is an instructor-led workshop reviewing the principles presented in the ICS 100-Introduction to the Incident Command System and the ICS 700- An Introduction to the National Incident Command System, both of which can be taken [online](#). This instructor-led workshop is beneficial for students who want to learn the principles covered in these courses or review this course material. After the lecture, this workshop features an instructor-led discussion on where each student would fit in with an incident.

ICS 100 introduces the Incident Command System (ICS) and provides the foundation for higher level ICS training. This course describes the history, features and principles, and organizational structure of the Incident Command System. It also explains the relationship between ICS and the National Incident Management System (NIMS). ICS 700 provides an overview of NIMS. NIMS defines the comprehensive approach guiding the whole community - all levels of government, nongovernmental organizations (NGO), and the private sector - to work together seamlessly to prevent, protect against, mitigate, respond to, and recover from the effects of incidents. The course provides learners with a basic understanding of NIMS concepts, principles, and components.

NOTE: After completing this workshop, students are invited to complete the FEMA online course exam if they chose. Students must have a FEMA SID Number and have access to a web-capable device to complete the exams and get FEMA certificates.

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

Hours: 8

MI-TRAIN Course IDs: 1105337



National Incident Command System/Incident Command System Workshop Part II

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This is an instructor-led workshop covering the topics of the ICS 200- Basic Incident Command System for Initial Response course, which can also be taken online. This instructor-led workshop is beneficial for students who want to learn the principles covered in this course. After the lecture, this workshop features an instructor-led discussion about the Incident Command System (ICS) and National Incident Management System (NIMS).

ICS 200 reviews the Incident Command System (ICS), provides the context for ICS within initial response, and supports higher level ICS training. This course provides training on, and resources for, personnel who are likely to assume a supervisory position within ICS. NOTE: This course features a digital online course exam. Students must have FEMA SID Number and have access to a web-capable device to complete the exam and get their certificate.

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

Prerequisites: ICS-100

Hours: 8

MI-TRAIN Course IDs: N/A

REQUEST

Professional Emergency Manager (PEM) Designation Exam

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The Professional Emergency Manager Designation exam is a comprehensive set of 100 questions covering the five phases of emergency management. Successful candidates will receive the title of Professional Emergency Manager after fulfilling the requirements of the Professional Emergency Manager Program and passing the test with 75% or higher. Registrations must be submitted at least thirty (30) days prior to the exam date.

Prerequisites: Completion of the requirements set forth in the PEM program

MI-TRAIN Course ID: 1018983

Dates and Locations: October 14, 2022 – Negaunee
November 30, 2022 – Dimondale
March 29, 2023 – Dimondale
June 28, 2023 – Dimondale
September 20, 2023 – Marquette

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Propane Emergencies

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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.

REQUEST

Public Information Basics (L-105)

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To equip participants with the skills needed to be full or part-time PIOs, including oral and written communications; understanding and working with the media; and basic tools and techniques to perform effectively as a PIO, both in the proactive/ advocacy times and crisis/emergency response.

The learner must achieve a minimum passing score of 75% on final knowledge assessments or demonstrate mastery on performance assessments or research assignments to earn the IACET CEU.

Course Objectives: Using the strategic communications planning model, develop a public awareness campaign (95%) Using the strategic communications planning model, develop an incident communications strategy (5%) Indicate the purpose of a public awareness campaign Identify the steps in developing a public awareness campaign Develop a strategy for an awareness campaign on a selected topic Change the method of developing a plan to follow the 8-step StratCom process Demonstrate the role and function of the PIO in both day-to-day emergency environments Compare actions PIOs can take to work with the news media during day-to-day and emergency situation Describe different public information written products Apply effective news release writing guidance Adapt or repurpose written media products for social media Describe what types of impressions specific body language might convey during an interview Identify elements of an interview the PIO should consider ahead of time Identify steps a PIO needs to take to prepare for and conduct a news interview Demonstrate effective techniques for on-camera interviews Mission Areas Common

Prerequisites: IS-029.a

Course Cost: No cost

MI-TRAIN Course ID: 1017932

Dates and Location: October 3-5, 2022 – MSU EOC – East Lansing
February 28 – March 2, 2023 – Farmington Hills
May 23-25, 2023 – Frankenmuth
August 15-17, 2023 – Traverse City

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Railcar Specialty for Hazardous Materials Technician

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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: \$280, or \$350 for out of country attendees, (2 nights of lodging included)

MI-TRAIN Course ID: 1029065

Dates and Locations: September 6-8, 2023 – Lansing

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Standardized Awareness Training (AWR-160)

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The Standardized Awareness Training (SAT) course covers the essential course material on Chemical, Biological, Radiological, Nuclear, or Explosive (CBRNE) hazards and materials, prevention and deterrence methods, and the Emergency Response Guidebook (ERG; U.S. Department of Transportation [DOT], 2008). Topics in this course include prevention and deterrence, identification of hazardous materials and the ERG, chemical agents, biological agents, radiological materials and nuclear weapons, and explosive devices. The course is supported by a parallel course, the Standardized Awareness Authorized Training, Train-the Trainer (SAAT) course, the purpose of which is to provide supervisors and trainers with the information and skills required to instruct the Standardized Awareness Training at their local jurisdictions.

This course is eligible for Standardized E.M.S. Continuing Education Credits. Please reference the Pre-Approved Standardized CE Credits guide available at http://www.michigan.gov/mdch/0,4612,7-132-2946_5093_28508-47472--_00.html#Forms_Pubs for further details.

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

Hours: 8

MI-TRAIN Course ID: 1029043

REQUEST

ONLINE COURSES

Hazmat/WMD Awareness

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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.

MI-TRAIN Course ID: 1023505

Cost: No cost

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Homeland Security Exercise and Evaluation Program (HSEEP) – Webinar (K0146)

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This online, two-day, HSEEP training course will focus on exercise program management to include design and development, conduct, evaluation, and improvement planning. Additionally, the course will give participants a working knowledge of HSEEP, including the resources, tools, and policies that support compliance. It will highlight exercise program management in detail, and the HSEEP cycle in exercise design, development, conduct, evaluation, and improvement planning.

Course registration is required through the Emergency Management Institute.

Course Objectives:

- Increase awareness of the Homeland Security Exercise Evaluation Program Doctrine.
- Clarify Roles and Responsibilities.
- Improve Teamwork and Coordination.

MI-TRAIN Course ID: 1058687

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Radiological Awareness for Hazmat

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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

