

# Disaster Response Management Certificate (HAZC)

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This training program is designed to meet the needs of emergency services personnel (fire, law enforcement, and emergency management) and private/public sector managers responsible for all types of emergency planning and response operations.

The courses are designed to meet the National Incident Management Systems (NIMS) standard for planning and response to an All-Hazards Emergency.

For more information call the Workforce Development Center at (513) 569-1643 or toll-free (888) 569-1709.

## Disaster Response Management Certificate (HAZC)

Semester 1		Lec	Lab	Credits
TBE 101	Introduction to Incident Management Operations	1	0	1
THZ 110	Basic Hazardous Materials Chemistry	1	0	1
THZ 130	Radiological and Biological Emergency Preparedness Planning	2	0	2
THZ 140	Introduction to WMD Terrorism	2	0	2
Semester 2				
THZ 120	Disaster Preparedness and Business Continuity Planning	2	0	2
THZ 141	Consequences of Terrorism	2	0	2
THZ 150	Disaster Modeling	2	1	2.5
THZ 160	Crisis Media Relations	1	0	1
<b>Total Credits:</b>		<b>13</b>	<b>1</b>	<b>13.5</b>

## Courses

### THZ 101 First Responder-OSHA HAZMAT Operations Level 0.5 Credits. 0.5 Lecture Hour. 0 Lab Hour.

This course is designed to meet the basic operations level to be a hazardous materials (HAZMAT) First Responder. Course topics focus on basic hazard recognition/risk assessment and defensive spill containment techniques. This course is designed to meet the OSHA, USEPA, USDOT, & NFPA training requirements for individuals who handle and/or exposed to hazardous substances. A hazardous substances includes hazardous materials and hazardous wastes. Prerequisites: None

### THZ 103 HAZMAT (HAZWOPER) Annual Refresher 0.5 Credits. 0.5 Lecture Hour. 0 Lab Hour.

A course that meets the annual refresher training requirements for individuals who perform environmental clean-up remediation work at sites regulated by federal and state environmental protection agencies. This course also meets the OSHA 29 CFR 1910.120 (HAZWOPER) standard and NFPA Standard 472 for Professional Qualifications for Hazardous Materials Responders. Prerequisites: None

### THZ 104 OSHA 24-Hour HAZMAT (HAZWOPER) I Technician 1 Credit. 1 Lecture Hour. 0 Lab Hour.

A course on defensive and offensive measures that stop and contain hazardous substance spills and releases. Topics include: USDOT HAZMAT labeling, air monitoring, DECON operations, respiratory protections, and spill control. This course meets the OSHA, EPA, NFPA and DOT training requirements for individuals who handle and/or are exposed to hazardous material and hazardous waste. Prerequisites: None

### THZ 105 OSHA 40-Hour HAZMAT (HAZWOPER) Workshop 3 Credits. 2 Lecture Hours. 1 Lab Hour.

A course for individuals who will perform hazardous materials response activities at the HAZMAT Technician level, and for personnel involved with investigation and remediation of hazardous waste sites and "Brown Fields" at the General Site Worker Level. This course meets regulatory requirements of OSHA 29 CFR 1910.120 and 29 CFR 1926.62 (Hazardous Waste Operations and Emergency Response), NFPA Standard 472, and USEPA 40 CFR 311. Prerequisites: None  
Instructor Consent Required

### THZ 106 On-Scene Hazardous Materials and All Hazards Incident Command Workshop 1 Credit. 1 Lecture Hour. 0 Lab Hour.

A course on duties and responsibilities of an On-Scene Incident Commander for all types of hazardous materials and critical incidents. Topics include: National Incident Management System (NIMS), OSHA and FEMA risk assessment, emergency response planning, and HAZMAT strategy and tactics. Prerequisites: None

### THZ 110 Basic Hazardous Materials Chemistry 1 Credit. 1 Lecture Hour. 0 Lab Hour.

A basic chemistry course specifically designed to assist emergency services and safety professionals who manage or respond to a hazardous material (HAZMAT) event. Topics include: atomic structures, chemical elements, periodic table, chemical bonding, chemical reactions and HAZMAT chemical terminology. Prerequisites: None

### THZ 120 Disaster Preparedness and Business Continuity Planning 2 Credits. 2 Lecture Hours. 0 Lab Hour.

A course that provides the private and public sector management, emergency services, or safety professional an in-depth understanding of management issues involved in disaster planning and an organization's ability to restore normal business operations. Topics include: emergency response plans, risk assessment, crisis management teams, business continuity planning, and continuity of operations. The course materials are based on Department of Homeland Security (DHS) and NFPA 1600-Business Continuity Planning. Prerequisites: THZ 110

**THZ 130 Radiological and Biological Emergency Preparedness Planning**

**2 Credits. 2 Lecture Hours. 0 Lab Hour.**

A course for emergency services or safety professionals, US military personnel, or private sector risk managers on radiological and biological incidents and their consequences. Topics include: terminology, the National Response Framework (NRF) Plan, biological threats, damage assessment, and containment and recovery protocols.

Prerequisites: None

Instructor Consent Required

**THZ 140 Introduction to WMD Terrorism**

**2 Credits. 2 Lecture Hours. 0 Lab Hour.**

A course for emergency services and safety professionals and private sector safety and emergency management professionals on terrorism and employment of weapons of mass destruction (WMD). Topics include: counter-terrorism and anti-terrorism techniques employed by US federal agencies and the US Department of Defense; and use of chemical, biological, radiological, nuclear, and explosives in a terrorist incident.

Prerequisites: None

Instructor Consent Required

**THZ 141 Consequences of Terrorism**

**2 Credits. 2 Lecture Hours. 0 Lab Hour.**

A course for emergency services or safety professionals on understanding how terrorists plan and execute an attack. Topics include: history of terrorism, terrorist tactics and operations, case studies of terrorist attacks, and cultural and political awareness.

Prerequisites: TBE 101

Instructor Consent Required

**THZ 150 Disaster Modeling**

**2.5 Credits. 2 Lecture Hours. 1 Lab Hour.**

A course for emergency services or private sector safety professionals on the computer modeling systems used to conduct "plume" analysis. Topics include: CAMEO (Computer-Aided Management of Emergency Operations), GIS (Geographic Information Systems), WISER (Wireless Information System for Emergency Responders) HAZMAT (Hazardous Material) Response Planning, Emergency Operation Centers, and integration of modeling software into the Common Operating Picture.

Prerequisites: None

Instructor Consent Required

**THZ 160 Crisis Media Relations**

**1 Credit. 1 Lecture Hour. 0 Lab Hour.**

A course for the public and/or private sector spokesperson or public affairs officer on media relations and operations during a crisis.

Topics include: types of media, public information officer duties and responsibilities, press kits, media plans, and press briefings.

Prerequisites: None

Instructor Consent Required