



Northeastern Illinois Public Safety Training Academy

Course Syllabus

Title: Hazardous Materials Incident Command	Program Duration: 16 Hours
Type: Campus Training Program (CTP)	Manager: Patrick Reynolds

Course Description

The Hazardous Materials Incident Command course is designed to train persons who respond to hazardous materials/weapons of mass destruction (WMD) incidents for the purpose of implementing or supporting actions to protect nearby persons, the environment, or property from the effects of a hazardous material release and will function as a Hazardous Materials Incident Commander within the Incident Management System (IMS) or within a Unified Command.

The curriculum is designed to fulfill the standards as set forth by NFPA 472, Standard for Professional Competence of Responders to Hazardous Materials Incidents, current edition.

Successful completion of the NIPSTA Hazardous Materials Incident Command course, both cognitive and practical application, will fulfill course requirements for certification with the Illinois Office of the State Fire Marshal (OSFM) as a Hazardous Materials Incident Command.

Prerequisites

The purpose of prerequisite course work is to ensure students have sufficient backgrounds to understand the terminology, tactics, and practical applications presented in NIPSTA programs. At a minimum, NIPSTA requires the following course work (or equivalent) in order to attend the Hazardous Materials Incident Command course:

- Basic Operations Firefighter
- Hazardous Materials-First Responder Operations

***Those in a private industry or law enforcement discipline are not be required to complete the above-mentioned prerequisites based upon their discipline. However, without the Illinois Office of the State Fire Marshal (OSFM) requirements listed above, individuals will not be able to receive OSFM Certification as Hazardous Materials Incident Command.**

Attendance

In order to receive a certificate of completion for courses, NIPSTA requires students to be present for all lectures, demonstrations, practical skills, and exercises. In addition, a student will be required to successfully complete a written examination with a passing score of 70% or greater.

Safety

NIPSTA Instructors will ensure hazards have been identified, addressed and course safety guidelines are discussed prior to operations. Unsafe actions or behaviors will not be tolerated and will be grounds for dismissal.

Academic Integrity

NIPSTA aspires to the highest possible standards of honesty and integrity in all of its programs. Academic integrity and honesty are key tenants of the NIPSTA experience. NIPSTA Instructors set forth clear ethical expectations, promote consistency of standards, and encourage reporting of dishonest and unsafe behaviors. While education through participation is the central goal for every NIPSTA program, it is only possible when honesty and integrity are part of the overall mission.

Performance Testing & Evaluation

NIPSTA uses multiple methods of measuring competency of subject matter including cognitive or performance skill testing. Performance skill tests, measure an individual's ability to perform specific tasks or applications based on given or known JPRs. Unless otherwise specified, performance skill tests will be pass or fail. Performance skill tests will be based upon the Illinois Office of the State Fire Marshal (OSFM) Practical Skills Examination.

Continuing Medical Education (CME)

The NIPSTA Hazardous Materials First Responder-Operations course is approved, through Illinois EMS Region X Highland Park Hospital, for 2 hours of Illinois Department of Public Health (IDPH) Continuing Medical Education for IDPH medical license holders.

ADA Compliance

Students with a documented learning disability, as that term is used in the American with Disabilities Act (ADA), may qualify for reasonable assistance under... See ___ for more info

Course Content

Course content is grouped into Subject Area Modules (Mods). Mods are broken up by hours and will be covered over the course of the program. The following 13 Mods are covered in the Hazardous Materials Incident Command Course:

Pre-course assignment	Mod 4: Communication Principles
Introduction & Orientation	Mod 5: The Eight Step Process: From Control to Termination
Mod 1: Laws and Regulations	Mod 6: Incident Assessment and Analysis
Mod 2: Incident Management Principles	Mod 7: Planning the Response: Mobilization of Resources
Mod 3: Overview of the Hazardous Materials Incident Management System	Mod 8: Planning the Response: Science Driven Protective Actions

- Mod 9:** Incident Management System (IMS) Operational Practices and Procedures
- Mod 10:** Implementing the Incident Management System (IMS)
- Mod 11:** Reassessment of Incident Tactics
- Mod 12:** Special Considerations: CBRN/Terrorism/Criminal Actions
- Mod 13:** Termination of Hazardous Materials Incidents to a Responsible Party

Hazardous Materials Incident Command Schedule

Day 1

Reading List

Jones and Bartlett Learning, *Managing the Incident*, 4th Edition. Ch. 1-6
Emergency Response Guide (ERG), 2016 Edition, Department of Transportation

<u>Lecture (5.5 hours)</u>	<u>Avg. Time</u>
Pre-course Assignment	15 min
Introduction & Orientation	15 min
Mod 1: Laws and Regulations	60 min
Mod 2: Incident Management Principles	60 min
Mod 3: Overview of the Hazardous Materials IMS	60 min
Mod 4: Communication Principles	30 min
Mod 5: The Eight Step Process: From Control to Termination	60 min
Mod 6: Incident Assessment and Analysis	30 min
<u>Practical Exercises (2 hours)</u>	<u>Avg. Time</u>
Incident Management Science Tabletop (ERG and SDS)	120 min

Day 2

Reading List

Jones and Bartlett Learning, *Managing the Incident*, 4th Edition. Ch. 7-12

<u>Lecture (5 hours)</u>	<u>Avg. Time</u>
Mod 7: Planning the Response: Mobilization of Resources	60 min
Mod 8: Planning the Response: Science Driven Protective Actions	60 min
Mod 9: Incident Management System (IMS) Operational Practices and Procedures	60 min
Mod 10: Implementing the Incident Management System (IMS)	30 min
Mod 11: Reassessment of Incident Tactics	30 min
Mod 12: Special Considerations: CBRN/Terrorism/Criminal Actions	30 min
Mod 13: Termination of Hazardous Materials Incidents to a Responsible Party	30 min

Practical Exercises (3 hours)	Avg. Time
IAP Development and Incident Response	120 min
Examination/Evaluations	60 min

Reference List

NFPA 472, *Standard for Professional Competence of Responders to Hazardous Materials Incidents*, 2013 Edition.

Department of Transportation (DOT), *Emergency Response Guidebook*, 2016 Edition.

Jones and Bartlett Learning, *Managing the Incident*, 4th Edition.