



Northeastern Illinois Public Safety Training Academy

Course Syllabus

403

Title: Fire Incident Safety Officer	Program Duration: 40 Hours
Type: Campus Training Program (CTP)	Coordinator: O. Diaz

Course Description

NIPSTA's Fire Department Incident Safety Officer program is designed to exceed the requirements outlined by the Illinois Office of the State Fire Marshal ("OSFM"), and provides students with the knowledge and skills needed to perform as an Incident Safety Officer, as defined by NFPA 1521.

Prerequisites

The purpose of pre-requisite 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 successful completion of the following:

- Member of a recognized fire department or brigade
- OSFM Fire Officer I or Company Fire Officer

Attendance

In order to receive a certificate of completion for courses, NIPSTA requires students to be present for all lectures, demonstrations and evolutions.

Safety

NIPSTA Instructors will ensure hazards have been identified and addressed prior to the start of each program. All 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 academic honesty and integrity in all programs as 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 employs multiple methods of measuring competency subject matter, including cognitive and performance skill testing. Cognitive skills will be measured by utilizing a comprehensive written exam at the conclusion of the course. Students must achieve a minimum 70% score to successfully pass the written exam. 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 measured on a pass or fail basis.

ADA Compliance

Students with a documented disabilities, as that term is used in the American with Disabilities Act (ADA), may qualify for reasonable accomodations as defined in section 504 of the Rehabilitation Act of 1973.

Textbook

The following textbook is suggested for NIPSTA's Incident Safety Officer course.

- Title: "Fire Department Incident Safety Officer", 3rd Edition*

**Supplemental texbook material will be provided by Course Coordinator for students on, or prior, to day-one of the program.*

Pre-course Assignments

The purpose of pre-course assignments is to ensure candidates are prepared to succeed at the onset of the program. The pre-course assignments for NIPSTA's Incident Safety Officer course are as follows:

- **Read:** "Fire Department Incident Safety Officer", chapters 1, 2, 3 and 4

40 Hour Course Content

Course content is broken into subject area modules or "Mods". NIPSTA's Incident Safety Officer program is comprised of the following 30 Mods:

Mod 1: Introduction & Orientation

Mod 2: Review & Discuss Assignments

Mod 3: ISO Roles & Responsibilities

Mod 4: Concepts of Risk Management

Mod 5: Laws, Regulations & Standards

Mod 6: ISO System Development

Mod 7: Incident Action Plan Development

Mod 8: SOG Development

Mod 9: Reading Smoke

Mod 10: Reading Risk

Mod 11: Reading Hazardous Energy

Mod 12: Reading Firefighters

Mod 13: Modern Fire/Smoke Behavior

Mod 14: Hazard Evaluation Exercise

Mod 15: ISO Triggers & Traps

Mod 16: Working within ICS/NIMS

Mod 17: ISO on the Fire Scene

Mod 18: ISO on the EMS scene

Mod 19: Post Incident/Accident Invest.

Mod 20: MAYDAY/Injured FF Exercise

Mod 21: Turnout Gear Insp. Exercise

Mod 22: Wildland Incidents

Mod 23: Hazardous Material Incidents

Mod 24: Technical Rescue Incidents

Mod 25: Training Operations

Mod 26: Live Fire Training (NFPA 1403)

Mod 27: Special Operations Excecise

Mod 28: Accident Investigaion Exercise

Mod 29: Requisite Knowledge Assesment

Mod 30: Requisite Skills Assesment

Learning Outcomes & Evaluation

Following the conclusion of these modules, students will be familiar with the requisite knowledge and skills needed to perform as an Fire Department Incident Safety Officer. Written and practical evaluations will be conducted at the completion of this course.

Course Schedule

DAY 1

Lecture (3 hours)

- Mod 1:** Introduction & Orientation
- Mod 2:** Review & Discuss Pre-Course Assignments
- Mod 3:** ISO Roles & Responsibilities
- Mod 4:** Concepts of Risk Management
- Mod 5:** Laws, Regulations & Standards
- Mod 6:** ISO System Development

Field Exercises (3 hours)

- Mod 7:** Incident Action Plan Development
- Mod 8:** Standard Operation Guideline Development

Homework (2 hours)

- Read:** Chapters 5, 6, 7, 8, and 9
- Find & Report:** Find your department's Accident & Injury Report template, Turnout Gear Spec, and Turnout-gear Maintenance Plan and prepare to discuss.

DAY 2

Lecture (3 hours)

- Review & Discuss Homework
- Mod 9:** Reading Smoke
- Mod 10:** Reading Risk
- Mod 11:** Reading Hazardous Energy
- Mod 12:** Reading Firefighters

Field Exercises (3 hours)

- Mod 13:** Modern Fire/Smoke Behavior
- Mod 14:** Hazard Evaluation Exercise

Homework (2 hours)

- Read:** Chapters 10, 11, 12, and 16
- Find & Report:** Find your department's Infection Control Plan, After Action Report, and prepare to discuss.

DAY 3

Lecture (3 hours)

Review & Discuss Homework

Mod 15: ISO Triggers & Traps

Mod 16: Working within the Incident Command System

Mod 17: ISO on the Fire Scene

Mod 18: ISO on the EMS scene

Mod 19: Post Incident/Accident Investigation

Field Exercises (3 hours)

Mod: 20: MAYDAY Management Exercise

Mod: 21: Turnout Gear Inspection Exercise

Mod: 14: Hazard Evaluation Exercise

Homework (2 hours)

Read: 13, 14, 15, and 17

Find & Report: TBD

DAY 4

Lecture (2 hours)

Review & Discuss Homework

Mod 22: Wildland Incidents

Mod 23: Hazardous Material Incidents

Mod 24: Technical Rescue Incidents

Mod 25: Training Operations

Mod 26: Live Fire Training (NFPA 1403)

Exercises (6 hours)

Mod 27: Special Operations Exercise

Mod 28: Accident Investigation Exercise

Mod 14: Hazard Evaluation Exercise

Homework (2 hours)

Read: NFA Live Fire SOG

Report: Using a report of your choosing, complete a written accident investigation report.

DAY 5

Lecture (2 hours)

Mod 29: Requisite Knowledge Assessment

- Course Exam

Field Exercises (6 hours)

Mod 30: Requisite Skills Assessment

- Fireground Operations
 - *Working within the ICS structure, assume the ISO duties at a live fire event*
 - *Manage REHAB & FF DECON during a live fire scenario*
- Special Operations
 - *Working within the ICS structure, assume the ISO duties at a special operations event*
 - *Manage REHAB and DECON during a technical rescue scenario*

Course Review & Evaluation

Reference List

Dodson, D. W. (2017). *Fire Department Incident Safety Officer*. Burlington, MA: Jones & Bartlett Learning.

NFPA 1521, Standard for Fire Department Safety Officer Professional Qualifications. (2015). Quincy, MA: National Fire Protection Association.

2015 American Heart Association Guidelines: update for CPR and ECC. (2015). Dallas, TX: American Heart Association.

Federal Emergency Management Agency (FEMA), National Urban Search and Rescue Task Force Safety Officer Student Manual, 2006

NIPSTA Fire Academy Live Fire SOG