

	<b>Course Syllabus</b>	
		<b>403</b>

<b>Title:</b> Fire Incident Safety Officer <b>Type:</b> Campus Training Program (CTP)	<b>Program Duration:</b> 40 Hours <b>Coordinator:</b> S. Exo
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### 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. NIPSTA's Fire Department Incident Safety Officer program presented in two (2) "Phases":

- Phase I - Education: Presented via eight (8) hours of online learning and reading.
- Phase II - Practical Application: Presented on campus via thirty two (32) hours of discussion and hands-on exercises (Tuesday through Friday).

### 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 accomidations as defined in section 504 of the Rehabilitation Act of 1973.

## Textbook

The following textbook is required for NIPSTA's Incident Safety Officer course:

- Title: *“Fire Department Incident Safety Officer”*, revised 3rd Edition
  - ISBN 9781284216554

## 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 assignment for NIPSTA's Incident Safety Officer course is as follows:

- Log-in:** After purchase of your preferred textbook version, redeem your access code and log into Navigate2 using the course code provided by the Program Coordinator prior to Phase I.

## 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 Mods:

**Mod:** Introduction & Orientation  
**Mod:** Phase I Review  
**Mod:** ISO Roles & Responsibilities  
**Mod:** NFPA 1521 Exercise  
**Mod:** Incident Command Exercise  
**Mod:** Laws, Regulations & Standards  
**Mod:** Designing and ISO System  
**Mod:** ISO Program Development Exercise  
**Mod:** Accident Case Study Exercise  
**Mod:** Reading Buildings Discussion  
**Mod:** Reading Smoke Discussion  
**Mod:** Reading Hazardous Energy  
**Mod:** Fire Behavior Exercise  
**Mod:** Risk Evaluation Exercise  
**Mod:** Risk Benefit Exercise  
**Mod:** Reading Firefighters Discussion  
**Mod:** Incidents & Training Responsibilities  
**Mod:** NFPA 1403 Discussion  
**Mod:** ISO Documentation Exercise  
**Mod:** PPE Evaluation Exercise  
**Mod:** Incident Action Plan (IAP) Exercise

**Mod:** IAP Evaluation Exercise  
**Mod:** ISO Triggers & Traps Discussion  
**Mod:** Working within the ICS structure  
**Mod:** ISO at Structure Fires  
**Mod:** ISO at Wildland Fires  
**Mod:** ISO at HazMat Incidents  
**Mod:** ISO at Technical Rescue Incidents  
**Mod:** Checklist & Guideline Development  
**Mod:** Fireground/Incident Simulation  
**Mod:** Incident Safety Documentation  
**Mod:** Post Incident Responsibilities  
**Mod:** Near-miss & Accident Investigation  
**Mod:** Post Incident Analysis Exercise  
**Mod:** Near-miss & Accident Investigation  
**Mod:** NFA Live Fire Prop & IAP review  
**Mod:** Final Exam  
**Mod:** Fireground Simulation Scenarios  
**Mod:** Live Fire Evolution: Pre-fire Briefing  
**Mod:** Live Fire Evolution: ISO Assignment  
**Mod:** Live Fire Evolution: Rehab  
**Mod:** Post Incident Analysis Exercise

## Phase I Course Schedule

This "blended" Phase I format allows students eight (8) course hours to work through the required textbook material beginning one (1) week prior to Phase II. Students are encouraged to follow the five day reading and exercise schedule prior to attending the Phase II session so they can be better prepared to participate in hands-on/group exercises.

### Day 1

**Read:** Chapters 1, 2 & 3

**Video:** None

**Quiz:** Chapters 1, 2 & 3 (online via Jones & Bartlett "Navigate2")

### Day 2

**Read:** Chapters 4, 5 & 6

**Video:** *"The Art of Reading Smoke"* (online via Jones & Bartlett "Navigate2")

**Quiz:** Chapters 4, 5 & 6 (online via Jones & Bartlett "Navigate2")

### Day 3

**Read:** Chapters 7, 8 & 9

**Video:**

**Quiz:** Chapters 7, 8 & 9 (online via Jones & Bartlett "Navigate2")

### Day 4

**Read:** Chapters 10, 11, 12 & 13

**Video:**

**Quiz:** Chapters 10, 11, 12 & 13 (online via Jones & Bartlett "Navigate2")

### Day 5

**Read:** Chapters 14, 15, 16 & 17

**Video:**

**Quiz:** Chapters 14, 15, 16 & 17 (online via Jones & Bartlett "Navigate2")

## **Phase II Course Schedule**

### **DAY 1**

#### **Morning**

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- Mod:** Introduction & Orientation
- Mod:** Phase I Pre-Course Assignment Review
- Mod:** ISO Roles & Responsibilities Discussion
- Mod:** NFPA 1521 Exercise
- Mod:** Incident Command & the ISO exercise

#### **Afternoon**

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- Mod:** Laws, Regulations & Standards Discussion
- Mod:** Designing and ISO System Discussion
- Mod:** ISO Program Development Exercise
- Mod:** Accident Case Study Exercise

### **DAY 2**

#### **Morning**

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##### **Day 1 Review**

- Mod:** Reading Buildings Discussion
- Mod:** Reading Smoke Discussion
- Mod:** Reading Hazardous Energy Discussion
- Mod:** Fire Behavior Exercise
- Mod:** Risk Evaluation Exercise
- Mod:** Risk Benefit Exercise

#### **Afternoon**

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- Mod:** Reading Firefighters Discussion
- Mod:** ISO: Incidents & Training Responsibilities Discussion
- Mod:** NFPA 1403 Discussion
- Mod:** Incident Safety Documentation Exercise
- Mod:** Personal Protective Equipment Evaluation Exercise
- Mod:** Incident Action Plan (IAP) Exercise
- Mod:** IAP Re-evaluation Exercise (suspending, altering, terminating operations)

## **DAY 3**

### **Morning**

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#### **Day 2 Review**

**Mod:** ISO Triggers & Traps Discussion

**Mod:** Working within the Incident Command System Discussion

**Mod:** ISO at Structure & Wildland Fires Discussion

**Mod:** ISO at Hazardous Materials & Technical Rescue Incidents Discussion

**Mod:** Checklist & Guideline Development Exercise

**Mod:** Fireground/Incident Simulation Exercise

**Mod:** Incident Safety Documentation Exercise

### **Afternoon**

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**Mod:** Post Incident Responsibilities Discussion

**Mod:** Near-miss & Accident Investigation Discussion

**Mod:** Post Incident Analysis Exercise

**Mod:** Near-miss & Accident Investigation Exercise

**Mod:** NFA Live Fire Prop & IAP review

## **DAY 4**

### **Morning**

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#### **Day 3 & Course Review**

**Mod:** Final Exam (online via Jones & Bartlett Navigate2)

**Mod:** Live Fire Evolution – Pre-fire Briefing & Preparation

**Mod:** Live Fire Evolution – ISO Fireground Exercise

### **Afternoon**

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**Mod:** “You are the ISO” – Fireground Simulation Scenarios

**Mod:** Post Incident Analysis Exercise

**Mod:** Course Evaluation Questionnaire (CEQ)

## Reference List

Dodson, D. W. (2017). *Fire Department Incident Safety Officer* (revised 3<sup>rd</sup> ed.). Burlington, MA: Jones & Bartlett Learning.

*NFPA 1521, Standard for Fire Department Safety Officer Professional Qualifications.* (2020). 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