

Program of Instruction

Course Syllabus

Course Title: Incident Safety Officer for Emergency Medical Service

Course Duration: 40 hours

Program: Fire Officer

Course Prerequisites: None

Course Description: This course is designed for emergency medical responders who may be designated by the incident commander (IC) as an incident safety officer (ISO) for emergency medical operations. In this course, the student learns how to monitor for safety concerns at the various types of incidents including Fire, Roadway, Technical Rescue, and Hazardous Materials. Upon successful completion of this course, the student will have an increased level of knowledge of critical safety concerns at the scene of incidents involving emergency medical services. The course will prepare EMS personnel to act as an ISO while working within the Incident Command Framework.

Course Requirements and/or Recommendations: These can be divided into three categories: those completed prior to arriving in class (Pre-Course Work), those completed during class, such as homework assignments and quizzes (Course Work), and requirements completed after class sessions have ended, but prior to receiving a certificate of completion. (Post-Course Work)

Summary of Directions

Pre-Course Work: None

Course Work: Attend 100% of the course

Post-Course Work: None

Course Policies:

Attendance Policy: IFSI requires students to attend (100%) or make up all course content that leads to certification. Students are expected to attend on time and to remain in class for the duration of the course. Students **MUST COMPLETE** all portions of a certification course, both classroom and practical, to be eligible to receive their certification.

If a student misses any portion of class with an accumulated absence of 20% or less of scheduled class time, it will be the student's responsibility to arrange the make-up of the missed course content with the instructor(s) or program manager. The student must make up the specific course content that s/he missed, not just the hours. Make-ups are limited to 20% of scheduled class time. Make-ups must be documented on the class roster. If a student's absence is greater than 20% refer to "True Emergencies" section of the IFSI Examination Policy.

Safety Policy: Students shall understand and follow all instructions pertaining to operational safety, as stated by instructors or as written in course materials. Instructors and students shall be mindful of safety at all times. Conduct judged to be unsafe shall be grounds for dismissal from the course.

Academic Integrity Policy: IFSI has the responsibility for maintaining academic integrity so as to protect the quality of the education provided through its courses, and to protect those who depend upon our integrity. It is the responsibility of the student to refrain from infractions of academic integrity, from conduct that may lead to suspicion of such infractions, and from conduct that aids others in such infractions. Any violation of the code of conduct is grounds for immediate dismissal from the course.

American Disabilities Act: As guaranteed in the Vocational Rehabilitation Act and in the American Disabilities Act, if any student needs special accommodations, they are to notify their instructor and provide documentation as soon as possible so arrangements can be made to provide for the student's needs. If arrangements cannot be made at the class site, the student will test at an alternative time and place where the special accommodations can be made.

Course Content:

Module: 1

Title: Safety Officer Role

Terminal Learning Objective:

At the conclusion of this module, the student will identify the roles and responsibilities of the Incident Safety Officer.

Module: 2

Title: Safety Concepts

Terminal Learning Objective:

At the conclusion of this module, the student will identify safety concepts and ways to identify risk.

Module: 3

Title: Laws, Regulations and Standards

Terminal Learning Objective:

At the conclusion of this module, the student will describe laws, regulations and standards that guide safety officers.

Module: 4

Title: Designing a Safety Officer Program

Terminal Learning Objective:

At the conclusion of this module, the student will describe the several ways to implement a safety program within their organization.

Module: 5

Title: Emergency Medical Response Safety

Terminal Learning Objective:

At the conclusion of this module, the student will identify the need for situational awareness and knowledge to safely operate at medical emergency scenes.

Module: 6

Title: Reading Personnel

Terminal Learning Objective:

At the conclusion of this module, the student will recognize the personnel aspects that must be considered by the Incident Safety Officer.

Module: 7

Title: Safety at Structure Fires

Terminal Learning Objective:

At the conclusion of this module, the student will identify environmental, operational conditions present at a structure fire that will assist in evaluating risks/hazards of suppression operations.

Module: 8

Title: Reading Buildings

Terminal Learning Objective:

At the conclusion of this module, the student will identify building construction and the risk factors brought on by changing fire conditions.

Module: 9

Title: Reading Smoke

Terminal Learning Objective:

At the conclusion of this module, the student will identify smoke conditions and risk factors at fire scenes.

Module: 10

Title: Reading Hazardous Energy

Terminal Learning Objective:

At the conclusion of this module, the student will identify methods used to determine the presence of potential hazardous energy sources at incidents.

Module: 11

Title: Reading Risk

Terminal Learning Objective:

At the conclusion of this module, the student will identify several risk management principles that would assist in protecting first responders while working at incidents.

Module: 12

Title: Hazardous Materials Incidents

Terminal Learning Objective:

At the conclusion of this module, the student will recognize the responsibilities of the Incident Safety Officer operating at incidents involving hazardous materials.

Module: 13

Title: Technical Rescue Incidents

Terminal Learning Objective:

At the conclusion of this module, the student will recognize the responsibilities of the Incident Safety Officer at technical and special operations incidents.

Module: 14

Title: Wildland Fires

Terminal Learning Objective:

At the conclusion of this module, the student will explain the differences and hazards of working at Wildland fires.

Module: 15

Title: Working with the Incident Commander

Terminal Learning Objective:

At the conclusion of this module, the student will identify ways to work with the incident commander as a part of the Incident Command System (ICS).

Module: 16

Title: Safe Vehicle Operations

Terminal Learning Objective:

At the conclusion of this module, the student will describe safe vehicle strategies when operating at emergency incidents.

Module: 17

Title: Emergency Vehicle Operator

Terminal Learning Objective:

At the conclusion of this module, the student will describe how to identify traffic hazards when driving safely while responding to emergencies.

Reference List:

National Fire Protection Association

NFPA 450	Guide for Emergency Medical Services and Systems
NFPA 472	Standard for Competence of Responders to Hazardous Materials
NFPA 473	Competencies for EMS Personnel Responding to Haz Mat/WMD Incident
NFPA 1002	Standard for Fire Apparatus Driver/Operator
NFPA 1006	Standard for Rescue Technician Professional Qualifications
NFPA 1021	Standard for Fire Officer Professional Qualifications
NFPA 1403	Standard for Live Fire Training Evolutions
NFPA 1500	Standard on Occupational Health and Safety Program
NFPA 1521	Standard for Fire Department Safety Officer
NFPA 1561	Standard for Incident Management System and Command Safety
NFPA 1581	Standard on Infection Control Program
NFPA 1710	Organization and Deployment of Fire Suppression, EMS and Special Operations to the Public by Career Fire Departments
NFPA 1999	Standards for Protective Clothing and Ensembles for EMS
NFPA 3000	Standard for Active Shooter Incidents

Occupational Safety and Health Administration

29 CFR 1910.120	Hazardous Waste Operations & Emergency Response
29 CFR 1910.134	Respiratory Protection
29 CFR 1910.146	Permit Required Confined Spaces
29 CFR 1910.147	The Control of Hazardous Energy
29 CFR 1910.1030	Blood Borne Pathogens
29 CFR 1910.1200	Hazard Communication
29 CFR 1910.1926	Excavations, Trenching Operations

Driving Safety Training, EVOC-101 Fire Course Training

Driving Safety Training, FleetDriver-101 Training

IFSI, Fire Service Vehicle Operator, Version 2.1, 2015

IFSTA, Pumping Apparatus Driver/Operator Handbook, 3rd Edition 2015

Illinois Secretary of State, Commercial Driver's License Study Guide, 2016

Jones and Bartlett Learning, Fire Apparatus Driver/Operator, 2nd Edition 2016

National Highway Traffic Safety Administration, Strategy for National EMS
Culture of Safety

USCG, Safety of Life on Navigable Waters, Title 33 Chapter 100 Sub-Chapter G

USFA, Emergency Vehicle Safety Initiative, FA-336

Volunteer Fireman's Insurance Services, Emergency Vehicle Driver Training,
2008 Edition

Course Schedule

DAY ONE

Event

Duration

Introductions & Course Overview
Module 1 – Safety Officer Role
Module 2 – Safety Concepts
Module 3 – Laws, Regulations, & Standards

30 min
1 hour
1 hour
1 hour

Lunch

Module 4 – Designing a Safety Officer Program
Module 5 – Emergency Medical Response Safety
Module 5 Activity 1 – Situational Awareness

1 hour
1 hour 30 min
1 hour 30 min

Day One Questions & Comments

30 min

DAY TWO

Event

Duration

Day One Review
Module 6 – Reading Personnel
Resiliency

30 min
1 hour 30 min
1 hour 30 min

Lunch

Module 7 – Safety at Structure Fires
Module 8 – Reading Buildings
Module 9 – Reading Smoke

1 hour
2 hours
1 hour

Day Two Questions & Comments

30 min

DAY THREE

<u>Event</u>	<u>Duration</u>
Day Two Review	30 min
Module 10 – Reading Hazardous Energy	1 hour
Module 11 – Reading Risk	45 min
Gordon Graham Video	30 min
Activity 2 – ERG Familiarization	45 min
Lunch	
Module 12 – Hazardous Materials Incidents	1 hour 30 min
Activity 3 – Finding Information	30 min
Module 13 – Technical Rescue Incidents	2 hours
Day Three Questions and Comments	30 min

DAY FOUR

<u>Event</u>	<u>Duration</u>
Day Three Review	30 min
Module 14 – Wildland Fires	1 hour
Module 15 – Working with the IC and ICS	2 hours
Lunch	
Activity 4 – Developing Operations Safety ICS 215/215A	1 hour
Activity 5 – Issuing a Safety Brief ICS Forms 208	1 hour
Module 16 – Safe Vehicle Operation	2 hours
Day Four Questions and Comments	30 min

DAY FIVE

Event

Duration

Day Four Review
Activity 6 – Scene Evaluating Reporting
Module 17 – Emergency Vehicle Operator

30 min
1 hour
2 hours

Lunch

Activity 7 – Accident Investigation
Course Overview
CEQ
Quiz
Course Questions and Comments

1 hour 30 min
1 hour
30 min
1 hour
30 min