

University of Illinois Fire Service Institute

Course Syllabus

Course Title: Essentials I

Course Duration: 16 hours

Program: Fire Fighting Program

Course Prerequisites: None

Course Description: Essentials I is the first installment in the Essentials Program. The Essentials Program is designed to introduce new and novice firefighters to essential skills in the fire service. Each level of the Essential Program, levels I, II, and III will introduce firefighters to skills that will build upon one another as participants progress through the program.

The Essentials Program is designed to meet the requirements of NFPA 1403 the Standard on Live Fire Training Evolutions and parallels the Illinois Fire Service Institute's Minimum Fire Fighter Training Guide. The scope of the Essential Program is to prepare personnel for supporting the station and exterior firefighting operations.

This Essentials I Course will immerse the firefighter in skills related to Orientation and Firefighter Safety, Personal Protective Equipment and Self-Contained Breathing Apparatus, Fire Department Apparatus, Hose and Fire Streams, Firefighting Tools and Equipment, Ground Ladders, Building Construction, and Fire Dynamics.

Course Requirements:

Pre-Course Work – None

Course Work – Attend and Participate in all classroom and practical sessions

Post-Course Work – Complete Online Course Evaluation Questionnaire

Course Policies:

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

Academic Integrity Policy: IFSI has the responsibility for maintaining academic integrity to protect the quality of the education provided through its courses, and

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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 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: Orientation and Firefighter Safety

Terminal Learning Objective:

At the conclusion of this module, the student will explain the structure of Fire Departments and the safe practices of a firefighter.

Module: 2

Title: PPE and SCBA

Terminal Learning Objective:

At the conclusion of this module, the student will use protective equipment.

Module: 3

Title: Fire Department Apparatus

Terminal Learning Objective:

At the conclusion of this module, the student will identify the various types of fire department apparatus.

Module: 4

Title: Hose and Fire Streams

Terminal Learning Objective:

At the conclusion of this module, the student will explain the features of fire hoses, water supply, and fire stream operation.

Module: 5

Title: Firefighting Tools and Equipment

Terminal Learning Objective:

At the conclusion of this module, the student will identify hand and power tools used in firefighting operations.

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Module: 6

Title: Ground Ladders

Terminal Learning Objective:

At the conclusion of this module, the student will explain proper procedures for utilizing fire service ladders.

Module: 7

Title: Building Construction

Terminal Learning Objective:

At the conclusion of this module, the student will identify how fire and heat affect structural components and materials used in building construction.

Module: 8

Title: Fire Dynamics

Terminal Learning Objective:

At the conclusion of this module, the student will consider fire behavior principles needed when forecasting fire growth to predict the likely consequences of various tactical options for controlling fire.

References: (listed in alphabetical order)

IFSTA Essentials of Firefighting, 7th Edition

NFPA 1001 Standard for Fire Fighter Professional Qualifications, 2019 Edition

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Course Schedule

<u>Event</u>	<u>Duration</u>
Module 1 Orientation and Firefighter Safety	
Classroom	30 Minutes
<i>Total Module Time 30 Minutes</i>	

<u>Event</u>	<u>Duration</u>
Module 2 PPE and SCBA	
Classroom	45 Minutes
Drill 2.1 Intro to PPE	1 Hour
Drill 2.2 Donning SCBA / Doffing	1 Hours
Drill 2.3 SCBA Bottle Changes	45 Minutes
<i>Total Module Time 3 Hours 30 Minutes</i>	

<u>Event</u>	<u>Duration</u>
Module 3 Fire Department Apparatus	
Classroom	30 Minutes
<i>Total Module Time 30 Minutes</i>	

<u>Event</u>	<u>Duration</u>
Module 4 Hose and Fire Streams	
Classroom	30 Minutes
Drill 4.1 – Hose Rolls	2 Hours

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Drill 4.2 – Coupling and Uncoupling	30 Minutes
Drill 4.3 – Preconnected Attack Lines – Flat, Triple Layer, Minuteman	45 minutes per Load based on AHJD
Drill 4.4 – Supply Hose – Flat, Accordion, Horseshoe	45 minutes per Load based on AHJD

Total Module Time 4 Hours 30 Minutes

<u>Event</u>	<u>Duration</u>
Module 5 Firefighting Tools and Equipment	
Classroom	30 Minutes

Total Module Time 30 Minutes

<u>Event</u>	<u>Duration</u>
Module 6 Ground Ladders	
Classroom	30 Minutes
Drill 6.1 – Ladder Carries	2 Hours
Drill 6.2 – Ladder Raises	2 Hours

Total Module Time 4 Hours 30 Minutes

<u>Event</u>	<u>Duration</u>
Module 7 Building Construction	
Classroom	1 Hour

Total Module Time 1 Hour

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Event

Duration

Module 8 Fire Dynamics

Classroom

1 Hour

Total Module Time 1 Hour

Essentials I Total Time 16 Hours
