

# Program of Instruction

## Course Syllabus

**Course Title:** Basic Engine Company Operations

**Course Duration:** 4-16 Hours

**Program:** Cornerstone

**Course Prerequisites:** None

**Course Description:** This Cornerstone version introduces students to the basic engine company operations. The class offers firefighters and Officers an opportunity to either sharpen their current skills, or learn new and efficient skills for the all-important task of getting water on the fire. This course includes a classroom component and can be customized to include numerous drills. These can include hose loads, establishing water supply advancing lines through a variety of objectives including stairways, ground level and basement deployment if available are skills vital to the engine company. The course also covers engine company responsibilities with regard to rescue and other tactical priorities are presented and practiced.

### **Course Policies:**

**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.

**Grading Policy:** Decisions regarding certificates of course completion shall be made solely by the lead instructor of the course. All grading of exams shall be conducted by qualified instructors. All grading of practical exercises shall be based upon the standards set by the regulatory agency referenced in the course material and IFSI.

## Course Content:

### Module 1: Basic Engine Company Operations

#### Terminal Learning Objectives:

At the conclusion of this module students will identify the core components of Engine Company Operations on the fire ground.

### Module 2: Water Supply & Master Streams

#### Terminal Learning Objective:

1. At the conclusion of this module students will identify core components of water supply and Master Streams.

## Course Schedule

<u>Event</u>	<u>Duration</u>
Module 1 – Basic Engine Operations Lecture	1 hour
Module 2 - Water Supply & Master Streams	1 hour
Drills – Hydrant Connections, Triple Layer, Flat Load	2 hours
Drills/Scenarios – Customized	4 to 12 hours
Advancing 1 $\frac{3}{4}$ attack lines to multiple floors	
Advancing 1 $\frac{3}{4}$ attack lines	
Advancing 2 $\frac{1}{2}$ attack lines	
Transitional attack	
Advancing Attack Lines with Search	
Single Family Dwelling	
Single Family with Extension	

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