



# Pennsylvania State Fire Academy

1150 Riverside Drive, Lewistown PA 17044



## Detailed Course Outline

Topic	Time	
	Classroom	Lab
Orientation	.25	
Firefighter Health and Safety	.5	.5
Fire Behavior	3	-
Fire Extinguishers	2	2.5
Firefighter Tools & Equipment	1	1.5
Written Evaluation	.75	
<b>Total Time: 12 Hours</b>		

### ■ Topic: Orientation

**Time:** .25 (Classroom)

**Content:**

- Course structure, expectations, and rules
- Course overview
- Roles of instructors and students

**Outcomes:** Students understand course purpose, layout, and conduct standards.

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### ■ Topic: Firefighter Health & Safety

**Time:** 1 hour (.5 Classroom / .5 Lab)

**Text Reference:**

- Fundamentals of Firefighter Skills: Ch. 14 (559-561)
- Fundamentals for Support Personnel: Chapter 2

**Topics:**

- Scene safety, utility hazards, and control

**Practical Skills:**

- Firefighter Safety Utility Control

**Outcomes:** Demonstrate safety protocols on-scene.

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### ■ Topic: Fire Behavior

**Time:** 3.0 (Classroom)

**Text Reference:**

- Fundamentals of Firefighter Skills: Chapter 5
- Fundamentals for Support Personnel: Chapter 5

**Topics:**

- Basic Chemistry and Combustion
- Fire Development and Heat Transfer
- Types and Classes of Fires
- Reading Smoke and Predicting Fire Behavior

**Outcomes:** Students will understand how fire behaves under various conditions by examining combustion chemistry, fire development, fire classifications, and smoke indicators to make informed, safe decisions during firefighting operations.

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## ■ Topic: Fire Extinguishers

**Time:** 4.5 (2.0 Classroom / 2.5 Lab)

**Text Reference:**

- Fundamentals of Firefighter Skills for Support Personnel: Chapter 6
- Fundamentals of Firefighter Skills (5th Ed.): Chapter 9

**Topics:**

- Purpose, Classification, and Rating of Fire Extinguishers
- Types of Extinguishers and Extinguishing Agents
- Selection, Placement, and Safe Operation
- Inspection, Maintenance, and Recharging Procedures

**Practical Skills:**

- Portable Fire Extinguishers

**Outcomes:** Students will be able to identify, select, operate, and maintain portable fire extinguishers based on fire classification, extinguisher type, and safety protocols.

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## ■ Topic: Firefighter Tools & Equipment

**Time:** 2.5 (1.0 Classroom / 1.5 Lab)

**Text Reference:**

- Fundamentals of Firefighter Skills for Support Personnel: Chapter 7
- Fundamentals of Firefighter Skills (5th Ed.): Ch.12 (pages 432-446) |

**Topics:**

- Ladders: purposes, types, components
- Inspection and maintenance of fire service ladders

**Practical Skills:**

- Fire Service Equipment- Ladders

**Outcomes:** Students identify and demonstrate inspection and maintenance procedure for fire service ladders

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## ■ Topic: Written Assessment

**Time:** .75

**Format:** 20-question multiple choice/true-false written test

**Requirement:** 70% to pass (maximum 3 attempts)

**Skill Sheets:** 100% complete

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