



Health, Safety and Environment

# Advanced Industrial Firefighting Techniques

# Course Introduction

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## Advanced Industrial Firefighting Techniques

The Advanced Firefighting training program, aims to provide participants with advanced knowledge and skills to effectively respond to complex fire incidents. This program combines theoretical instruction with practical hands-on exercises to enhance participants' abilities in managing challenging fire scenarios. With a focus on advanced firefighting techniques and strategies, this training program equips participants with the necessary tools to mitigate risks, protect lives, and minimize property damage.

## Target Audience

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- Professional firefighters seeking to enhance their skills and knowledge in advanced firefighting techniques.
- Emergency response personnel involved in fire incident management.
- Safety officers are responsible for fire prevention and response within their organizations.
- Industrial workers or supervisors may be required to respond to workplace fire incidents.
- Individuals interested in pursuing a career in firefighting or fire safety.

## Learning Objectives

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- Control firefighting operations
- Organize and train fire parties
- Inspect and service fire detection

- Inspect extinguishing systems and equipment
- Investigate and compile reports on incidents involving fire
- Know about emergency plans
- Know more about identification of fire hazards
- Know more about types of fire attacks
- Know the principles of fire safety and fire prevention
- Know about PPE
- Be more able to handle emergencies

## Course Outline

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- **DAY 01**

### **Introduction to Advanced Firefighting**

- Overview of the training program and its objectives
- Importance of advanced firefighting skills in complex fire incidents
- Understanding fire behavior and fire dynamics
- Case studies of past fire incidents and lessons learned

- **Day 02**

### **Advanced Firefighting Techniques and Equipment**

- Introduction to advanced firefighting equipment and tools
- Proper handling and maintenance of equipment
- Advanced fire suppression techniques, including foam application, ventilation strategies, and hydraulic ventilation
- Simulated exercises on equipment usage and techniques

- **Day 03**

### **Fire Incident Command and Leadership**

- Principles of incident command system (ICS) in fire incidents
- Roles and responsibilities of the incident commander
- Effective communication and coordination in firefighting operations
- Leadership skills and decision-making under high-pressure scenarios
- Practical exercises in managing fire incidents as a team leader

- **Day 04**

**Fire Prevention and Safety Protocols**

- Fire prevention strategies and risk assessment
- Identifying fire hazards in different environments
- Fire safety regulations and compliance
- Personal protective equipment (PPE) and its importance
- Fire safety inspections and emergency evacuation procedures

**• Day 05**

**Firefighting in Specialized Environments**

- Advanced firefighting techniques for specific environments (e.g., industrial facilities, confined spaces, high-rise buildings)
- Hazards associated with specialized environments
- Emergency response planning for unique scenarios
- Practical exercises and simulations in specialized firefighting techniques

**Confirmed Sessions**

FROM	TO	DURATION	FEES	LOCATION
May 12, 2025	May 16, 2025	5 days	4250.00 \$	UAE - Dubai
Sept. 1, 2025	Sept. 5, 2025	5 days	4950.00 \$	Switzerland - Zurich
Dec. 15, 2025	Dec. 19, 2025	5 days	4250.00 \$	UAE - Abu Dhabi