



Course Description

FFP2811 | Firefighting Tactics & Strategies 2 | 3.00 credits

This curriculum covers multiple company operations, logistics, strategy, use of mutual aid services, and operations at complex buildings. The course is intended for officers who may be in command of fires and other emergencies involving close coordination and maximum use of large amounts of personnel and equipment. Risk management planning and critical thinking skills are stressed. Prerequisite: FFP 1810

Course Competencies

Competency 1: The student will discuss fire protection; career opportunities in fire protection and related fields; philosophy and history of fire protection/service; fire loss analysis; organization, management, and function of public and private fire protection services; fire departments as part of local government; laws and regulations affecting the fire service; fire service nomenclature; specific fire protection functions; and introduction to fire strategy and tactics by:

1. Describing the common types of fire and emergency services facilities, equipment, and apparatus.
2. Comparing and contrasting effective management concepts for various emergency situations.

Competency 2: The student will Explore the theories and fundamentals of how and why fires start, spread, and how they are controlled by:

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Competency 3: The student will examine the organization and management of a fire department and the relationship of government agencies to the fire service by:

1. Describing methods of managing available resources.
2. Analyzing safety needs for both emergency and non-emergency situations.

Competency 4: The student will define risk evaluation and control procedures for fire stations, training sites, emergency vehicles, and emergency situations involving fire, EMS, hazardous materials, terrorism, and technical rescue by:

1. Identifying the concepts of risk identification and risk evaluation.
2. Describing the components of an effective response safety plan to include fire stations and emergency response vehicles.
3. Discussing the value of personal protective equipment.
4. Describe the components of an accountability system in emergency operations.
5. Describing the methods of controlling hazards associated with responding to EMS, hazmat, terrorism-related events, and technical rescue incidents.
6. Explaining the purpose and process for post-incident analysis.
7. Describing the components and value of critical incident stress management programs.
8. Describe the responsibilities of individual responders, supervisors, safety officers, incident commanders, safety program managers, safety committees, and fire department managers as they relate to health and safety programs.
9. Describing the responsibility of a safety officer as established within the Incident Command System (ICS).

Competency 5: The student will analyze the principles of fire control through utilization of personnel, equipment, and extinguishing agents on the fire ground by:

1. Identifying concepts for managing resources for expanding incidents.

Competency 6: The student will identify the fundamentals and technical knowledge needed for proper fire scene interpretations, including recognizing and conducting origin and cause, preservation of evidence and documentation, scene security, motives of the fire setter, and types of fire causes by:

1. Identifying the responsibilities of a firefighter when responding to the scene of a fire.
2. Describing how fire progression is affected by fire protection systems and building construction and design.

Competency 7: Comprehend basic chemistry relating to the categories of hazardous materials including problems of recognition, reactivity, and health encountered by firefighters by:

1. Explaining basic chemical and physical properties of gases, liquids, and solids, and how to predict the behavior of a substance under adverse conditions.
2. Describing the basic chemistry and hazards involved with the nine U.S. Department of Transportation hazard classes and their divisions.
3. Explaining how facility occupancy, transportation documents, shape and size of containers, and Safety Data Sheets (SDS) relate to recognizing the physical state and potential hazards of reactivity related to firefighter wellness and safety.
4. Demonstrating the ability to utilize guidebooks and determine an initial course of action for emergency responders.

Learning Outcomes:

1. Communication
2. Critical Thinking
3. Environmental Responsibility
4. Ethical Issues
5. Information Literacy
6. Social Responsibility