



*Training Course:
Certified Fire Protection Specialist*

*19 - 23 August 2024
Cape Town (South Africa)
DoubleTree by Hilton Cape Town - Upper Eastside*

Training Course: Certified Fire Protection Specialist

Training Course code: SC234771 From: 19 - 23 August 2024 Venue: Cape Town (South Africa) - DoubleTree by Hilton Cape Town - Upper Eastside Training Course Fees: 6545 € Euro

Introduction

Fire protection professionals are responsible for the safety of the public, their peers, and themselves, as well as the ongoing continuity of facilities in their community. Whether your field is fire service, engineering, building management, or insurance, CFPS® is a globally recognized designation. CFPS is the standard for fire protection credibility and competence in an ever-changing, crowded, and highly competitive global field.

This Certified Fire Protection Specialist Training Program is designed on the standards of the NFBA as a preparation for the CFPS exam.

Training Objectives and Path

The complete learning path includes:

- An introduction providing information about the certification program and eligibility requirements, the scope and structure of the NFPA Fire Protection Handbook, and a review of the tasks and responsibilities of a typical CFPS certified professional.
- A learning bundle based on the new 2020 CFPS Examination Content Outline with content designed to train students to meet the latest knowledge requirements of the CFPS certification
- A capstone summary module to help candidates apply the knowledge they have gained along the learning path
- A practice exam offering the flexibility to experience test questions in a variety of ways to prepare for the exam, including short practice tests, topic-based practice tests, and a full-length timed exam to simulate sitting for the actual CFPS exam

Target Audience

This training program is intended for:

Anyone involved in reducing fire loss, either physical or financial:

- Risk managers, loss control specialists, fire officers, fire marshals, fire inspectors, safety managers and fire protection consultants.
- Designers, engineers, code enforcers and facility managers.
- Others who have responsibilities dealing with the application of fire safety, protection, prevention, and suppression technologies.

Course Outlines

CFPS Introduction

Scenario 1 Objectives:

- Classify occupancy based on occupant characteristics according to NFPA 101®, Life Safety Code. ®

- Classify ratings for openings, doors, and windows.
- Identify means of egress requirements for a given occupancy.
- Identify best practices of detection and alarm systems.
- Classify occupancy hazards.
- Determine suppression systems best suited for IT fire protection and safety.

Scenario 2 Objectives:

- Describe the components involved in a fire hazard analysis FHA.
- Classify flammable and combustible liquids.
- Recall fire hazard aerosol classification characteristics.
- Assess good housekeeping practices for building care and maintenance.
- Use refrigerant safety group classifications to determine level of flammability and toxicity.
- Select the correct designation of materials-handling equipment given location and occupancy.
- Identify characteristics associated with the three categories of penetration sealing through-penetration firestop systems, perimeter fire containment systems, and joint systems.

Scenario 3 Objectives:

- Identify NFPA® documents associated with the procurement, inspection, and care of fire apparatus and equipment.
- Recall fire department apparatus, equipment, and their characteristics.
- Recall basic features associated with pre-incident planning process.
- Identify best practices for handling fire hazards on construction sites.
- Identify factors involved with water supply requirements for public water supply systems.
- Interpret tabular data to calculate fire flow.
- Identify occupant load factors when evaluating egress design.
- Identify features and characteristics of special hazards as they relate to the use of gaseous fire-extinguishing agents

Fire Science and Analysis

- Safety in the Built Environment and Information and Analysis for Fire Protection
- Basics of Fire and Fire Science

Human Behavior and Fire Rescue

- Human Behavior in Fire Emergencies
- Organizing Fire and Rescue Services

Confining Fire & Special Hazards

- Characteristics, Storage, and Handling of Materials and Products
- Special Equipment, Processes, and Facilities
- Confining Fires
- Energy Storage and Solar Systems Safety
- 2013 NFPA 654: Hazard Identification
- 2013 NFPA 654: Hazard Evaluation
- 2013 NFPA 654: Hazard Control

Fire Suppression

- Special Suppression Systems
- Introduction to 2019 NFPA 13 and Occupancy Hazard Classifications
- 2019 NFPA 13: Water Supplies and Underground Piping
- 2019 NFPA 13: System Basics and Design
- 2019 NFPA 13: System Components
- 2019 NFPA 13: Fire Sprinkler Installation Requirements
- 2019 NFPA 13: Fire Sprinkler Locations, System Design Approaches and Calculations
- 2019 NFPA 20: Stationary Fire Pumps - Evaluation and Planning
- 2019 NFPA 20: Stationary Fire Pumps - Sizing and Performance
- 2019 NFPA 20: Stationary Fire Pumps - Other Considerations Online Training
- 2019 NFPA 20: Stationary Fire Pumps - System Layout
- 2017 NFPA 25: Introduction to NFPA 25

Fire Alarm & Signaling

- 2019 NFPA 72®: Fire Alarm Basics
- 2019 NFPA 72®: Initiating Devices
- 2019 NFPA 72®: Notification Appliance
- 2019 NFPA 72®: Fire Alarm Circuits and Pathways
- 2019 NFPA 72®: Off-Premises Signaling
- 2019 NFPA 72®: Inspection, Testing, and Maintenance of Fire Alarm Systems

Life Safety & Fire Prevention

- 2018 NFPA 101®: Life Safety Code® Essentials General Requirements
- 2018 NFPA 101®: Life Safety Code® Essentials Egress Basics
- 2018 NFPA 101®: Life Safety Code® Essentials Egress Sizing and Arrangement
- 2018 NFPA 101®: Life Safety Code® Essentials Egress Visibility and Awareness
- 2018 NFPA 101®: Life Safety Code® Essentials Features of Fire Protection
- 2018 NFPA 101®: Life Safety Code® Essentials Building Rehabilitation
- 2018 NFPA 101®: Focus on Mercantile, Industrial, and Storage Occupancies
- 2018 NFPA 101®: Focus on Educational and Day-Care Occupancies
- 2018 NFPA 101®: Focus on Health Care, Ambulatory Health Care, and Board and Care Occupancies
- 2018 NFPA 101®: Focus on Residential and Detention and Correctional Occupancies
- 2018 NFPA 101®: Focus on Assembly Occupancies
- Building Services and Fire Prevention Practices

Registration form on the Training Course: Certified Fire Protection Specialist

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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

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- Please find enclosed a cheque made payable to Global Horizon
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