



CHUBB®

2020 Fire Protection Courses

With Live Fires
And Demonstrations

Chubb Global Learning Centre



At A Glance

Chubb Global Learning Centre offers a modular training series for fire protection. It provides a comprehensive understanding of property conservation methods; the latest codes, standards and regulations; and best practices for selecting, testing and maintaining fire protection systems.

Each module is either one or two days in duration. They can be taken individually or together. The cost of a one-day module is \$600 per person, on a minimum quorum of 10 per day. A 10% discount is offered when enrolling in multiple modules (3 or more). Chubb Policy Holders, Agents, Brokers and Educational Organizations, please call for pricing. Code enforcement officials and fire fighters are eligible to receive a 25% discount. Private classes can also be arranged; please call for pricing.

**Classes are held at the
Chubb Global Learning Centre
located at:
35 Columbia Rd, Branchburg, NJ 08876**

Module 1:

6.5 Continuing education units

Water supplies & sprinkler systems

Description: this one-day seminar is a mix of classroom and live demonstrations that review the various water supplies for fire protection systems including suction, pressure, gravity tanks, fire pumps, etc. The seminar reviews the various components of automatic sprinkler systems, as well as the wet pipe sprinkler system. Hands-on activities include water supply testing, analysis of test results, fire protection control valve inspection, and live fires with sprinkler activation. NFPA 25 testing requirements for wet pipe and control valves are reviewed and demonstrated.

Module 2:

6.5 Continuing education units

Dry pipe, deluge & pre-action sprinkler systems

Description: this one-day seminar is a mix of classroom and live demonstrations that review the components and operation of the dry, pre-action and deluge sprinkler systems. Fire detection systems will be reviewed, including how they interact with the pre-action and deluge systems. Hands-on activities include tripping and resetting the dry pipe, pre-action and deluge valves. NFPA 25 testing requirements for these systems are reviewed and demonstrated.

Module 3:

6.5 Continuing education units

Automatic fire pumps

Description: this one-day seminar is a mix of classroom and live demonstrations that review automatic fire pumps including drivers, controllers and various other components. Hands-on activities include annual fire pump test on the electric booster pump. Students will graph fire pump test data and learn how to evaluate fire pump performance. NFPA 25 testing requirements for fire pumps and controllers are reviewed and demonstrated.

Module 4:

13 Continuing education units

Maintaining water-based fire protection systems

Description: this two-day seminar is a mix of classroom and live demonstrations that review NFPA 25, including how to test various fire protection equipment to meet the NFPA standard. Live demonstrations include testing the wet, dry, pre-action, and deluge valves, and activating sprinklers via live fire. Students will learn to conduct annual fire pump tests and water supply testing, as well as graph and interpret fire pump test and water supply data.

Module 5:

6.5 Continuing education units

Fire detection & alarm systems

Description: this one-day seminar is a mix of classroom and live demonstrations that review fire detection and alarm systems. Initiating devices, control units, notification devices, and inspection & testing of NFPA 72 are discussed. Hands-on activities include fire detection demonstrations.

Module 6:

13 Continuing education units

Warehouse fire protection

Description: this two-day seminar is a mix of classroom and live demonstrations that review NFPA 13 regarding warehouse fire protection. Topics covered include sprinkler systems, common warehouse problems, general storage and rack storage sprinkler requirements, commodity classification, ESFR sprinklers, flammable & combustible liquid storage sprinkler requirements and fire doors. Hands-on activities include ESFR, ELO, large drop sprinkler activation and fire door drop testing demonstration.

Module 7:

13 Continuing education units

Sprinkler plan review

Description: this two-day seminar is a mix of classroom and live demonstrations that review NFPA 13 including evaluating and selecting NFPA standards, reading drawings and identifying components, approving system design, evaluating water supplies, and reviewing hydraulic calculations. A plan review workshop of sprinkler plans is included. Hands-on activities include water supply testing and overview of wet, dry, pre-action and deluge sprinkler systems demonstration.

Module 8:

6.5 Continuing education units

Standpipe systems

Description: this one-day seminar is a mix of classroom and live demonstrations that review standpipe systems. NFPA 14, IBC and NFPA 25 will be discussed, as well as installation and testing of standpipe systems. Hands-on activities include dry pipe trip testing and flow testing of standpipe valves as required by NFPA 14 and 25.

Hands-on experience

Participants are given an excellent opportunity to see live demonstrations and discuss the inspection, testing and maintenance requirements for water based fire protection systems.

This training series is an excellent program for:

- Architects
- Authorities having jurisdiction
- Facility and maintenance staff
- Fire department personnel
- Fire protection system contractors
- Loss control professionals
- Code enforcement officials

On-site equipment

- Enclosed sprinkler activation area
- 3 Wet pipe sprinkler riser
- 4 Dry pipe sprinkler risers
- 3 Interlocked pre-action sprinkler risers
- Deluge valve sprinkler riser
- Cycling on/off sprinkler riser
- Fire detection devices: infrared, ionization, photoelectric, thermal, ultraviolet, air sampling
- Indoor fire hydrants, dry and wet barrel
- Electrical & diesel horizontal booster pumps.
- Electrical vertical fire pump
- Playpipes
- Fire hoses
- Pitot gauges
- Rolling steel fire door
- 5 Standpipe valves

The following organizations have approved Chubb Global Learning Centre to provide CEU seminars: NJ Division of Fire Safety, NJ UCC, NYS Building Officials, CT Building Officials, and PA Building Officials. Courses may apply toward NICET and CSP recertification.

2020 Schedule

Fall

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|------|-----------------|---|
| 9/14 | Module 1 | Water Supplies & Sprinkler systems |
| 9/15 | Module 2 | Dry Pipe, Deluge & Pre-action Sprinkler systems |
| 9/16 | Module 3 | Automatic Fire Pumps |
| 9/17 | Module 5 | Fire Detection |
| 9/18 | Module 8 | Standpipe Systems |
| 9/22 | Module 4 | Part 1: Maintaining Water-Based fire protection systems |
| 9/23 | Module 4 | Part 2: Maintaining Water-Based fire protection systems |
| 9/24 | Module 6 | Part 1: Warehouse Fire Protection |
| 9/25 | Module 6 | Part 2: Warehouse Fire Protection |
| 9/28 | Module 7 | Part 1: Sprinkler Plan Review |
| 9/29 | Module 7 | Part 2: Sprinkler Plan Review |

For more information, contact:

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