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Teaches to – Advanced Exterior and Interior Structural levels of NFPA® 1081: *Standard for Industrial Fire Brigade Member Professional Qualifications*.

Make the most of precious training time and prepare students for hands-on training with specialized demonstrations of the knowledge and skills required to fight industrial emergencies before they become industrial disasters.

We recommend the IFSTA manual *Industrial Exterior and Structural Fire Brigades* as a teaching companion to this series.

Course Format:

- Online Interactive Video Based Course
- Online Streaming Video
- DVD

Additional Materials:

- Instructor Guide with PowerPoint®
- IFSTA Industrial Manuals

TRT refers to the length of the video content

Course Titles & Training Objectives

1 - Personal Protective Equipment

TRT – 21:12

Describes heat-resistant work uniforms and safety shoes, the elements of personal protective clothing for fire fighting and their protection from hazards. Shows special clothing situations plus organization and brigade member responsibilities for the care and maintenance of turnout gear.

1. Describe brigade member work uniforms and safety shoes
2. Describe head and eye-protection
3. Show protective coats and pants
4. Show protective gloves and boots
5. Distinguish special clothing situations
6. Describe requirements for care and maintenance of turnout gear

2 - SCBA TRT – 25:52

Identifies the main components of self-contained breathing apparatus. Demonstrates donning and doffing methods, how to change cylinders and SCBA safety and emergency procedures.

1. Identify two types of SCBA and the main components of positive-pressure SCBA
2. Demonstrate how to don SCBA from storage
3. Demonstrate how to don the SCBA facepiece
4. Demonstrate SCBA doffing procedures
5. Demonstrate methods for changing cylinders
6. Describe SCBA safety precautions and emergency procedures
7. Describe the limitations of positive-pressure SCBA

3 - Access & Forcible Entry TRT – 18:21

Demonstrates the special tools and techniques used to access areas in emergencies when entry is not possible by normal means. Shows types of forcible entry tools as well as their uses, through-the-lock forcible entry along with forcible entry on swinging doors, padlocks and fences.

1. Identify types of forcible entry tools and how they are used
2. Present techniques for through-the-lock forcible entry
3. Describe forcible entry techniques for swinging doors
4. Show tools and techniques for forcing padlocks
5. Present forcible entry techniques for fences and how to access restricted areas

4 - Search & Rescue TRT – 24:36

Reviews general search safety and demonstrates primary and secondary search techniques. Shows various types of dangerous building conditions and the signs of imminent building collapse. Shows methods for moving injured victims, how to survive entrapment or disorientation and methods for rescuing downed or missing fire brigade members.

1. Describe considerations in search safety
2. Demonstrate how to conduct primary searches
3. Present procedures for secondary searches
4. Describe dangerous building conditions
5. Demonstrate methods for moving injured victims
6. Describe methods for surviving disorientation or entrapment
7. Describe how to rescue trapped or disoriented brigade members

5 - Ladders TRT – 22:47

Shows the parts of fire service ground ladders, demonstrates ladder selection, handling techniques and correct ladder placement to meet specific objectives. Shows ladder raises for one, two and three fire brigade members, methods for securing ladders and how to safely climb and work from ladders.

1. Present the basic parts of fire service ground ladders
2. Show methods for selecting and handling ladders
3. Demonstrate ladder carries
4. Demonstrate how to position ladders
5. Present factors that affect ladder placement
6. Demonstrate one-person ladder raises
7. Demonstrate two- and three-person ladder raises
8. Show methods for securing ladders
9. Demonstrate how to climb and work safely from ladders

6 - Industrial Water Supply TRT – 20:00

Provides an overview of industrial water supply systems, including the basic components of water supply, distribution systems, valves, hydrants, booster and fire pumps along with alternative water supplies.

1. Present the components of modern water systems
2. Describe the parts of water distribution systems
3. Describe valves in water distribution systems
4. Show the operation of two types of hydrants
5. Show booster and fire pumps used in water supply
6. Describe alternative water supplies

7 - Handling Hoselines TRT – 17:42

Presents methods for handling and operating hoselines for fire attack including pulling and carrying preconnected hose. Demonstrates shoulder loading and advancing hose, wyed lines and the working line drag. Shows advancing hose in a structure, in stairways and from a standpipe.

1. Present methods for pulling and carrying preconnected hose
2. Demonstrate techniques for shoulder loading and advancing hose
3. Show how to advance wyed lines and the working line drag
4. Present procedures for advancing hose in a structure
5. Show methods for advancing hose in stairways
6. Demonstrate how to advance hose from a standpipe
7. Demonstrate methods for operating large attack lines with three fire brigade members

8 - Foam Operations TRT – 23:06

Presents the science of foam and how it works to suppress and extinguish fires. Shows how foam is generated with foam proportioning devices, nozzles and other foam delivery devices. Describes foam types and shows how to assemble a foam fire stream. Demonstrates three foam application techniques on a large Class B fire.

1. Describe how foam works
2. Show how foam is generated
3. Demonstrate foam proportioning devices
4. Demonstrate nozzles and other foam delivery devices
5. Describe foam types
6. Demonstrate foam fire stream assembly
7. Demonstrate foam application techniques on a large Class B fire

9 - Industrial Fire Control TRT – 23:00

Shows how to control a variety of fires and covers general concerns for operating fixed fire suppression systems, as well as offensive and defensive strategies. Demonstrates methods of water application, suppressing Class A, Class B and Class C fires and fires in upper levels of structures.

1. Discuss factors in operating fixed fire suppression systems
2. Present offensive strategies for fire control
3. Present defensive strategies for fire control
4. Demonstrate procedures for suppressing structural Class A fires
5. Demonstrate methods of water application
6. Show methods for suppressing Class B fires
7. Present methods for suppressing Class C fires
8. Show methods for suppressing fires in upper levels of structures

10 - Tank Hazard Control TRT – 24:20

Shows various types of tank hazards as well as the equipment, strategies and techniques industrial fire brigades use for controlling these emergencies.

1. Show types of atmospheric storage tanks
2. Show pressure tanks
3. Present equipment and methods to control fires in floating roof tanks
4. Discuss tank fire suppression strategies
5. Demonstrate tank fire suppression methods
6. Show large-flow devices used to suppress tank fires
7. Demonstrate methods for vapor control
8. Show procedures for gas emergencies
9. Discuss methods for controlling flammable gas leaks

11 - Ventilation Procedures TRT – 24:23

Shows the benefits and the hazards of ventilation, safety precautions during ventilation operations, horizontal and vertical ventilation, positive pressure and negative pressure ventilation, and ventilation in multistory structures.

1. Describe the benefits of ventilation
2. Describe ventilation hazards and safety precautions
3. Present vertical ventilation techniques
4. Present horizontal ventilation techniques
5. Demonstrate three types of forced ventilation
6. Describe ventilation for multistory structures
7. Demonstrate opening a flat roof with a power saw

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NFPA Standards Matrix

Industrial Fire Brigades: Exterior & Structural

NFPA 1081:
Standard for Industrial Fire Brigade Member Professional Qualifications

Vol. #	Industrial Fire Brigades: Exterior & Structural Title	Teaches to NFPA Objective
201	Personal Protective Equipment	**1081**-6.2.1, 6.3.10, 7.1.2.1, 7.3.7
202	SCBA	**1081**-6.2.2, 6.2.4, 6.2.8, 6.3.10, 7.1.2.2, 7.2.5, 7.2.8, 7.3.7
203	Access & Forcible Entry	**1081**-6.3.2, 6.3.10, 7.2.2, 7.3.7
204	Search & Rescue	**1081**-6.2.4, 6.2.8, 6.2.9, 7.2.5, 7.2.8, 7.2.10
205	Ladders	**1081**-6.3.10, 6.3.11, 7.3.7, 7.3.8
206	Industrial Water Supply	**1081**-6.1.2.1, 6.2.7, 7.1.2.3, 7.2.6
207	Handling Hoselines	**1081**-6.2.3, 6.2.7, 6.3.10, 7.2.1, 7.2.6, 7.3.7
208	Foam Operations	**1081**-6.3.4, 6.3.10, 7.3.4, 7.3.7
209	Industrial Fire Control	**1081**-6.2.3, 6.3.4, 6.3.5, 6.3.6, 6.3.8, 6.3.9, 7.2.1, 7.3.2, 7.3.4, 7.3.5, 7.3.6, 7.3.11
210	Tank Hazard Control	**1081**-6.1.2.1, 6.2.3, 6.3.3, 6.3.4, 6.3.5, 6.3.8, 6.3.10, 7.1.2.3, 7.3.2, 7.3.3, 7.3.4, 7.3.5, 7.3.7
211	Ventilation Procedures	**1081**-7.2.3

Click here to visit our webpage with sample video clips for this series.