

Maine Interior Structural Firefighter Minimum Requirements

1	History and Orientation
2	Firefighter Qualifications and Safety (SCBA)
3	Fire Service Communications
4	Incident Management System
5	Fire Behavior
6	Portable Fire Extinguishers
7	Firefighter Tools and Equipment
8	Response and Size Up
9	Forcible Entry
10	Ladders
11	Search and Rescue
12	Ventilation
13	Water Supply
14	Hose, Nozzles, Streams, and Foam
15	Firefighter Survival
16	Salvage and Overhaul
17	Firefighter Rehabilitation
18	Fire Suppression

EXISTING MOD's

MODs	New Chapters
Mod 1	1,2,3,5, 7,
Mod 2	12
Mod 3	11
Mod 4	13,15
Mod 5	7,9,10,13,16,17,19
Mod 6	17
Mod 7	16, 18

Maine Interior Structural Firefighter Minimum Requirements

1. The History and Orientation of the Fire Service

- a. History of the Fire Service
 - i. Fire equipment
 - ii. Communications
 - iii. Building Codes
 - iv. Training and Education
- b. The Organization of the Fire Service
 - i. Source of Authority
 - ii. Basic Principles of the Organization
 - iii. Chain of Command (Incident Command)
- c. Roles within the Department
 - i. General Roles
 - ii. Specialized Response Roles
- d. Regulations, Policies, and Standard Operating Procedures (Guidelines)
- e. Working with other Organizations
- f. Fire Fighter Guidelines

2. Firefighter Qualifications and Safety

- a. Firefighter Qualifications
- b. Firefighter Safety
 - i. Causes of Firefighter Deaths and Injuries
 - ii. Injury Prevention
 - iii. Standards and Procedures
 - iv. Personnel
 - v. Training
 - vi. Equipment
- c. Safety and Health
 - i. Safety During Training
 - ii. Safety During Emergency Response
 - iii. Safety During Emergency Incidents
 - iv. Safety at the Fire Station
 - v. Safety Outside your Workplace
- d. Personal Protective Equipment
 - i. Structural Firefighting Ensemble
 - ii. Donning Personal Protective Clothing
 - iii. Doffing Personal Protective Clothing
 - iv. Care of Personal Protective Clothing
 - v. Specialized Protective Clothing
 - vi. Respiratory Protection

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3. Fire Service Communications

- a. Communications Center
- b. Radio Systems
 - i. Radio Equipment
 - ii. Required Coding Procedures
 - iii. Using the Radio
- c. Records and Reporting

4. Incident Management System

- a. Characteristics of the Incident Management System
- b. The IMS (NIMS) Organization
- c. Standard IMS Concepts
- d. Implementing ICS
- e. Working within the Incident Management System

5. Fire Behavior

- a. Units of Measure
- b. Fire Triangle and Tetrahedron
 - i. Methods of Extinguishment
 - ii. Fuel
 - iii. Oxygen and Oxidizing Agents
 - iv. Heat
 - v. Mechanical Chain Reaction
- c. Chemistry of Combustion
- d. Products of Combustion
 - i. Smoke Particles
 - ii. Liquids
 - iii. Gases
- e. Characteristics of Liquid Fuel Fires
- f. Characteristics of Gas Fuel Fires
 - i. Vapor Density
 - ii. Flammable Limits
 - iii. Boiling Point, Expanding Vapor Explosion (BLEVE)
- g. Classes of Fires
 - i. Class A
 - ii. Class B
 - iii. Class C
 - iv. Class D
 - v. Class K

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- h. Phases of Fire
 - i. Ignition Phase
 - ii. Growth Phase
 - iii. Flashover Phase
 - iv. Fully Developed Phase
 - v. Decay Phase
- i. Characteristics of an Interior Fire
 - i. Room Contents
 - ii. Fuel Load and Fire Spread
 - iii. Special Considerations in Structural Fires

6. Portable Fire Extinguishers

- a. Purposes of Fire Extinguishers
 - i. Incipient Fires
 - ii. Special Extinguishing Agents
- b. Classes of Fires
 - i. Class A
 - ii. Class B
 - iii. Class C
 - iv. Class D
 - v. Class K
- c. Classification of Extinguishers
- d. Labeling of Extinguishers
 - i. Lettering Systems
 - ii. Pictograph Labeling System
- e. Types of Extinguishers
 - i. Water
 - ii. Dry Chemical
 - iii. Carbon Dioxide
 - iv. Foam
 - v. Halogenated Agents
 - vi. Dry Powder
- f. Fire Extinguisher Design
- g. Fire Extinguisher Characteristics
- h. Use of Fire Extinguishers
 - i. Selecting the Proper Extinguisher
 - ii. Transporting the Extinguisher
 - iii. Operation
 - iv. Personal Safety
- i. Care of Fire Extinguishers
 - i. Inspection
 - ii. Maintenance

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7. Firefighter Tools and Equipment

- a. General Considerations
 - i. Safety
 - ii. Conditions of Use / Operating Conditions
 - iii. Effective Use
- b. Functions
 - i. Rotating Tools
 - ii. Pushing/Pulling Tools
 - iii. Prying/Spreading Tools
 - iv. Striking Tools
 - v. Cutting Tools
 - vi. Multiple Function Tools
 - vii. Special Use Tools
- c. Phases of Use
 - i. Response/Size-Up
 - ii. Forcible Entry
 - iii. Interior Firefighting Tools and Equipment
 - iv. Overhaul Tools and Equipment
- d. Tool Staging
- e. Maintenance
 - i. Cleaning and Inspection

8. Response and Size-Up

- a. Response
 - i. Alarm Receipt
 - ii. Riding the Apparatus
 - iii. Emergency Response
 - iv. Prohibited Practices
 - v. Dismounting a Stopped Apparatus
 - vi. Traffic Safety on the Scene
- b. Arrival at the Incident Scene
 - i. Personnel Accountability System
 - ii. Controlling Utilities
- c. Size-Up
 - i. Managing Information
 - ii. Probabilities
 - iii. Resources
- d. Incident Action Plan
 - i. Rescue
 - ii. Exposure Protection
 - iii. Confinement
 - iv. Extinguishment

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- v. Salvage and Overhaul

9. Forcible Entry

- a. Forcible Entry Situations
- b. Forcible Entry Tools
 - i. General Tool Safety
 - ii. Carrying Tips
 - iii. Maintenance Tips
- c. Doors
- d. Windows
- e. Locks
- f. Breaching Walls and Floors
- g. Forcible Entry and Salvage

10. Ladders

- a. Functions of Ladders
 - i. Secondary Functions of Ladders
- b. Ladder Construction
- c. Types of Ladders
- d. Inspection, Maintenance
- e. Cleaning
- f. Ladder Safety
 - i. General safety Requirements
 - ii. Lifting and Moving Ladders
 - iii. Placement of Ground Ladders
 - iv. Working on a Ladder
 - v. Rescue
 - vi. Ladder Damage
- g. Using Portable Ladders
 - i. Ladder Selection
 - ii. Removing the Ladder from the Apparatus
 - iii. Lifting Ladders
 - iv. Carrying
 - v. Placing the ladder Raising the Ladder
 - vi. Securing the Ladder

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- vii. Dismounting the Ladder
- viii. Working from a Ladder

11. Search and Rescue

- a. Search and Rescue
 - i. Coordinating Search and Rescue With Fire Suppression
 - ii. Search and Rescue Size-Up
 - iii. Search Coordination
 - iv. Search Priorities
- b. Search Techniques
 - i. Primary Search
 - ii. Secondary Search
- c. Search Safety
 - i. Safety and Health
 - ii. Search and rescue Equipment
 - iii. Methods to Determine if a Area is Tenable
- d. Rescue Techniques
 - i. Shelter in Place
 - ii. Exit Assist
 - iii. Simple Victim Carries
 - iv. Emergency Drags
 - v. Assisting a Person Down a Ground Ladder
 - vi. Removal of Victims by Ladders

12. Ventilation

- a. Benefits of Proper Ventilation
- b. Factors Effecting Ventilation
 - i. Convection
 - ii. Mechanical Ventilation
 - iii. Wind and Atmospheric Considerations
- c. Building Construction Considerations
 - i. Fire Resistive Construction
 - ii. Ordinary Construction
 - iii. Wood Frame Construction
- d. Tactical Priorities
 - i. Venting for Life Safety
 - ii. Venting for Fire Containment
 - iii. Venting for Property Conservation
- e. Location and Extent of Smoke and Fire Conditions
- f. Types of Ventilation
- g. Horizontal Ventilation
- h. Vertical Ventilation

Maine Interior Structural Firefighter Minimum Requirements

- i. Safety Considerations
- ii. Basic indicators of Roof Collapse
- iii. Roof Construction
- iv. Roof Designs
- i. Vertical Ventilation Techniques
 - i. Roof Ventilation
 - ii. Tools used in Roof Ventilation
 - iii. Types of Roof Cuts
- j. Special Considerations
 - i. Venting a Concrete Roof
 - ii. Venting a Metal Roof
 - iii. Venting a Basement
 - iv. High-Rise Buildings
 - v. Windowless Buildings
 - vi. Large Buildings
- k. Backdraft and Flashover Considerations
 - i. Backdraft
 - ii. Flashover

13. Water Supply

- a. Municipal Water Supply
 - i. Water Sources
 - ii. Water Treatment Facilities
 - iii. Water Distribution System
- b. Fire Hydrants
- c. Rural Fire Supplies
 - i. Static Sources of Water
 - ii. Mobile Water Supply Apparatus
 - iii. Portable Tanks
 - iv. Tanker Shuttles

14. Fire Hose, Nozzles, Streams, and Foam

- a. Fire hydrants
- b. Fire Hoses
- c. Hose Care, Maintenance, and Inspection
- d. Hose Appliances
- e. Hose Rolls
- f. Fire Hose Evolutions
- g. Nozzles
- h. Foam

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15. Firefighter Survival

- a. Introduction
- b. Safe Operating Procedures
 - i. Team Integrity
 - ii. Personnel Accountability System
 - iii. Emergency Communications Procedures
 - iv. Rapid Intervention Company (crew) (RIC)
- c. Firefighter Survival Procedures
 - i. Maintaining Orientation
 - ii. Self-Rescue
 - iii. Safe Havens
- d. Air Management
- e. Rehabilitation
- f. Critical Incident Stress

16. Salvage and Overhaul

- a. Salvage
 - i. Safety Considerations During Salvage Operations
 - ii. Salvage Tools
 - iii. Limiting Smoke and Heat Damage
 - iv. Preventing Water Damage
- b. Overhaul
 - i. Safety Considerations During Overhaul
 - ii. Coordinating Overhaul with Fire Investigators
 - iii. Where to Overhaul
 - iv. Overhaul Techniques
- c. Lighting
 - i. Battery Powered Lights
 - ii. Electrical Generators
 - iii. Safety Principals and Practices
 - iv. Lighting Equipment
 - v. Lighting Methods
 - vi. Cleaning and maintenance

17. Firefighter Rehabilitation

- a. Factors, Cause, Need for Rehabilitation
 - i. Personal Protection Equipment
 - ii. Dehydration
 - iii. Energy Consumption
 - iv. Tolerance for Stress

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- v. The Body's Need for Rehabilitation
- b. Types of Incidents Affecting Firefighters
 - i. Rehabilitation
 - ii. Extended Fire Incidents
 - iii. Other Types of Incidents Requiring Rehabilitation
- c. How Does Rehabilitation Work?
 - i. Physical Assessment
 - ii. Revitalization
 - iii. Medical Evaluation and Treatment
 - iv. Monitoring of Vital Signs
 - v. Transportation to a Hospital
 - vi. Critical Incident Stress
 - vii. Reassignment
- d. Personal Responsibility in Rehabilitation

18. Fire Suppression

- a. Offensive versus Defensive Operations
 - i. Command Considerations
- b. Operating Hose Lines
 - i. Fire Streams
 - ii. Interior Fire Attack
 - iii. Large Hand Lines
 - iv. Master Stream Devices
- c. Protecting Exposures
- d. Vehicle Fires
 - i. Attacking Vehicle Fires
- e. Flammable Liquid Fires
 - i. Hazards
 - ii. Suppression
- f. Flammable Gas Cylinders
 - i. Propane Gas
 - ii. Propane Hazards
- g. Fire Involving Electricity
 - i. Suppression