



MFSI Fire Training Course Catalog



Develop Your Path to Success and Recognition



- ◆ Fire Fighter I
- ◆ Fire Fighter II
- ◆ Fire Instructor I
- ◆ Fire Instructor II
- ◆ Fire Officer I
- ◆ Fire Officer II
- ◆ Upgrade Program

Specialty Fire Training Programs



- ◆ Basic Pump Operator
- ◆ Basic Fire School
- ◆ Hazardous Materials Operations

National Fire Academy Courses



- ◆ Incident Safety Officer
- ◆ Leadership Series I, II & III
- ◆ Preparation for Initial Company Operations

Requesting a training course is easy and it's free! For more information

Visit www.MaineFSI.org or call 207.844.2070.

What course would you like MFSI to produce at your fire station?

1. Review the course catalog to choose the name of the training course
2. Training course and equipment requests must be made by the fire chief or the fire department training officer.
3. All training and equipment requests must be made by utilizing the “Request for Services” link found on the website www.MaineFSI.org
4. Complete all the fields on the Request Form. Do not use any dashes or periods in the block requiring contact phone numbers.
5. Use the drop down arrow in the “OPTIONS” block to select a category.
6. Use the “Request Comments” block to provide other pertinent information such as the anticipated date that starting the training or need equipment. If equipment is to be delivered to a fire department - is a representative available to assist with the placement?
7. If you experience problems with the Request Form you can contact either Training Program Managers to request assistance.

Contact Us

Auto attendant office at MFSI Brunswick Landing: 207.844.2070

Frank Hammond 207.852.8286 Fhammond@smccME.edu

Walter Morris 207.205.2762 Wmorris@smccME.edu

Online at: www.MaineFSI.org

Location

All courses in this catalog are available through MFSI free to the fire department and its firefighters. Registration fees are only required for expenses such as text books, lodging or meals when required.

MFSI reserves the right to limit the number of firefighters authorized to attend any training program it organizes based on safety ratios.

The offices of Maine Fire Service Institute are located on Southern Maine Community College - Midcoast Campus at Brunswick Landing.

MFSI / SMCC
19 Sewall Street
Brunswick Landing
Brunswick, ME 04011

“Partnership to Develop Firefighting Skills”

by Bill Guindon, Director of Maine Fire Service Institute.

Maine Fire Service Institute is a department within Southern Maine Community College that does not have a classroom on any college campus. In fact, some of the classrooms may be located on the back of fire apparatus in remote areas of the state. Since the mid 1950's Maine Fire Service Institute has served as the primary organization dedicated to training volunteer and paid firefighters throughout the state of Maine. On any given day one of a nearly 100 contract instructors supported by 9 full time staff provide fire training in a classroom fire station or outdoor training site somewhere in the state. The Maine Fire Service Institutes office is located at the Southern Maine Community College Midcoast Campus in Brunswick.

“What is the difference between the Maine Fire Service Institute and the SMCC Fire Science Department?”

The Maine Fire Service Institute and the Fire Science Division are separate but compatible departments at Southern Maine Community College. Maine Fire Service Institute primarily serves through a statewide field training system using a hands-on delivery and the Fire Science Department is Academic in nature often using a traditional classroom approach.

The SMCC Fire Science Department serves as the Academic component to educate future and current firefighters in technical and management areas such as chemistry, leadership, hydraulics and fire prevention.

“How are Maine Fire Service Institute Courses offered?”

The Maine Fire Service Institute has a mission to assist in the development of skills and abilities in support of Maine's Fire service at the local, regional, and State level in collaboration with the fire chiefs of Maine. Through partnerships Maine Fire Service Institute staff and Instructors work to provide training to the fire community from fire fighter thru the rank of fire chief. As part of our partnership 18 Trailers with props are used to support local fire training efforts. Applying nationally recognized curriculums Maine Fire Service Institute assists fire chiefs to ensure firefighter safety and compliance in training according to state and national standards.

The Maine Fire Service Institute provides training to firefighters at the request of the local fire department chief or training officer. Most courses are offered in 4, 8, 16 or 20 hour blocks. In a typical year average of 2000 to 3000 firefighters are trained throughout the state often without having to leave their own community.

“What types of Courses are offered by Maine Fire Service Institute?”

Maine Fire Service Institute offers courses on Basic Firefighter, Firefighter I and II, Fire Instructor I and II, Fire Officer I and II EVOC and Hazardous Materials.

“Does Maine Fire Service Institute offer any National Fire Academy Courses?”

As the state fire training agency Maine Fire Service Institute serves as an extension and point of contact for the National Fire Academy located in Emmittsburg, Maryland. On an annual basis Maine Fire Service Institute is provided opportunities to host nationally recognized National Fire Academy courses at various locations throughout the state of Maine.

“Does Maine Fire Service Institute offer college credit to firefighters?”

Maine Fire Service Institute serves as the certifying body for firefighters in the state of Maine. Interested firefighters have the opportunity to validate training through testing to nationally accredited standards by the Fire Service National Professional Qualification Board. Upon successful completion of certification testing at Firefighter I and II, Fire Instructor I and II or Fire Officer I and II transferable college credit is awarded to firefighters.

For more Information on Maine Fire Service Institute please contact us at 207-844-2070 or look at our website www.MaineFSI.org





Course Code

Course Description

MFTE-803

Block I General Knowledge (16 hours) 12 minimum 24 max
Chapter 1 History, Chapter 3 Fire Service Communications, Chapter 4 Incident Command System & Chapter 5 Fire Behavior

The foundation for the knowledge, skills and abilities required by a recruit fire fighter candidate are provided by the first block of the Fundamentals of Fire Fighter Skills. The recruit will learn the historical significance and evolution of fire fighting focusing on technology, progression along with the hazards that fire fighters may face at an emergency.

Communications is the medium that all fire fighters are expected to utilize *in every emergency* situation. To prepare the recruit there will be exercises to receive information, record the information, and ask for more information to insure a correct emergency response and then communicate the information to activate an alarm.

The Incident Command System is expected to be followed by every member of the of the fire service and should be utilized as a means to manage all aspects of fire department operations including; training, inspections, maintenance and response to emergencies. The Incident Command System will assist with control of personnel, resources, strategy and tactics implemented. Recruits must learn to use the ICS and gain an understanding of their position within the organizational structure in order to operate within the confines of the system to conduct safe operations.

The chemistry of fire dictates the way & means the fire will progress in a structure and the recruits must gain an understanding of the how the fire will behave when they encounter an uncontrolled fire inside a building.

MFTE-804

Block 2 Response (16 hours) 12 minimum 24 max
Chapter 2 FF Qualification & Safety, 10 Response Size-Up, 17 FF Survival, 19 FF Rehabilitation

Recruits will learn that fire fighter safety is recognized as the number one priority of each and every member of the fire department. Each year over 100 fire fighters are killed in the line of duty. Review of statistics and incidents will be conducted in efforts to reduce the annual death and injury results to fire fighters. The use of Self contained Breathing Apparatus (SCBA) by all fire fighters is required whenever and wherever they encounter an Immediately Dangerous to Life and Health (IDLH) atmosphere. Recruits will practice donning the SCBA to ensure that it can be operational in one minute or less.

Recruits will practice safe methods to respond to an emergency. Students will learn how to manage receipt of information in person, over the phone, over the radio and process this information to prepare to deal with the emergency. When an emergency alarm is transmitted and received the recruits must be able to safely prepare for response, what they will do on arrival at the emergency, conduct a size-up of the situation and construct an Incident Action Plan.

At every emergency it is vital for each recruit to understand the necessity of their actions as a member of their company is dictated by the Incident Action Plan and the risk - benefit of the actions to be taken. Team integrity is essential for all operations to be conducted safely; recruits must work in teams remaining in visual & verbal contact with each other when in hazardous environments. Management of the SCBA air supply is required and will be practiced.



Course Code

Course Description

MFTE-805

Block 3 Fundamentals of Fire Fighting (16 hours) 12 minimum 24 max
Chapter 7 Portable Fire Extinguishers, Chapter 8 Fire Fighting Tools & Equipment, Chapter 9 Ropes & Knots

Recruits will learn the classes of fires and the classification of fire extinguishers to use when fighting fires. The chemistry of fire is reviewed again in this block of training to gain an understanding of the methods of extinguishment. Recruits will conduct live fire training choosing the correct extinguishing agent to combat the fires encountered.

Fire fighting tools and equipment are available in many forms. Not every fire department carries the same tools but most are universal and most of the specialized tools and equipment will be found on the aerial ladder trucks or the heavy rescue apparatus. All types of tools will be reviewed, discussed and used by the recruits in this block of training.

Each recruit will be taught how to tie a series of knots that will be used based on the situation encountered. The types of rope, materials, construction, associated hardware and maintenance will be learned as part of this block of training.

MFTE-806

Block 4 Initial Attack Skills (16 hours) 12 minimum 24 max
Chapter 11 Forcible Entry & Chapter 12 Ladders

Forcible entry training begins with a review of building construction to understand the best way and means to gain entry to a structure through doors, windows, locks and walls. Use of tools and safety is reinforced.

Ladders provide entry and exit points for fire fighters. The deployment of ladders is essential to both the occupants of the structure and the fire fighters who will be operating in the hostile conditions. Recruits will learn how ladders are constructed, how to inspect, maintain, clean and service them. Ladder safety is paramount whenever they are removed from the apparatus. Selecting the correct ladder, removing from the apparatus, carrying, placing, raising, securing, climbing, dismounting and working from a ladder will require multiple drills on a regular basis to become proficient in laddering skills.

MFTE-807

Block 5 Tactical Support Skills (16 hours) 12 minimum 24 max
Chapter 13 Search & Rescue, Chapter 14 Ventilation

Recruits will be challenged to conduct primary and secondary searches of structures wearing full fire fighting turnout bunker gear with SCBA. They will apply risk management techniques in accordance with the Incident Action Plan applied to the search. There are many rescue techniques that the recruit can utilize to rescue a victim including sheltering in place, assisting the victim to an exit, carrying or dragging the victim, assisting a victim down a ground or aerial ladder and removing a victim by ladder.

The benefits of ventilation are learned and placed in perspective once again with the knowledge learned about building construction to enable the ventilation team carry out the tactics necessary to rid the structure of smoke, heat and toxic

Course Code

Course Description

gases. Tactical priorities will be introduced again and applied to decisions made concerning when to vent, how to vent and where to vent.

MFTE-808

Block 6 Water Supply & Hose (16 hours) 12 minimum 24 max
Chapter 15 Water Supply, Chapter 16 Fire Hose, Nozzles, Streams and Foam

Recruits will study and learn about the water supply systems available in their communities whether from static sources or kinetic municipal supply systems, access to static water, distribution of municipal water, fire hydrants operation and maintenance. Recruits will connect fire pumps from both static and kinetic sources to provide water to the pumping apparatus. They will operate a fire hydrant by turning it on and shutting down the flow of water from the hydrant.

Recruits will study basic hydraulics to gain an understanding of how water reacts under pressure, increased flow, friction loss, elevation pressure and the destructive nature of water hammers. Fire hose functions, sizes, construction, couplings used to supply water to the fire pump apparatus or to attack the fire will be demonstrated by each recruit. They will learn the causes and prevention of damage to fire hose along with the cleaning and maintenance and annual inspection. Various hose storage methods will be demonstrated by each recruit including the straight roll, single donut, twin donut and the self locking twin donut roll. Recruits will participate in supply line evolutions, loading fire hose on the pumper apparatus, attack line evolutions. Operation of the fire nozzle to apply water to the seat of a fire is essential to the extinguishment process and will be practiced. Recruits will place a fire attack hose in operation incorporating fire fighting foam into the system.

MFTE-809

Block 7 Suppression (16 hours) 12 minimum 24 max
Chapter 18 Salvage, Chapter 21 Fire Suppression

Salvage and overhaul operations provide the protection to the property that was damaged by the fire. Salvage and overhaul are usually conducted at the same time or in close coordination with each other. If sufficient personnel are available they can be performed at the same time as fire suppression is being conducted. Recruits will learn to apply safety principles and practices when conducting salvage and overhaul. Lighting the scene can increase the safety of the operation dramatically and the recruits shall learn how to operate generators, connect electrical cords and extend portable lighting into the structure or illuminate the exterior. Sprinkler systems may have activated during the fire and recruits will learn how to deactivate the system and remove water to prevent further damage. The use of salvage covers to protect property and to deliver water is a fundamental responsibility that each recruit must demonstrate.

Fire suppression is culmination of the subjects learned in blocks 1 through 6 including the salvage work learned in block 7. The recruits will learn to fight fires in vehicles, flammable liquid & gas fires, electrical fires and structure fires. The strategy and tactics learned in earlier blocks must be employed on the fire scene to achieve the goal of extinguishing the fire.

Course Code

Course Description

MFTE-810

Block 8 Fight Fire Smart (16hours) 12 minimum 24 max
Chapter 6 Building Construction, Chapter 22 Pre-Incident Planning, Chapter 35 Fire Prevention & Public Education, Chapter 36 Detection, Protection & Suppression Systems, Chapter 37 fire Cause Determination

Building construction provides every fire fighter with relevant information concerning building materials, the types of building construction, the functions of building components and how the types of building construction will react to fire. Fire fighters will learn how to conduct a pre-incident survey noting the sources of the water supply, fire suppression and detection systems. Of primary importance is the ability to identify and detect hazards to include on the survey. Every fire fighter is expected to represent their community to prevent fires to reduce the loss of life and property. The fire fighter shall conduct a fire safety survey on a private dwelling using survey forms and make recommendations to the occupant for corrections. Each fire fighter shall provide safety information to fire station visitors or small groups using prepared materials. Fire fighters will learn to preserve the signs of the origin of the fire and the area surrounding as they are equally as important when arson is suspected. Identifying fire burn patterns and the techniques for preserving the evidence including protecting the fire scene is required to all members of the fire department.

MFTE-811

Block 9 EMS – Vehicle Rescue (16 hours) 12 minimum 24 max
Chapter 25 Vehicle Rescue & Extrication, Chapter 26 Assisting Special Rescue Teams

Vehicle accidents account for an increasing number of fire department responses. Each accident encountered offers different challenges such as the model of automobile and the safety systems included. The fire fighter must identify the hazards when arriving at the accident scene before taking action. Cribbing and stabilization will be deployed to mitigate hazards and extrication tools - cutting tools will be used to gain access to victims entrapped. Fire fighters are called upon to handle many special hazard situations referred to as technical rescue incidents. These incidents require a specially trained team of skilled fire fighters normally assigned to a heavy rescue apparatus or a truck company. Every fire fighter then becomes an integral part of the team as an assistant. The assistants must be ready to retrieve various types of rescue tools and establish public barriers.

MFTE-812

Block 10 Introduction to Haz Mat (16 hours) 12 minimum 24 max
Chapter 20 Wildland & Ground Fires, Chapter 27 Haz Mat Overview, Chapter 28 Haz Mat Properties & Effects,
Chapter 29 Haz Mat recognition & Identification

Fire fighters will prepare to combat wildland fires using suppression techniques such as using hand tools, back pack extinguishers and hose lines to extinguish the blaze. They will also learn to deploy a fire shelter when in danger of being overrun by a rapidly moving fire. We are surrounded by hazardous materials in our daily lives; they pass through our communities via ground transportation, air, rail, and pipeline. As fire fighters we must learn to define what

Course Code

Course Description

is a hazardous material and plan for the release of the hazardous products. The characteristics of the hazardous materials will be reviewed and use of the Department of Transportation (DOT) Emergency Response Guidebook is essential for protection of each fire fighter and the public.

MFTE-813

Block 11 Response to Haz Mat (16 hours) 12 minimum 24 max
Chapter 30 Implementing a Response, Chapter 31 Scene Safety, Chapter 32 Response Priorities & Actions

Fire fighters will be provided scenarios involving hazardous materials / WMD incidents to construct incident action plans to notify the proper authorities, estimate the size & scope of the incident, initiate the Incident Command System and establish the command post. The fire fighters will describe the mission of the haz mat search & rescue at an incident, plan for exposure control and prepare to take defensive control activities to handle the incident. Use of a multigas meter to conduct atmospheric monitoring, deployment of absorption / absorption materials will be utilized to contain the release, construction of both over flow and underflow dams, diversion, retention, dispersion and suppression skills will be practiced.

MFTE – 814

Block 12 Haz Mat Decon (16 hours) 12 minimum 24 max
Chapter 33 Haz Mat Decontamination Techniques & Chapter 34 Terrorism Awareness

Fire fighters will identify the types of decontamination, how to conduct an emergency decontamination and the potential for cross decontamination. They will practice performing emergency decontamination and setting up a system to conduct mass decontamination. To prepare for the threat of another terrorist attack fire fighters will describe types of threats posed by terrorists groups and individuals. Fire fighters will review the dangers of explosive devices, chemical, biological agents and radiological incidents.

MFTE -816

Fire Fighter I Written Examination 1 Hour time frame
6 minimum required 50 maximum
Prerequisite: Successful completion of Fire Fighter I course

A seventy-five question examination comprised of multiple choices per each question. The test is prepared by the MFTE Certification Division from commercial tests banks produced by the firm Performance Training Systems (PTS) owned by Dr. Ben Hirst. The questions are developed by Dr. Hirst based on the National Fire Protection Association 1001 standard "Professional Qualifications for Fire Fighter, 2008 edition". The test questions provided by PTS are carefully selected and reviewed by experts within MFTE prior to being administered to ensure compliance to the standard.

Course Code #	Course Description
MFTE -818	<p><u>Fire Fighter II Written Examination</u> 1 Hour 16 minimum required 50 maximum Prerequisite: Successful completion of Fire Fighter I & II course</p> <p>A seventy-five question examination comprised of multiple choices per each question. The test is prepared by the MFTE Certification Division from a commercial tests bank produced by the firm Performance Training Systems (PTS), owned by Dr. Ben Hirst. The questions are developed by Dr. Hirst based on the National Fire Protection Association 1001 standard "Fire Fighter Professional Qualification, 2008 edition". The test questions provided by PTS are carefully selected and reviewed by experts within MFTE prior to being administered to ensure compliance to the standard.</p>
MFTE – 819	<p><u>Fire Fighter I & II Practical Skills End Test Examination</u> 8 Hour time frame 16 minimum required 50 maximum Prerequisite: Successful completion of Fire Fighter I & II course</p> <p>The Fire Fighter I Skill examination tests any and all of the hands-on objectives found in the Fire Fighter II standard produced by the National Fire Protection Association. NFPA Standard 1001 "Fire Fighter Professional Qualification, 2008 edition". The Jones & Bartlett Skill Sheets located in the Fundamentals of Fire Fighter Skills curriculum are utilized to build a skills examination. Students preparing for the exam should be able to perform at 100% each of the skills found in the program.</p>
MFTE -820	<p><u>Fire Instructor I Written Examination</u> 1 Hour time frame 6 minimum required 50 maximum Prerequisite: Successful completion of Fire Instructor I course</p> <p>A seventy-five question examination comprised of multiple choices per each question. The test is prepared by the MFTE Certification Division from a commercial tests bank produced by the firm, Performance Training Systems (PTS) owned by Dr. Ben Hirst. The questions are developed by Dr. Hirst based on the National Fire Protection Association 1041 standard "Fire Service Instructor Professional Qualifications, 2008 edition". The test questions provided by PTS are carefully selected and reviewed by experts within MFTE prior to being administered to ensure compliance to the standard.</p>
MFTE -821	<p><u>Fire Instructor II Written Examination</u> 1 Hour time frame 6 minimum required 50 maximum Prerequisite: Successful completion of Fire Instructor I & II course</p> <p>A seventy-five question examination comprised of multiple choices per each question. The test is prepared by the MFTE Certification Division from a commercial tests bank produced by the firm, Performance Training Systems (PTS) owned by Dr. Ben Hirst. The questions are developed by Dr. Hirst based on the National Fire Protection Association 1041 standard "Fire Service Instructor Professional Qualifications, 2008 edition". The test questions provided by PTS are carefully selected and reviewed by experts within MFTE prior to being administered to ensure compliance to the standard.</p>

Course Code

Course Description

MFTE – 822

Fire Instructor I Practical Skill Examination 1 Hour time frame
12 minimum required 24 maximum
Prerequisite: Successful completion of Fire Instructor I course

The Practical Skill examination for Fire Instructor I requires the student to teach a 10 minute class using a prepared lesson plan. The lesson should be performed in front of peers and the course instructor who conduct an evaluation of the presenter. The evaluation is based on the following criteria based on effective communication, clear objectives and the presentation.

MFTE – 823

Fire Instructor I & II Practical Skill Examination 1 Hour time frame
12 minimum required 24 maximum
Prerequisite: Successful completion of Fire Fighter I course

The Practical Skill examination for Fire Instructor I requires the student to teach a 20 minute class using a prepared lesson plan. The lesson should be performed in front of peers and the course instructor who conduct an evaluation of the presenter. The evaluation is based on the following criteria based on effective communication, clear objectives and the presentation

MFTE – 825

Mobile Alarm Sprinkler Trainer (MAST) min 8 / max 12

The Mobile Alarm Sprinkler Trainer (MAST) is a prop designed to provide a laboratory for fire fighters studying fire protection systems. The MAST unit has an alarm system that is capable of monitoring the following components of a buildings fire protection system: sprinkler tamper switches, water flow activation, fire alarm manual pull station, smoke and heat detectors, master fire alarm box and Knox box. The MAST unit also contains fully functioning Wet Sprinkler System, Dry Sprinkler System, Residential Sprinkler System, Standpipe System and a the WET Room containing three different style sprinkler heads. The MAST unit can provide fire fighters with the hands on skills required by the 2008 edition of NFPA 1001, *Standard for Fire Fighter Professional Qualifications*.

MFTE -830

Fire Officer I Written Examination 1 Hour time frame
6 minimum required 50 maximum

Prerequisite Required: Certified as Fire Fighter II level - & Fire Instructor I level

A seventy-five question examination comprised of multiple choices per each question. The test is prepared by the MFTE Certification Division from a commercial tests bank produced by the firm Performance Training Systems (PTS) owned by Dr. Ben Hirst. The questions are developed by Dr. Hirst based on the National Fire Protection Association 1021 standard "Fire Officer Professional Qualifications, 2008 edition". The test questions provided by PTS are carefully selected and reviewed by experts within MFTE prior to being administered to ensure compliance to the standard.

Course Code #	Course Description
MFTE-831	<p><u>Fire Officer I Practical Skill Examination</u> 4 hour time frame 12 minimum 24 maximum Prerequisite: Completion of Fire Officer Level I course</p> <p>The Fire Officer I Practical Skill examination is based on the National Fire Protection Association standard 1021 standard "Fire Officer Professional Qualifications, 2008 edition". Students are assessed on the implementation and use of the Incident Management System (IMS) during a simulation of emergency, leadership skills required to initiate an Action Plan and the control and mitigation of the emergency.</p>
MFTE -832	<p><u>Fire Officer II Written Examination</u> 1 Hour time frame 6 minimum required 50 maximum Prerequisite Required: Certified as Fire Fighter II level - & Fire Instructor I level</p> <p>A seventy-five question examination comprised of multiple choices per each question. The test is prepared by the MFTE Certification Division from a commercial tests bank produced by the firm Performance Training Systems (PTS) owned by Dr. Ben Hirst. The questions are developed by Dr. Hirst based on the National Fire Protection Association 1021 standard "Fire Officer Professional Qualifications, 2008 edition". The test questions provided by PTS are carefully selected and reviewed by experts within MFTE prior to being administered to ensure compliance to the standard.</p>
MFTE – 833	<p><u>Fire Officer I & II Practical Skill Examination</u> 8 hour time frame 12 minimum 24 maximum Prerequisite: Completion of Fire Officer Level I & II course</p> <p>The Fire Officer I & II Practical Skill examination is based on the National Fire Protection Association standard 1021 standard "Fire Officer Professional Qualifications, 2008 edition". Students should expect simulations of serious nature, such as, large scale structure fires, life threatening emergency situations, panic situations, fire fighter injuries, firefighter lost, mass causality incidents and hazardous materials incidents.</p> <p>Students are assessed on the implementation and use of the Incident Management System (IMS) during a simulation of emergency, leadership skills required to initiate an Action Plan and the control and mitigation of the emergency.</p>
MFTE- 850	<p><u>Basic Fire School (BFS – 74 hours)</u> 12 minimum 24 maximum</p> <p>The Basic Fire School program was constructed by members of MFTE to satisfy the requirements of the Maine Bureau of Labor for individuals who seek recognition to fight fires in structures. The program has been reviewed and approved by BLS to meet the minimum requirements for interior fire fighting operations. Training objectives from the Jones & Bartlett "Fundamentals of Fire fighter Skills I & II" curriculum package are utilized to address the BLS requirements. The program covers the competencies needed to prepare a recruit</p>

Course Code

Course Description

fire fighter for the challenges they may face at an emergency. There is no written examination or skills end test required after completion of this program. Candidates who complete the BFS program are eligible to receive a certificate of completion. This training program does not meet the NFPA 1001 Standard for Fire Fighter Professional Qualifications.

MFTE- 851

Basic Fire Pump Operation (Pumps I) (16 / 20 hours) (PPE required)
6 minimum / 8 maximum

The basic fire pump operation program is designed to provide fire fighters with a standardized means of providing water at an emergency scene. The number one priority of the program is to operate safely and provide a constant uninterrupted flow of water. Because of the diversity of fire pump apparatus found in fire departments candidates must learn to operate equipment recognizing these differences. The course covers the principles of hydraulics and the basic operation of fire department pumpers. This training limits pumping capacity to 500 gallons per minutes for safety reasons. Drills include: correct placement of apparatus, pumping from tank, pumping from hydrants, pumping from draft, and using pressure control devices. The course includes classroom and practical exercises. Course updated 2012 to be called Basic Pump Operators Course (BPOC)

MFTE – 867

Basic Pump Operators Course Train-the-Trainer (BPOC) (20 hours)
(PPE Required)

Prerequisite: Fire Instructor I, Basic Pump Operations Course recognition completion card 6 minimum / 8 maximum

The basic fire pump operation program is designed to provide fire fighters with a standardized means of providing water at an emergency scene. The number one priority of the program is to operate safely and provide a constant uninterrupted flow of water. Because of the diversity of fire pump apparatus found in fire departments candidates must learn to operate equipment recognizing these differences. The course covers the principles of hydraulics and the basic operation of fire department pumpers. This training limits pumping capacity to 500 gallons per minutes for safety reasons. Drills include: correct placement of apparatus, pumping from tank, pumping from hydrants, pumping from draft, and using pressure control devices. The course includes classroom and practical exercises.

MFTE- 852

Hazardous Materials Awareness and Operations (32 hours) (PPE required)
12 minimum / 24 maximum
Prerequisite: SCBA qualified

The course Hazardous Materials Awareness and Operations meets and exceeds the requirements for Fire Fighter I and II certification and satisfies the core competencies for operations level responders including the eight mission-specific responsibilities for first responders within the 2008 Edition of NFPA 472, *Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents*. Additionally, the material presented also exceeds the

Course Code

Course Description

hazardous materials response requirements of the Occupational Safety and Health Administration (OSHA) and the Environmental Protection Agency (EPA).

A fire fighter's ability to recognize an incident involving hazardous materials or weapons of mass destruction (WMD) is critical. They must possess the knowledge required to identify the presence of hazardous materials and WMD, and have an understanding of what their role is within the response plan. Hazardous Materials Awareness and Operations will provide fire fighters and first responders with these skills and enable them The properties and effects of hazardous materials and WMDs

- How to calculate potential danger and initiate a response plan
- Selection, use, advantages, and disadvantages of personal protective equipment
- Mass and technical decontamination
- Evidence preservation and sampling
- Product control
- Victim rescue and recovery
- Air monitoring and sampling
- Illicit laboratory incidents

A major portion of the time will be spent conducting hands on training including:

- Donning & doffing hazardous materials suits
- Using air monitoring equipment
- Using the Department o Transportation (DOT) Emergency Response Guidebook (ERG)
- Conducting hazardous material scenarios

MFTE-853

Hazardous Materials Virtual Operations Program - Distance Education (32 hours)
12 minimum / 24 maximum
Prerequisite: SCBA qualified

Fire fighters can now participate in a distance education training program that allows them to complete the classroom (20 hours) requirements for Haz Mat Operations level using the World Wide Web to connect to program material. Candidates must meet the same requirements as would be expected in a traditional educational program. The skills portion of the training would be scheduled to meet the demands of the students in the program.

A fire fighter's ability to recognize an incident involving hazardous materials or weapons of mass destruction (WMD) is critical. They must possess the knowledge required to identify the presence of hazardous materials and WMD, and have an understanding of what their role is within the response plan. Hazardous Materials Awareness and Operations will provide fire fighters and first responders with these skills and enable them to keep themselves and others safe while mitigating these potentially deadly incidents.

The course Hazardous Materials Awareness and Operations meets and exceeds the requirements for Fire Fighter I and II certification and satisfies the core



Course Code

Course Description

competencies for operations level responders including the eight mission-specific responsibilities for first responders within the 2008 Edition of NFPA 472, *Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents*. Additionally, the material presented also exceeds the hazardous materials response requirements of the Occupational Safety and Health Administration (OSHA) and the Environmental Protection Agency (EPA). Maine Emergency Management Association (MEMA) & the State Emergency Response Commission (SERC) recognize this course as meeting their requirements for hazardous materials Operations – level responder. MFTE is a recognized vendor for SERC and is eligible for grant funds to pay for this course.

MFTE- 854

Hazardous Materials Operations Refresher (8 hours) (PPE required)

12 minimum / 24 maximum

Prerequisite: Successful completion of Hazardous Materials Operations Course in past 12 months

Fire fighters are required to conduct a refresher program annually to maintain recognition as hazardous materials operations level responders. Students will review basic principles for responding to the release of hazardous materials such as:

- Donning & doffing hazardous materials suits
- Using air monitoring equipment
- Using the Department of Transportation (DOT) Emergency Response Guidebook (ERG)
- Conducting hazardous material scenarios

MFTE-859

Fire Instructor I & II (60 hours)

10 minimum / 20 maximum

MFTE adopted the Jones & Bartlett curriculum *Fire Service Instructor: Principles and Practice* in 2007. The curriculum provides the perspective fire instructor with the up-to-date information required to meet the modern job performance requirements for the Fire Service Instructor I and II as outlined by the National Fire Protection Association's 2007 edition of (NFPA) 1041, *Standard for Fire Service Instructor Professional Qualifications*.

The course encourages critical thinking and is the core of an integrated teaching and learning system for Fire Instructor I and II level courses. The textbook is written in a clear, concise, and user-friendly writing style to simplify the material for students. *The course* is not only designed to help you meet the requirements to become a fire service instructor, but also empowers you to become a great educator within the fire and emergency services. Candidates are required to conduct a twenty minute teaching presentation that can be done as part of the in – class experience or they can video tape the presentation and submit it to the MFTE Certification Program Manager for review.

Course Code

Course Description

MFTE-862

Fire Officer I & II Academy (108 hours)

15 minimum / 24maximum

Prerequisite: NFPA 1001 Fire Fighter II certification, NFPA 1041 Fire Instructor level I. Eighteen(18) *written projects must be submitted during the first day of registration held at the Hutchinson Center to the Fire Officer Project Manager. Candidates who have not completed the written projects will not be permitted entry to the Fire Officer Academy and a refund minus the cost of books will be returned.*

MFTE adopted the Jones & Bartlett curriculum *Fire Officer: Principle and Practice* in 2005. The curriculum provides the perspective fire officer with a modern integrated teaching and learning system for the Fire Officer I and II levels. Fire officers need to know how to make the transition from fire fighter to leader. The training course is designed to help fire fighters make a smooth transition to the fire officer.

The text is the core of the teaching and learning system with features that will reinforce and expand on the essential information and make information retrieval a snap. The program covers the entire scope of NFPA 1021, *Standard for Fire Officer Professional Qualifications, 2003 Edition*, and combines current content with dynamic features using interactive technology to better prepare future fire officers for any situation that may arise.

The course combines current content with dynamic features and interactive technology to better support instructors and help prepare tomorrow's fire officers.

The text covers the entire spectrum of the NFPA 1021, *Standard for Fire Officer Professional Qualifications, 2003 Edition*, from written and oral communications to size-up to budgeting.

Practical coverage of:

- Preparing for promotion
- Training and coaching
- Working in the community
- Creating a budget
- Organized labor and the fire officer
- Crew resource management
- Communications and presentation skills
- Detailed case studies
- Practical test taking tips
- Advice and encouragement from veteran fire officers

Course Code

Course Description

MFTE-863

Fire Officer I & II Virtual Fire Officer Program - Distance Education (108 hours)
15 minimum / 24 maximum

Prerequisite: NFPA 1001 Fire Fighter II certification, NFPA 1041 Fire Instructor level I and Eighteen (18) *written projects must be submitted prior to the final class meeting. Candidates who have not completed the written projects will not be permitted entry to the Fire Officer Academy and a refund minus the cost of books will be returned.*

Fire Officer candidates can now participate in a distance education training program that allows them to complete the requirements using the World Wide Web to connect to program material. The same requirements used in the traditional academy program are adopted for use in the distance education program.

The curriculum provides the perspective fire officer with a modern integrated teaching and learning system for the Fire Officer I and II levels. Fire officers need to know how to make the transition from fire fighter to leader. The training course is designed to help fire fighters make a smooth transition to the fire officer.

The text is the core of the teaching and learning system with features that will reinforce and expand on the essential information and make information retrieval a snap. The program covers the entire scope of NFPA 1021, *Standard for Fire Officer Professional Qualifications, 2003 Edition*, and combines current content with dynamic features using interactive technology to better prepare future fire officers for any situation that may arise.

Executive Skill Session (ESS) weekends are required of each candidate to attend. The ESS weekend sessions consist of Friday evening and all day Saturday meetings. All 18 written projects must be submitted before the first Executive Skill Session is held. Candidates who have not completed the written projects will not be permitted entry to the Fire Officer Distance Education program and a refund minus the cost of books and course distance education will be returned.

MFTE - 865

Emergency Vehicle Operators Course (EVOC) 2008 Fire Apparatus edition
(16 hours) (PPE Required) 8 minimum / 12 maximum

The objective of the Emergency Vehicle Driver Training (EVDT) program is to provide both classroom work and hands-on training aimed at reducing the frequency of accidents and minimizing their impact on the department and community. The participant manual assists participants in reviewing important issues discussed by the instructor. Candidates must drive fire apparatus through a designed driving course that simulates actions found on municipal streets and private right of ways. Sixteen student contact hours is evenly spread between the classroom and driving course.

Course Code

Course Description

MFTE – 868

Emergency Vehicle Operators Course (EVOC) 2008 Fire Apparatus edition
(16 hours) (PPE Required) 8 minimum / 12 maximum
Prerequisite: Fire Instructor I, EVOC recognition completion card

The objective of the Emergency Vehicle Driver Training (EVDT) program is to provide both classroom work and hands-on training aimed at reducing the frequency of accidents and minimizing their impact on the department and community. The participant manual assists participants in reviewing important issues discussed by the instructor. Candidates must drive fire apparatus through a designed driving course that simulates actions found on municipal streets and private right of ways. Sixteen student contact hours is evenly spread between the classroom and driving course.

MFTE- 866

Driving Emergency Vehicle Simulator (DEVS) (8 hours) min 12/max12
Prerequisite: Completion of either CEVO & EVOC training courses prior to registering for the DEVS training.

The Doron Driving Simulator requires students to complete the CEVO and the EVOC training program as a prerequisite within the past 12 months.

The simulator is mounted in a 32 foot trailer that can be delivered to your site. Since the simulators operate by using five computers and multiple plasma screens the training location should have a 50 amp shore power available with electrical connection like those found for an electric dryer. If the shore power connection is not available the host community is responsible to provide fuel to run the trailer generator.

The simulator combines a multi-position semi-interactive system with two interactive simulators stations. Station one is the truck cab of a fire department pump apparatus and the second station is a fire department command vehicle / ambulance. Each station combines systems unique characteristics, resulting in the most powerful, broad-based safe driving program available. A vast library of computer generated imagery scenarios are supplied to create a highly immersive, comprehensive, hands on training program. The DEVS simulator course is not intended to replace the driving skills learned on the EVOC driving course but to supplement and to reinforce the skills learned during that program.

*Note – some students have experienced dizziness and nausea while participating in the DEVS training. If you are prone to motion sickness the DEVS training may cause these ailments.

Course Code

Course Description

NFA Courses Available from MFSI

MFTE – 873

NFA: Leadership I: Strategies for Company Success (LS:I F803) (16 hours)
12 min/ 24 max

This 2-day course presents the company officer with the basic leadership skills and tools needed to perform effectively in the fire service environment. The course includes techniques and approaches to problem-solving, ways to identify and assess the needs of the company officer's subordinates, methods for running meetings effectively in the fire service environment, and decision making skills for the company officer. Line fire officers, unit commanders, or program supervisors. Fire or rescue personnel due for promotion/appointment to officer rank or supervisory position within 6 months. Training officers, staff, or administrative officers of fire and rescue organizations.

MFTE – 874

NFA: Leadership II: Strategies for Personal Success (LS:II F804) (16 hours)
12 min/ 24 max

This 2-day course provides the company officer with the basic leadership skills and tools needed to perform effectively in the fire service environment. The course addresses ethics, use and abuse of power at the company officer level, creativity in the fire service environment, and management of the multiple roles of the company officer. Line fire officers, unit commanders, or program supervisors. Fire or rescue personnel due for promotion/appointment to officer rank or supervisory position within 6 months. Training officers, staff, or administrative officers of fire and rescue organizations.

MFTE – 875

NFA: Leadership III: Strategies for Supervisory Success (LS:III F805) (16 hours)
12 min/ 24 max

This 2-day course provides the company officer with the basic leadership skills and tools to perform effectively in the fire service environment. The course covers when and how to delegate to subordinates, assess personal leadership styles through situational leadership, discipline subordinates, and apply coaching/ motivating techniques. Line fire officers, unit commanders, or program supervisors. Fire or rescue personnel due for promotion/appointment to officer rank or supervisory position within 6 months. Training officers, staff, or administrative officers of fire and rescue organizations.

Course Code

Course Description

MFTE-876

NFA: Preparation for Initial Company Operations (PICO F458) (16 hours)
12 min /24 max

(Formerly Managing Company Tactical Operations: Preparation (MCTO:P)) This course is designed to develop a better understanding of the roles and responsibilities of a Company Officer in preparing their company for incident operations. In addition, to clarify the transition from firefighter to company officer and the new roles relating to leadership and safety, this course is designed for company officers, acting company officers, or senior firefighters responsible for the management of a single fire company at an emergency incident. Those officers who are responsible for company readiness, personnel safety, and leadership as it relates to company operation including company officers, acting officers, or senior firefighters who command a fire company during emergency operations. Those officers who are responsible for maintaining skills and company readiness are the primary audience.

MFTE - 877

NFA: Strategy and Tactics for Initial Company Operations (STICOF455)
(16 hours) 12 min /24 max

(Formerly MCTO: Tactics) STICO is designed to meet the needs of Company Officers responsible for managing the operations of one or more companies during structural firefighting operations. STICO is designed to develop the management skills needed by company officers to accomplish assigned tactics at structure fires. Senior firefighters who may at times assume the responsibilities of the company officer.

MFTE- 878

NFA: Juvenile Firesetter Intervention Specialist I (JFIS F626) (16 hours)
12 min /24 max

The goal of the course is to provide the skills and tools necessary to become a Juvenile Firesetter Intervention Specialist I. The class will address the NFPA 1035 Juvenile Firesetter Intervention Specialist I including: Introduction; Primary Prevention; Identification and Intake; Who Sets Fires and Why, and Interviewing and Intervention Strategies. Students will be introduced to NPFA 1035 Juvenile Firesetter Intervention Specialist I Professional Standard. The individual will learn to conduct an interview with a firesetter and their family using prepared forms and guidelines and who based on recommended practice may determine the need for referral for counseling and/or implement educational intervention strategies to mitigate effects of firesetting behavior.

Individuals that have responsibilities related to Juvenile Firesetting Intervention, interviewing, and prevention. The target audience includes practitioners who interact with children who are involved in firesetting and/or arson behavior and their families. In addition to the fire service, professionals from a myriad of fields including Mental Health, Law Enforcement, Education, Counseling Services, and Social Services can benefit from the training.

Course Code

Course Description

MFTE – 879

NFA: Juvenile Firesetter Intervention Specialist II (JFIS II F627) (16 hours)
12 min /24 max

The goal of the course is to provide the skills and tools necessary to become a Juvenile Firesetter Intervention Specialist II. The class will address the NFPA 1035 Juvenile Firesetter Intervention Specialist II including: Identification and Intake; Coalition Building Support and Management; Budget and Funding; Development of a Juvenile Handbook, Resource Directory, Data Base, and Program Evaluation. Students will be introduced to the NFPA 1035 Juvenile Firesetter Intervention Specialist II Professional Standard. The individual will learn to develop and coordinate a child firesetting intervention program and the activities of Juvenile Firesetter Intervention Specialist. The course develops skills including interviewing and assessment, program development, implementation, and evaluation. Individuals that have or will have responsibilities related to the management and/or coordination of a Juvenile Firesetting Intervention program.

MFTE – 880

NFA: Firefighter Safety & Survival (FFSS) (16 hours) 12 min /24 max

This course is no longer listed in the National Fire Academy catalog but continues to be a popular offering in Maine. The course builds awareness in the critical problems of firefighter deaths and injuries in emergency and non-emergency situations and provides risk-reduction skills to help make firefighters safer. It is highly recommended that every member of the fire service complete this course.

MFTE – 881

NFA: Incident Safety Officer (ISO F729) (16 hours) 12 min /24 max

This course examines the incident safety officer's role within a command structure at emergency response situations. Participants will be able to identify and analyze incident scene safety concerns and communicate recommended solutions to the command authority.

MFTE – 883

NFA: Decision Making for Initial Company Operations (F457)

Decision Making for Initial Company Operations is designed to develop the decision making skills needed by Company Officers (COs) to accomplish assigned tactics at structure fires. All activities and scenarios used in this course are based on structure fires. As a Company Officer (CO) with the real possibility of being the first to arrive at an incident, the CO's initial decisions will have an impact throughout the entire incident. It is vital that they be able to make good management decisions that have a favorable impact on the eventual outcome. In addition to a possible role as the initial Incident Commander (IC), the CO may well be assigned a subordinate position within the ICS organization. COs need to have a clear understanding of the system, the position they are assigned, and their role in the organization if they are to function effectively and help make the system work.



Course Code

Course Description

Potential Future Program Offerings

MFTE-800

Fire Academy Program Fire Fighter I & II (233 hours) 24 minimum 30 max

The academy course is designed to provide a start to finish training program that teaches each of the 37 chapters of the Jones & Bartlett curriculum "Fundamentals of Fire Fighter Skills, 2nd Ed." The training program can be conducted using in – house certified fire training instructors or in a combined delivery utilizing MFTE State fire instructors in conjunction with the in – house instructors. The training program meets and exceeds the Fire Fighter I and II professional qualifications levels as outlined in the 2008 edition of NFPA 1001, *Standard for Fire Fighter Professional Qualifications*. It also covers all of the Job Performance Requirements (JPRs) listed in the 2008 edition of NFPA 472, *Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents*, at the awareness and operations levels, including Section 6.2, Mission-Specific Competencies: Personal Protective Equipment and Section 6.6, Mission-Specific Competencies. All in-house academy programs are *required* to complete an application for in-house training prior to beginning the training in order to be placed in the queue.

MFTE- 815

Virtual Fire Fighter Academy (VFF-Distance Education Blended Learning Program) (233 hours) 24 minimum 30 max

MFSI has partnered with the Jones & Bartlett publishers to offer a distance education opportunity for in – house fire fighter academy programs. The Virtual Fire Fighter (VFF) program provides each fire fighter candidate with the following materials; J& B text "Fundamentals of Fire Fighter Skills, 2nd Edition", Student Workbook and access code to connect to the J & B distance education program for Fire Fighters I & II. The academy must assign a coordinator who has oversight for planning and running the academy program and a distance education administrator who provides oversight of the progress for the candidates enrolled in the distance program. There are no short cuts allowed in this program – candidates must read and successfully complete quizzes for each chapter. The administrator will have access to monitor both the amount of time candidates spent reading the material and the grades for each chapter quiz. To be successful candidates should complete the J & B Student Workbook in preparation for the MFTE / NFPA ProBoard certification examination.