

# Twin State Regional Fire School

May 2<sup>nd</sup> and 3<sup>rd</sup> 2020

Blue Mountain Union School  
Wells River, Vermont



# TWIN STATE REGIONAL FIRE SCHOOL

## 45 YEARS OF TRAINING FIRST RESPONDERS

Sponsored by Twin State Mutual Aid Fire Association

MAY 2<sup>nd</sup> & MAY 3<sup>rd</sup>, 2020

BLUE MOUNTAIN UNION SCHOOL, WELLS RIVER, VERMONT

**PRE-REGISTRATION DEADLINE APRIL 1<sup>st</sup>, 2020**

**TWO-DAY COURSES (May 2<sup>nd</sup> and 3<sup>rd</sup>)**

**COST \$100- UNLESS NOTED**

### 1. ROOKIE: An Introduction to the Fire Service

Green Mountain Catamount Fire Training

This course will give new firefighters an introduction to basic skills on how to do firefighting safely. Topics covered: Orientation & History of the Fire Service, Fire Department Organization & Chain of Command, Safety & Protective Equipment, Fire Service Terminology, Chemistry of Fire & Fire Behavior, Classes of Fires & Fire Extinguishers, Orientation to Fire Apparatus, Hose & Appliances, Ground Ladders, Hand Tools, and Ropes & Knots. Firefighters should be physically able to carry out the physical rigors of firefighting.

Pre-requisites: None

Equipment needs: PPE SCBA

### 2. Advanced Auto Extrication

Green Mountain Catamount Fire Training

This course covers construction of cars, vans, and pickups. A deeper look at new safety features such as boron, advanced steels and rear glass pistons being discussed. Hand tools will be used along with hydraulics, air bags, reciprocating saws, air chisels and other advanced equipment. Vehicles will be on their wheels, upside down, on their sides, ride-overs and other positions. **Students should not take this course unless they have had the Basic course or have considerable experience in their own departments. This is not a course for Rookies.**

Pre-requisite: Basic Auto Extrication

Equipment needs: PPE

### 3. PPE & SCBA:

**STUDENT MUST BE FACIAL HAIR COMPLIANT** NH Fire Academy

After completion of this module, students will be able to describe the Personal Protective Equipment (PPE) that is used by firefighters, explain the importance of PPE, describe how PPE is properly maintained, identify the hazards of smoke and other toxic environments, and explain why respiratory protection is an essential need of fire service personnel. Students will be able to describe the different types of self-contained breathing apparatus (SCBA), identify its limitations, explain the procedures for maintenance, inspections, refilling, and donning. Students will practice the skills of donning, doffing, performing inspections and maintenance, and operating in a SCBA. This course includes both classroom and practical skill activities. After the program, the students will participate in SCBA confidence building drills. **This course does not completely satisfy the requirements of NFPA 1001 for Firefighter I job performance requirements.**

**SATURDAY CLASS AT BMU SCHOOL-WELLS RIVER, VT.**

**SUNDAY CLASS AT TRAINING SITE, BETHLEHEM, NH**

Pre-requisites: None

Equipment needs: PPE SCBA & 1 SPARE CYLINDER

### 4. Basic Pumps

Green Mountain Catamount Fire Training

This course is an introduction to pumps and pump operations. Building on basic pump theory the course will introduce firefighters to basic pump operation and maintenance. Priming drafting will be explored in depth using both classroom theory and practical application. Pump problem troubleshooting and preventive maintenance will be covered. Practical sessions will include work with both portable and main fire pumps.

Pre-requisite: Basic Pumping Knowledge

Equipment needs: PPE

**PRE-REGISTRATION DEADLINE APRIL 1<sup>st</sup>, 2020**

## 5. Modern Fire Behavior – Flashover

STUDENT MUST BE FACIAL HAIR COMPLIANT

VT Fire Academy

Today's firefighters must understand the complexities involved in the science of fire and fire dynamics. This updated course uses evidence-based information, derived from modern fire research, to highlight key educational areas. It will provide you the tools necessary to understand modern fire propagation, fuel packages, and ventilation and how they relate to firefighter safety and tactical deployment on today's Fireground. The course begins with a classroom presentation and concludes with a live fire exercise where you observe fire development from ignition to flashover. The culminating live fire exercise will "flip the classroom", where the student will be able to recognize the warning signs of flashover from inside a live fire environment. **Prerequisites: All Students must meet the prerequisites for live fire training as outlined in NFPA 1403**

### **CHANGE: MAIL FLASHOVER APPLICATION TO TSFMA COMMITTEE**

**Pre-requisite: FF1 or Chief's sign off**

**Equipment needs: PPE; SCBA; Spare cylinder**

## 6. Logger Rescue

Chief Dana Hinkley (Ret.), Logger Rescue LLC.

Topics Covered- Types of logging accidents that can happen and how to be best prepared. Equipment that is needed will be discussed. Chain saw training- its uses and how to best be able to use the appropriate machine. Outside portion will be at an actual job site. Scenarios are put into place and students take the overall safety procedures and do's and don'ts on how best not to become a victim themselves.

**COST- \$200 Pre-requisites: None Equipment needs: Hard Hat or Fire Helmet, Safety Toe boots, gloves**

## 7. Pediatric Ed for Prehospital Professionals

Mariah Whitcomb, VT EMS DIST 9 - Training Officer

Pediatric Education for Prehospital Professionals- Developed by the American Academy of Pediatrics, PEPP is an exciting curriculum designed to teach prehospital professionals how to better assess and manage ill or injured children. PEPP is a comprehensive, innovative, and highly visual course featuring case-based lectures, live-action video, hands-on skills stations, and small group scenarios. The Advanced Life Support (ALS) course is geared toward the Advanced Emergency Medical Technician (AEMT) and Paramedic, a mix of BLS and ALS topics will be covered allowing for all certification levels to participate. **An online pretest (cost of \$25.00 to American Academy of Pediatrics) is required for this course. Students need to be registered 1 week prior to May 2 & complete the Pre-Test Independently.**

**COST- \$200**

**16 CEUs EMS PROVIDERS**

## 8. Intro. To Search and Rescue

Neil Van Dyke, Search & Rescue Coordinator, Vt. Dept. of Public Safety

This class will go over the basic skills needed to participate in a search and rescue operation in Vermont. The first day will focus on "Search," including terminology, Initial actions, proper clothing and equipment, and strategy and tactics to locate a missing person in the backcountry. Sunday will provide "Rescue" instruction in basic extrication techniques, including patient packaging and safe litter movement over moderate and low angle terrain.

**Equipment needs: Good footwear, leather gloves, clothing for outdoor class- rain or shine; compass and GPS if possible**

## 9. Minimum Manpower Operations

Green Mountain Catamount Fire Training

The shortage of physical assets (manpower) is a problem shared by fire departments throughout the country. Our challenge is to operate efficiently and safely with the assets we have on hand. Through classroom instruction and hands on practical sessions this course will provide students with the knowledge and practical experience to formulate Minimum Manpower procedures for their departments.

**Pre-requisites: None**

**Equipment needs: PPE**

## 10. Propane Emergency Response

VT HAZ MAT TEAM AND PGANE

This class provides basic information about propane, propane emergency response, and the resources that are available.

**Pre-requisites: None**

**Equipment needs: PPE and EYE PROTECTION**

**PRE-REGISTRATION DEADLINE April 1<sup>st</sup>, 2020**

# ONE DAY COURSE SATURDAY (May 2<sup>nd</sup>.)

## **11. ENHANCING FIRE & LIFE SAFETY EDUCATION IN YOUR COMMUNITY** Michael Greenia, VT Div. of Fire Safety

This course is designed to provide information on a variety of fire prevention, public education & community risk reduction topics facing today's fire service. The class is tailored for rural fire department personnel to assist them to identify and evaluate fire prevention needs in their community; develop or utilize other free programs & materials to enhance their existing public education programs. Students will get updates on state fire and life safety education efforts; national and regional organizations such as NFPA, Vision 2020, US Fire Administration and the VT/ NH Carbon Monoxide Alliance. We will examine how to facilitate local collaborative partnerships and how to host a Fire Safe 802 home safety and Smoke /CO alarm install program.

**Prerequisite:** None

**Equipment needs:** None

**COST:** \$50

## **12. Fire Communications**

**GRAFTON COUNTY DISPATCH**

Fire Dispatch—how calls are made and received, 9-1-1, dispatch call processing, policies, recording, and pre-planning. A discussion about Radio system components and infrastructure—all the parts that make it work, challenges and things that affect performance. Supplemental systems in use—paging, text, automated notification and response monitoring systems. Commercial carriers—their pro's and con's. Interoperable communications—technology challenges vs ICS and operational habits. The future of communications—including NextGen911, and FirstNet.

**Prerequisite:** None

**Equipment needs:** NONE

**COST:** \$50

## **13. Accident Scene Management**

**Green Mountain Catamount Fire Training**

Scene Safety, Traffic Control, Triage, Incident Command, Fire Control and Hazardous Materials. These are just some of the issues that responders must address at the scene of a highway accident. This course will address these issues in both classroom and practical exercises.

**Prerequisite:** None

**Equipment needs:** PPE

**COST:** \$50

## **14. The Firefighters Role In Fire Investigation And Scene Preservation**

This course is an overview of fire investigation, with an emphasis on fire officer and firefighter actions during suppression and overhaul to assist with the investigation. The course will show how scene preservation can be achieved by understanding what investigators will be looking for and how tactics may affect this. This course will be presented by members of the Vermont Department of Public Safety Fire and Explosion Investigation Unit.

**Prerequisite:** None

**Equipment needs:** None

**COST:** \$50.

## **15. Wilderness First Aid - DAY 1**

**Dr. Will Houghton, Mt. Medicine Education**

Patient assessment, delayed care decision-making, care of major patient injuries for extended periods. Day 1 topics include: Wound care, advanced hemostasis, fractures, animal injuries, improvised patient transport, and orthopedic injuries.

**Equipment Needs:** Outdoor class; dress for the weather. Bring a daypack, 8 x 10 rescue tarp, rope, water bottle; "ten essentials you'd bring for any venture into the woods"

**Wilderness First Aid Certification. EMT's Cat 1 Advanced credits –CAPCE certification- 8 hours. Cost \$175.**

# **PRE-REGISTRATION DEADLINE April 1<sup>st</sup>, 2020**

## ONE DAY COURSE SATURDAY (May 2<sup>nd</sup>.) Cont.

### 16. Hazmat Incidents- Tanker Rollover

NH Fire Academy

This 8 hour course is designed for those who have an interest in Hazardous Materials and are looking to explore some of the many components in trying to manage a Hazardous Materials incident, specifically a tanker roll-over. Topics include Scene Safety & Control, Response Priorities & Actions, The Eight Step Process, Implementing Response Objectives, and Decontamination. The NH Fire Academy's portable Hazmat Tanker Simulator will be on-site for some practical evolutions. **THIS COURSE IS NOT A CERTIFICATE COURSE, NOR DOES IT QUALIFY PERSONNEL TO MAKE ENTRY INTO A HOT ZONE.**

Equipment needs Structural PPE & SCBA

Cost: \$50.

## ONE DAY CLASSES SUNDAY (May 3<sup>rd</sup>.)

### 17. Accident Scene Management

Green Mountain Catamount Fire Training

Scene Safety, Traffic Control, Triage, Incident Command, Fire Control and Hazardous Materials. These are just some of the issues that responders must address at the scene of a highway accident. This course will address these issues in both classroom and practical exercises.

Prerequisite: None

Equipment needs: PPE

COST: \$50

### 18. Street Smart Fire Command

Chief Allan Clark, Sugar Hill, NH

This course focuses on the practical aspects of managing typical Fire Department incidents found in northern New England. This not a FEMA, ICS, or NIMS course, but the principles utilized are in conformance with ICS and NIMS. The course creates a system to effectively manage the scene of various incidents ranging in complexity from a dumpster fire, motor vehicle accident, ice rescue, house fire, to a multi-agency hazardous material incident. Emphasis is placed on incidents typical to rural settings based on practicality and not theory. Topics to be discussed will include fire ground management, communications, and accountability, missing firefighter procedure, rapid intervention teams and rehabilitation. The course is fast paced and will cover these topics utilizing local as well as other fires to illustrate and demonstrate the system. Students will have the opportunity to manage several incidents and will be better prepared to manage an incident utilizing practical skills.

Prerequisite: Chief Officers or FF with 5 years of experience

Equipment needs: None

COST: \$50.

### 19. Wilderness First Aid- DAY 2

Dr. Will Houghton, Mt. Medicine Education

Advanced patient assessment, advanced wound care, oral rehydration without IV fluids, hypothermia, heat illness, lightning injuries, advanced improvised transport, head and C-spine care, and medical-rescue-survival kits.

**Equipment Needs:** Outdoor class; dress for the weather. Bring a daypack, 8 x 10 rescue tarp, rope, water bottle; "ten essentials you'd bring for any venture into the woods"

**Wilderness First Aid Certification. EMT's Cat 1 Advanced credits –CAPCE certification- 8 hours. Cost \$175.**

### 20. Vehicle and Equipment Maintenance

Lt. Kevin McDonnell, Hebron, CT. F.D.

Weekly apparatus checks and recording  
Discuss Federal Annual Inspections

Small equipment maintenance  
Discuss and perform weekly DOT brake tests.

Bring any inspection forms that your department currently uses.

Prerequisite: None

Equipment needs: None

COST: \$50

**PRE-REGISTRATION DEADLINE April 1<sup>st</sup>, 2020**

## ONE DAY CLASSES SUNDAY (May 3<sup>rd</sup>.) Cont.

### **21. Drone Operation and Use in Emergency Services**

John and Hollis Munson

This workshop will provide instruction and hands-on training on drone operation and navigation. If you are new to operating a drone this will be an excellent opportunity to try your hand at flying, as you will have access to professional UAV (drone) equipment, namely DJI Sparks, iPads and controllers. We will explore the following topics:

- Overview of FAA Safety Regulations
- Issues and current events surrounding drones
- How to use drones for best video effect
- Basics of navigation through hands-on operation
- Discussion about issues specific to use of drones in emergency response situations

Cost: \$50.

### **22. Hazmat Incidents- Tanker Rollover**

NH Fire Academy

This 8 hour course is designed for those who have an interest in Hazardous Materials and are looking to explore some of the many components in trying to manage a Hazardous Materials Incident, specifically a tanker roll-over. Topics include Scene Safety & Control, Response Priorities & Actions, The Eight Step Process, Implementing Response Objectives, and Decontamination. The NH Fire Academy's portable Hazmat Tanker Simulator will be on-site for some practical evolutions.

**THIS COURSE IS NOT A CERTIFICATE COURSE, NOR DOES IT QUALIFY PERSONNEL TO MAKE ENTRY INTO A HOT ZONE.**

Equipment needs **Structural PPE & SCBA**

Cost: \$50.

**PRE-**  
**REGISTRATION**  
**DEADLINE**  
**April 1<sup>st</sup>, 2020**

**Directions:** I-91, Exit 17, Route 302 east. Blue Mountain Union School 1/8 mile on left.  
From Wells River Village, Route 302 west 3 miles, Blue Mountain Union School on right.  
Registration opens at 7:00 am both days – Assembly 8:15 am both days

**REGISTRATION:** Pre-registrations are due by **April 1, 2020.**

Student walk-ins will have to accept any openings available.

**Indicate priority choices by 1, 2, and 3, on the application form.**

**Classes not meeting the minimum number of students April 1, 2020 will be cancelled.**

## **FLASHOVER : SUBMIT APPLICATION TO TSFMA COMMITTEE**

**FEES:** Pre-registration is \$50.00 per day per person for all courses unless otherwise noted.  
After April 1, 2020 \$10.00 IS ADDED TO EVERY REGISTRATION.

Make checks payable to T.S.M.A.F.A.,

Send payments with applications and signed waiver form to:

Lt. Henry Knott, Box 41, Groton, VT. 05046

Telephone (802)-584-3243

**Email: [twinstatefireschool@gmail.com](mailto:twinstatefireschool@gmail.com)**

**MEALS:** Lunch is included in admission price. Coffee & light snacks will be available daily.

**CERTIFICATES:** Each person attending a course full time will receive a certificate of attendance.

Twin State Mutual Aid Fire Association will provide emergency communications.

PLEASE silence your radios and pagers in the classroom.

Provisions have been made to alert anyone required to respond to an emergency.

## **EMERGENCY PHONE 802-757-2711 EXT. 1052**

### **REQUIREMENTS FOR PPE AND SCBA:**

**PPE:** Check course description for the note **PPE** which means that full protective clothing must be worn in that course. This includes bunker coat, pants, hood, helmet, boots, and gloves.

**SCBA:** If marked next to course description means positive pressure SCBA and **1 spare cylinder** (PASS): **Pass device required.**

**Bottles need to have an up-to-date Hydrotest.**

**SCBA needs to be NFPA compliant and in GOOD WORKING ORDER.**

**THESE ARE A REQUIREMENT.**

***All SCBA users must meet the NH & VT SCBA Mask fit policy.***

# T.S.M.A.F.A. FIRE SCHOOL APPLICATION

## PLEASE PRINT ALL INFORMATION

COMPLETE AND RETURN ONE FORM PER STUDENT

DEADLINE FOR APPLICATIONS IS APRIL 1, 2020

Name \_\_\_\_\_ DEPT. \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

Home Phone \_\_\_\_\_ Date of Birth \_\_\_\_\_

E-Mail Address (**PRINT CLEARLY**) \_\_\_\_\_

COST	FIRST CHOICE	SECOND CHOICE	THIRD CHOICE
\$200.- LOGGER & PEPP			
\$175- WILD. FIRST AID-per day			
\$100- 2 DAY CLASSES			
\$50- 1 DAY CLASSES			

Whereas: I have been invited to attend, observe, or participate in a firefighting training exercise, sponsored and administered by the Twin State Mutual Aid Fire Association Training Committee, in concert with various private and public organizations, persons and cooperation's; AND WHEREAS: Such exercises often present hazards to the life and property of participants, observers or attendees: NOW THEREFORE: In consideration of being afforded the opportunity to observe, attend, or participate in such firefighting training:

1. I acknowledge the inherent dangers of such training and assume the risk to my person and property, both personal and that of others under my control and supervision.
2. I agree to hold harmless and waive all claims arising from my participation, observation or attendance of said training for damages to myself, my property or property of others under my control and supervision arising out of the action or inaction, through any negligence or otherwise other than deliberate and intentional tortuous action by the Twin State Mutual Aid Fire Association's Fire Training Committee, its agents and employees in both their official and personal capacities.
3. Further, this Waiver of Liability and agreement to hold harmless extends to all claims that might devolve to the benefit of my heirs, assignees, administrators or executors, including but not limited to, all claims arising from my wrongful death or injury.
4. Further, the protection of the Waiver of Liability and agreement to hold harmless extends to all cooperating organizations, corporations and individuals, their agents and employees, in both official and personal capacities, who are assisting the Twin State Mutual Aid Fire Association's Fire Training Committee in the presentation and conduct of this training.

Applicant signature: \_\_\_\_\_

Chief's signature: \_\_\_\_\_

PARENT SIGNATURE (16-18 YEAR OLDS) \_\_\_\_\_

MAKE CHECK PAYABLE TO: T.S.M.A.F.A.

**EMAIL: [twinstatefireschool@gmail.com](mailto:twinstatefireschool@gmail.com)**

MAIL TO: C/O LT. Henry Knott

Box 41

GROTON, VT 05046-0041

**LATE FEE AFTER APRIL 1, 2020- \$10 PER APPLICATION**



DEPARTMENT/TOWN \_\_\_\_\_

INVOICE

T.S.M.A.F.A. FIRE SCHOOL

MAY 2-3, 2020 BLUE MOUNTAIN UNION SCHOOL

LAST NAME	FIRST NAME	COURSE	SAT	SUN	FEE
TOTAL					

CHIEF: COMPLETE AND SUBMIT AS YOUR INVOICE. RETURN A COPY WITH YOUR APPLICATIONS.

MAIL PAYMENT TO:

T.S.M.A.F.A.

C/O LT. HENRY KNOTT

BOX 41

GROTON, VT 05046

\_\_\_\_\_  
CHIEF SIGNATURE



Division of Fire Safety  
**VERMONT FIRE ACADEMY**  
 93 Davison Drive  
 Pittsford, VT 05763  
 802-483-2755 / 800-615-3473  
 FAX: 802-483-2464  
 www.firesafety.vermont.gov



**MODERN FIRE BEHAVIOR & FLASHOVER RECOGNITION ADMISSION APPLICATION**

Application and proof of eligibility must be received by the VFA at least 14 days prior to the course date.

<b>Personal Information</b>			
First Name:	Middle Initial:	Last Name:	
Mailing Address:			
City:	State:	Zip Code:	
Home Phone:	Work Phone:	Other Phone:	
E-Mail:			
Date of Birth:	<i>Minimum age for practical is 18.</i>	<input type="checkbox"/> Male <input type="checkbox"/> Female	
Student ID Number:	-	The Student ID consists of your initials and the last 4 digits of your social security number. (ABC-1234)	
<b>Agency Information</b>			
Department/Agency Name:			
Rank/Position:	<input type="checkbox"/> Permanent <input type="checkbox"/> Call <input type="checkbox"/> Volunteer		
Agency Mailing Address:			
City:	State:	Zip Code:	
Agency Phone:			
<b>Program Information</b>			
Program Start Date:	Location:		
Indicate which portion(s) of the course you want to attend: <input type="checkbox"/> Classroom Only <input type="checkbox"/> Full Course			
I certify that the information recorded on this application is correct. I agree to abide by the rules, policies, and regulations of the Vermont Fire Academy if I am admitted as a student. Falsification of information may result in denial of a course certificate. I hereby authorize release of any and all information concerning my enrollment in this course to the chief officer in charge or designee of my organization. All requests for information shall be in writing from said chief or designee.			
Applicant Signature:		Date:	
<b>THIS SECTION IS REQUIRED FOR ALL FULL COURSE PARTICIPANTS</b>			
<b>STUDENT PREREQUISITE SKILL COMPLIANCE TO NFPA 1403 STANDARD ON LIVE FIRE TRAINING</b>			
The firefighter applicant has the following skill-based training as required by <i>NFPA 1403</i> :			
<input type="checkbox"/> VT Essentials of Firefighting Units 1, 2, & 3, or			
<input type="checkbox"/> VT Essentials of Firefighting Sections A, B, & C, or			
<input type="checkbox"/> Firefighter I Certification    Date Achieved:			
<input type="checkbox"/> This firefighter has received training and performance evaluation in accordance with <i>NFPA 1001 Standard for Fire Fighter Professional Qualifications</i> . I certify that his/her job skills are compliant with the prerequisites defined in NFPA 1403.			
The firefighter applicant will comply with the Vt. Fire Service Training Council's Respiratory Protection Policy with respect to absence of facial hair beneath the facepiece seal. I certify that the listed applicant is a member of our fire department/agency, is at least 18 years of age, has the above indicated prerequisite training, and is covered by Worker's Compensation Insurance. Non-affiliated students shall provide proof of insurance.			
Authorized Signature (Chief or Authorized Fiscal Agent):		Date:	
- OFFICE USE ONLY -			
Date Received:	Approved:	Denied:	Entered: