

MN State Fire/EMS/Rescue School-Rochester

*At the Heintz Center
1926 College View Road
Rochester, Minnesota 55904*

Sponsored By:



**In cooperation with
Rochester Community & Technical College**



*Saturday and Sunday
April 6-7, 2019*

All classes approved by Minnesota Board of Firefighter Training and Education

4-HOUR SATURDAY A.M. COURSES

101 Considerations for Today's Fire Attack.....NFPA 1021

FOR: All Fire Service Personnel

OBJECTIVE: With new information happening almost daily, the fireground is evolving more than ever before, and scientific findings have been enhancing our procedures and should be changing the way we fight these fires. Terms like Flow Paths, Vent/Enter/Isolate/Search, Transitional Attack, SLICE-RS are just a few of the new ways the fire service is applying this knowledge. This course will examine these terms, tactics and strategies so you can determine how you could apply these to help your own department when responding to today's fires.

102 First 5 Minutes Determines the Next 5 Hours.....NFPA 1561

FOR: All Fire Service Personnel—**NEW CLASS**

OBJECTIVE: The strategic/tactical decisions of the first-arriving officer often determine fireground success. This session takes an in-depth look at decision making in the first few minutes, revealing decision “tipping” points on pinpointing problems, evaluating resource requirements, and determining options in setting your plan in motion.

- Twenty-first century solutions to the challenges of the new fireground
- Reducing risk to firefighters while maintaining aggressive approach to strategy and tactics
- Recent NIOSH, NIST and UL research findings are applied to case studies

103 Hoarding Fires: Piles of DangerNFPA 1021

FOR: All Emergency Response Personnel

OBJECTIVE: A&E's popular show, Hoarders has brought the growing problem of hoarding to light. The show may be entertaining to some, but firefighters in particular need to pay attention. Fires in hoarding residences are killing occupants and firefighters across the country and these residences exist in nearly every community, including yours! What firefighters see initially may not reveal the true nature of the problem. This class will discuss the long burns and ventilation limited fires that occur in hoarder fires. We will also cover the tactical changes needed when determining to fight this fire offensively or defensively.

104 "Fire in the Small Box" Small Scale Fire Behavior DemoNFPA 1021

FOR: All Fire Service Personnel PPE Not Required, but dress for outdoor weather

OBJECTIVE: This class is a small scale structure Live Fire demo dealing with different Flow paths similar to what is experienced in today's structure fires. Students will see first hand examples of the effect of Ventilation on a working structure fire, Fuel Limited vs Vent Limited fires, Legacy vs Modern Fuels, Rollover, Flash over, Back draft, and the effects of door control on Fire Growth. Atmospheric Monitoring will be conducted and discussed during the burn along with coordinating Ventilation with Fire Attack, and Fire ground Strategies and Tactics. (Complies with 2019 prerequisite for Live Fire Training.)

105 Extrication Update.....NFPA 1670

FOR: All Emergency Response and EMS Personnel

OBJECTIVE: Improvements in automobile design and safety in recent years have made it increasingly difficult for rescue personnel to stay current with the latest in automotive technologies. The same features that make occupants safer create additional challenges for responders. This presentation addresses automobile frame construction, supplemental restraint systems, side impact reinforcement bars, new body materials, and hybrid and alternative fueled vehicles and provides information and options on how to deal this new technology.

This class is packed with new information. Many of the fire departments that have seen this presentation state “This class is a must for all emergency personnel responding to vehicle accidents!”

106 Firefighter Cancer AwarenessNFPA 1500

FOR: All Fire Service and EMS Personnel

OBJECTIVE: Leaders are tasked with taking care of their people in all aspects of the job. One of those jobs is protecting them from the number one killer of firefighters. In 2017, 74% of all firefighter deaths in the United States were cancer related. How are you and your Department doing with your cancer prevention plan? Be a leader. Play an active role in changing the culture of the fire service before we have to plan another firefighter funeral due to cancer.

4-HOUR SATURDAY P.M. COURSES

201 2019 Prerequisite for Live Fire Training..... NFPA 1403(4.3.2)

FOR: All Emergency Response Personnel—**NEW CLASS**

OBJECTIVE: Students will obtain the knowledge, skills, and abilities required to participate in live fire training. Participants will discuss and review safe practices on the training ground and participate in classroom exercises designed to isolate the hazards of Live Fire training. Topics include fire dynamics, health and safety, fundamentals of fire behavior, fire development in a compartment, nozzle techniques, and door control. (This class is similar in content to Fire in a Small Box without the demonstration component.)

202 Fire Down Below: Basement Fires 2.0NFPA 1021

FOR: All Fire Service Personnel

OBJECTIVE: One of the more challenging calls firefighters respond to involve a basement fire. Properly identifying common basement fire indicators are a critical factor for the first arriving companies. The students will better understand the importance of rapid, coordinated fire suppression, search, and ventilation operations during a basement fire. The class will describe key components of an effective, task oriented incident size up and will illustrate the major safety concerns facing firefighters operating at a basement fire.

203 Is this Arson?.....NFPA 1033

FOR: All Fire Service Personnel

OBJECTIVE: This class will discuss various issues regarding the initial response to fires. Many clues for fire cause determination including arson are evident during the first few minutes of a fire response and during the investigative process. Students will learn what to be aware of during a fire incident that could be vital information for arson detection.

204 Fire Service UAV's (Drones): What You Need to KnowNFPA 2400

FOR: All Fire Service Personnel

This presentation will give the student an overview of information needed if they are interested in purchasing a UAV (drone) for use in the Fire Service. If you still call it a “drone” you need to take this class.

Topics covered:

- Basics of UAV uses and options
- FAA rules, regulations and registration
- Civil vs. Public use
- FAA Part 107 UAS Pilot Certification basics
- Air space use, waivers and authorizations
- UAV demonstration flight, dependent on weather

205 Garage Fires – Dangers Behind the Door.....NFPA 1021

FOR: All Fire Service Personnel

Inside any garage is a world of unknowns as far as content is concerned. A vehicle would be the logical and expected choice, but this is not always the case. Garages have become more than just a vehicle storage space. They have become a storage space for the homeowner, or they have become a converted office space or workshop. Regardless of what the use is, some hidden dangers are lurking inside, waiting for firefighters. This class will cover the different garage designs and the Fire spread hazards they pose when on fire. It will also point out the numerous hazards that could be encountered when responding to these fires along with helpful tactics that could be used to extinguish these fires more safely.

206 Rescue from Storage Grain BinsNFPA 1670

FOR: All Emergency Response Personnel—**NEW CLASS**.....Bring Full Turnout Gear

OBJECTIVE: This course will cover: safety, how to make entry in accordance with OSHA Standard 1910.146, use of ropes and harness, atmospheric testing, vertical and horizontal entry, rescue of buried victims, breaching bin walls, and victim recovery. **There will be realistic hands-on training utilizing a grain bin training prop.**

207 Commanding the 21st Century Fireground: Key Concepts for Firefighter Safety

NFPA 1001, 1021, 1410 & 1561

FOR: Critical Decision Makers on the Fireground. Applicable to All Fire Service Personnel – **NEW CLASS**

OBJECTIVE: This program explores the concept of tactical discipline, the practice of deploying your resources based upon a realistic assessment of the existing and predicted fire environment. Tactical discipline is a fireground decision making approach which consists of three key considerations; staffing, “combat intelligence” and science. Fireground decision making is achieved through an analysis and application of these three elements to reach a rational, conscious and risk averse action plan. Tactical discipline offers a balance between aggressive fireground strategies and safety, while reducing risk to our first responders. Illustrative case study, a review of fire behavior research and its impact on the “modern” fireground, as well as experiential learning promote student engagement and learning.

This session will improve the participant’s practical application of effective risk based decision making when determining fireground strategy. A practical decision making approach is forwarded, offering alternative tactical choices based upon the tactical discipline doctrine. Twenty-first century solutions to the challenges of the new fireground will be presented, focusing upon the importance of reducing risk to our firefighters while maintaining an aggressive approach to strategy and tactics. Recent NIOSH, NIST and UL research findings are applied to line-of-duty-death case studies to reinforce key learning’s. Insight into finding a balance point between aggressiveness and safety will be promoted. Participants will be able to immediately apply key learning’s to their respective agency’s operational approach.

4-HOUR SUNDAY A.M. COURSES

301 Fire Down Below: Basement Fires 2.0NFPA 1021

FOR: All Fire Service Personnel

OBJECTIVE: One of the more challenging calls firefighters respond to involve a basement fire. Properly identifying common basement fire indicators are a critical factor for the first arriving companies. The students will better understand the importance of rapid, coordinated fire suppression, search, and ventilation operations during a basement fire. The class will describe key components of an effective, task oriented incident size up and will illustrate the major safety concerns facing firefighters operating at a basement fire.

302 Top Ten Fire Scene Mistakes and How to Avoid Them.....NFPA 1670

FOR: All Fire Service Personnel

OBJECTIVE: Every year, over 100 fire fighters are killed and scores more are injured on the fire ground. Interestingly, virtually every one of these deaths or injuries can be placed into ten categories that can best be described as common mistakes. This class will overview these “top ten” fire scene mistakes and will offer solutions to reducing these common problems.

304 "Fire in the Small Box" Small Scale Fire Behavior DemoNFPA 1021

FOR: All Fire Service PersonnelPPE Not Required, but dress for outdoor weather

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FOR: All Emergency Response Personnel

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308 Todays Vehicle FiresNFPA 1021

FOR: All Fire Service and EMS Personnel Bring Full Turnout Gear and SCBA

OBJECTIVE: Car fires happen often and with vehicle construction and vehicle safety features changing every year it is important to keep current on fire suppression tactics. Airbags, struts and the new metals are just a couple of the hazards we face. This class will make you aware of the many new dangers associated with car fires and give some alternative approaches to make this fire event a much safer one. Students will be instructed on the proper techniques in the response to vehicle fire emergencies, including engine fires, forward passenger compartment fires and rear passenger compartment fires. This class is a combination of classroom and hands on training using a live car fire simulator.

8-HOUR SATURDAY COURSES

401 Riding the Right Front Seat.....NFPA 1021

FOR: All Fire Service Personnel

OBJECTIVE: With today’s staffing limitations, young officers often lack the experience or an on-scene command officer to make critical initial fire ground decisions. This workshop teaches the process of how to apply information gathered during response and size-up to make initial strategy decisions based on fundamental risk analysis principles. It was developed to provide young company officers with a template for taking size-up information, comparing it against risk-benefit analysis. Students will receive practical, field-tested guidelines to help them complete that analysis. The result will be sound strategic decision making in the first five minutes, the most critical time frame for any incident.

402 Modern Fire Attack/SLICERS.....NFPA 1021

FOR: All Fire Service Personnel

OBJECTIVE: This course will examine the most practical tactics and strategies being used today, and illustrate how to apply them during fire attack. The fire ground is evolving more than ever before, and various studies have enhanced our procedures and theories. This class presents different tasks and tactics that can be used to extinguish fires that are burning in today’s modern residential and commercial structures. Using case studies and practical experience, students will examine fallacies that have led to firefighter injuries and deaths. This course will discuss the Governors Island, Spartanburg, and Horizontal Ventilation Studies that have changed modern day fire attack.

403 I’m the Training Officer, Now What?NFPA 1021

FOR: Training Officers or those who aspire to be Training Officers

OBJECTIVE: So you're in charge of training/drills for your department, now what? This class is designed to assist those who are required to plan different meaningful ideas for training sessions. The class will help you keep your people interested and enthusiastic about in-house training. Various available resources will be discussed.

404 Search and Rescue in Today’s Fire EnvironmentNFPA 1021

FOR: All Fire Service and EMS Personnel– **NEW CLASS**Bring Full Turnout Gear and SCBA

OBJECTIVE: Students will review current studies of modern fire behavior and dynamics, reading smoke and identifying possible flow paths and the impact they can have on search and rescue tactics. Emphasis will be placed on recognizing when and where search and rescue tactics may most likely be attained safely, using Vent, Enter, Isolate, Search “VEIS” versus traditional search methods. This class will involve classroom followed by hands-on search and rescue evolutions.

405 Firefighter I Certification ReviewNFPA 1001

For Certification Participants (*no prerequisites*)

OBJECTIVE: Firefighters who are going to take the certification test on Sunday and want to refresh their knowledge and skills prior to taking the exam.

Reference book list and more info on Firefighter I Certification Test can be found online at www.mfscb.org

406 Firefighter II Certification Review.....NFPA 1001

FOR: Certification Participants (***Must hold current Firefighter I Certification***)

OBJECTIVE: Firefighters who are going to take the certification test on Sunday and want to refresh their knowledge and skills prior to taking the exam.

Reference book list and more info on Firefighter II Certification Test can be found online at www.mfscb.org

407 Fire Instructor I Review.....NFPA 1041

FOR: Officers, Training Officers and Future Instructors

OBJECTIVE: This course will help prepare you to take the Fire Instructor I Certification Test. The test is based on knowledge and skills as outlined in NFPA 1041 Standard for Professional Qualifications for Fire Instructor I. This course will reinforce methodology and teaching techniques.

Reference book list and more info on Fire Instructor I Certification Test can be found online at www.mfscb.org

12-HOUR SATURDAY & SUNDAY COURSES

500 Advanced Auto Extrication.....NFPA 1670

FOR: All Fire and Rescue Personnel.....501

OBJECTIVE: Learn about “new” extrication tools, hydraulic equipment, tools and techniques from instructors with international exposure. Covered in the classroom is safety and correct tool handling. An important segment of this class is an extensive hands-on skill practice utilizing realistic scenarios. Learn vehicle stabilization, basic and advanced extrication techniques, new vehicle features and patient care during extrication. **This class has both classroom and hands-on training.**

501 Advanced Rope Rescue.....NFPA 1670

FOR: Members of all Emergency Services Organizations

Special Pre-requisites: Proof of pre-requisites required: Fax or enclose copy of High Angle Rope Rescue Operational Block I OR comparable Basic Rope Rescue course certificate through an accredited training program. Procedures for:

- Safe construction of multi-point anchor systems • Converting from lowering to hauling operations
- Selection, construction and use of high line systems • Patient packaging
- Litter attendants in low and high angle environments
- Students participate in high-line rope system skills to simulate the rescue of a victim

BRING: lace boots with ankle support. Clean pair of single layer leather gloves. Helmet (fire helmet not acceptable) such as hardhat or climbing style with chinstrap and with eye protection. Students may use their own harnesses upon approval of the instructor. Clothing should be loose fitting and long hair should be secured to prevent entanglement. Dress according to the weather.

502 Preparation for Initial Company Operations (formerly MCTO:P)..... NFPA 1021

FOR: All Fire Service Personnel - *This is a National Fire Academy Course.*

OBJECTIVE: This course is designed to develop a better understanding of the role 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.

503 Strategy and Tactics for Initial Company Operations (formerly MCTO:T)..... NFPA 1021

FOR: All Fire Service Personnel *This is a National Fire Academy Course.*

OBJECTIVE: This course is designed to develop skills needed to accomplish assigned tactics at structure fires. The student will select the appropriate tactics based on risk/benefit for Rescue, Ventilation, Confinement, Extinguishment, Overhaul and Salvage; taking in the considerations of Water Supply using the proper Incident Command System.

504 Basic Fire Pump Operations.....NFPA 1002

FOR: Firefighter/Fire Apparatus Operators..... Bring Full Turnout Gear

OBJECTIVE: Introduces students to fire pump theory inside and out, proper use of pump parts and accessories (staging valve, relief valve, primer, road/pump shift, etc.). Introduces students to fundamentals of hydraulics, water supplies, water flows, and hydraulic terms. Introduces student to preventive maintenance, proper operations, reports, and record keeping. Fire Ground Hydraulics: Hands On Evolutions: Drafting and Water Jetting, Pre-connected Hose Lays, Valves (Long/Short Hose Lay Simultaneous), Staging and/or Transfer Valve Capacity Pumping. **This class has both classroom and hands-on training.**

505 Advanced Pump Operations.....NFPA 1002

PREREQUISITE: Basic Pump Operations Course

FOR: All Fire Service Personnel Bring Full Turnout Gear

OBJECTIVES: Students will learn the value of large diameter hose and proper use of equipment to supply volumes of water, multiple hose lines, and tandem pumping. Students will review basic hydraulics, relay pumping, water movement and flow and learn advanced skills.

This class has both classroom and hands-on training.

506 New Firefighter Orientation to Fire Behavior, Safety, PPE/SCBA, Ladders & HoseNFPA 1001

FOR: All Fire Service Personnel Bring Full Turnout Gear and SCBA

OBJECTIVE: This class is designed as an orientation to Fire Behavior, Safety, PPE/SCBA, Ladders & Hose until the student can enroll in the full Fundamentals of Firefighting program. **This class has both classroom and hands-on training.**

507 Leadership I = Strategies for Company Success.....NFPA 1021

(Decision Making Styles, Identifying Needs and Problems Solving Problems, Running a Meeting)

FOR: All Fire Service and Law Enforcement Personnel - ***This is a National Fire Academy Course***

OBJECTIVE: This National Fire Academy course presents the company officer with the basic leadership skills and tools needed to perform effectively in the fire service environment. This course includes: techniques and approaches to problem solving, ways to identify and assess the needs of the company officers subordinates, methods for running meetings effectively in the fire service environment, and decision-making skills for the company officer.

508 Leadership II = Strategies for Personal Success.....NFPA 1021

(Managing Multiple Roles, Creativity, Enhancing Your Personal Power, Ethics)

FOR: All Fire Service and Law Enforcement Personnel - ***This is a National Fire Academy Course***

OBJECTIVE: This National Fire Academy course provides the company officer with the basic leadership skills and tools needed to perform effectively in the fire service environment. This 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.

509 Leadership III = Strategies for Supervisory Success.....NFPA 1021

(Situational Leadership, Delegating, Coaching, Discipline)

FOR: All Fire Service and Law Enforcement Personnel - ***This is a National Fire Academy Course***

OBJECTIVE: This National Fire Academy course provides the company officer with the basic leadership skills and tools needed to perform effectively in the fire service environment. This course covers when and how to delegate to subordinates, assess personal leadership styles through situational leadership, how to discipline subordinates, and apply coaching/motivating techniques.

SUNDAY AM CERTIFICATION TESTS

A completed application at www.mfscb.org and prepayment is required before taking any of the certification tests. For further info on these certification tests contact the Minnesota Fire Service Certification Board 2704 Hwy 10 NE, Mounds View, MN 55112 Phone 866-566-0911

601 Certification Test FF1.....NFPA 1001
FOR: Certification Participants..... Full Turnout Gear and SCBA (Must meet MN-OSHA Standards)
Cost of test: \$115.00 (send checks directly to certification board)

602 Certification Test FF2.....NFPA 1001
Proof of Prior Firefighter I Certification is required.
FOR: Certification Participants..... Full Turnout Gear and SCBA (Must meet MN-OSHA Standards)
Cost of test: \$115.00 (send checks directly to certification board)

603 Certification Test Fire Instructor INFPA 1041
FOR: Certification Participants
Cost of test: \$115.00 (send checks directly to certification board) a completed application is required before the test can be taken. The candidate must have the knowledge as outlined in NFPA 1041, Standard for Professional Qualifications for Fire Instructor I. No prior certification is required.

Registration Information *MN State Fire/EMS/Rescue School-Rochester* *April 6-7, 2019*

We ask that participants pre-register so that all arrangements can be made for class space and instructors. Refreshments for noon lunch and breaks will be provided at the school site. Any cancellation must be provided **5 days prior** to the start of class (5:00 p.m. on March 31). If no notification of cancellation is given in accordance with our policy, you or your department will be responsible for the course fees.

The 2019 Course Fees:

- \$ 150.00 for 12 hours of education
- \$ 120.00 for 4 or 8 hours of education

Register On-Line @

<http://www.riverland.edu/fireschool/>

Mail, Fax or E-mail Registration To:

Riverland Community College
Attn: Fire Training Office
1900 NW Eighth Avenue
Austin, MN 55912
Fax # 507-434-7388

annette.huffman@riverland.edu

Make Checks payable to: Riverland Community College, Fire Training



MN STATE FIRE/EMS/RESCUE SCHOOL – Rochester April 6-7, 2019

Riverland Community College, Attn: Fire Training Office, 1900 Eighth Avenue NW, Austin, MN 55912

PHONE 800-247-5039 FAX 507-434-7388

Department Name: _____ Chief's Name: _____

Address: _____ City: _____ St.: _____ Zip: _____

Station Phone: _____ Station Fax: _____

Contact Person: _____ Rank: _____

Day Phone: _____ Night Phone: _____ Fax: _____

E-Mail: _____

Send Invoice To: _____ City: _____ St.: _____ Zip: _____

Payment Enclosed..... I Will Bring Payment

Bill my Department or Agency I Am Paying Personally

Please indicate the COMBINATION of courses for your 1st, 2nd, 3rd choice

Name (Please Print)	Home Phone #	Your Choices	Sat AM	Sat PM	Sun AM	8 hrs	12 hrs
	SS#	Combination #1					
Student Home Address		Combination #2					
		Combination #3					
Name (Please Print)	Home Phone #	Your Choices	Sat AM	Sat PM	Sun AM	8 hrs	12 hrs
	SS#	Combination #1					
Student Home Address		Combination #2					
		Combination #3					
Name (Please Print)	Home Phone #	Your Choices	Sat AM	Sat PM	Sun AM	8 hrs	12 hrs
	SS#	Combination #1					
Student Home Address		Combination #2					
		Combination #3					

Special Note: NO FACIAL HAIR that interferes with SCBA use will be allowed for students participating in classes where SCBA is required.

TIME SCHEDULE

Saturday – April 6, 2019

7:00 – 8:00 Registration
8:00 – 12:00 Classes in Session
12:00 – 1:00 Lunch
1:00 – 5:00 Classes in Session

Sunday - April 7, 2019

7:00 – 8:00 Registration
8:00 – 12:00 Classes in Session

SPONSORED BY:

**Riverland Community College
in cooperation with
Rochester Community & Technical College**

All students - Registration at:
Rochester Community & Technical College
1926 College View Road
Rochester, Minnesota 55904

Classes held at:
Rochester Community & Technical College

FOR INFORMATION CALL, FAX, OR E-MAIL

Wanda Staska, Fire & EMS Training Program Manager or
Annette Huffman, Fire & EMS Training Administrative Assistant
1-800-247-5039 or 507-433-0615
FAX: 507-434-7388
wanda.staska@riverland.edu
annette.huffman@riverland.edu

LODGING

Country Inn & Suites South – 507-287-6758

Country Inn & Suites North – 507- 285-3335

Comfort Suites - 507-424-2720

Hampton Inn North—507-289-6100

Microtel Inn & Suites North—507-286-8780

Microtel Inn & Suites South—507-405-5936