



May 18-19, 2024
S.C. State Fire
141 Monticello Trail
Columbia, SC 29203

*South Carolina's Premiere Fire-Rescue
Special Operations Conference*

Registration: Register for each class via the registration form attached. Email the completed form as a PDF attachment to amy.williamson@lfr.sc.gov

Fee: The non-refundable conference fee is \$50, and is billed at the time of registration. This fee includes 16 hours of training, as well as breakfast and lunch in the cafeteria Saturday and Sunday. Dinner is on your own.

Dormitory: The dormitory on campus is full for this event, as of December 27, 2023. Please visit: [Partner Hotel Information](#)

WEEKEND LEARNING AGENDA

OPENING SESSION: Join us Saturday, May 18th at 8 a.m. in the Denny Auditorium for the opening session prior to classes starting.

Dates/Times	Class Name and Description	Prerequisites	Bring to Class
Saturday and Sunday May 18-19 8:30 a.m.-5:30 p.m.	Cell Tower Safety and Rescue for Emergency Responders 16-hour course, hands-on Instructor: Matthew Surface This course introduces emergency responders to communication structures and working at elevated heights. From stranded or injured workers, to thrill seekers and the general public, emergency responders must be prepared to assist individuals who require rescue from elevated structures while understanding the general hazards and how to protect themselves and fellow responders. <i>Note: Students will be traveling off-campus for the hands-on training.</i>	3316-High Angle Rope Rescue	Hard hat, safety glasses, gloves for rope work, work boots

CLASS IS FULL

Dates/Times	Class Name and Description	Prerequisites	Bring to Class
Saturday and Sunday May 18-19 8:30 a.m.-5:30 p.m. CLASS IS FULL	Fire Service Elevator Rescue 16-hour course, hands-on Instructors: Samuel Clark and Timothy J. Wolcott-Clark Fire & Safety Training, LLC Hazard recognition and risk management are a central theme throughout this course, which covers Awareness and Operations level knowledge and skills. Awareness includes an introduction to ASME A17.4 Guide for Emergency Personnel, best practices, drive systems, common elevator components, related codes/standards (to include IBC/IFC 2018 with regard to Fire Service Access Elevators), and occupant evacuation elevators in high-rise buildings. The hands-on portion of the class will cover power control, opening of hoist way doors and car doors, door restrictors, and Fire Service Phase I and II controls and operation. <i>Note: Students will be traveling off-campus for the hands-on training.</i>	1153/4501-Firefighter I	Head, hand, and foot PPE, eye protection
Saturday and Sunday May 18-19 8:30 a.m.-5:30 p.m. CLASS IS FULL	Advanced Artificial High Directional (AHD) Workshop 16-hour course, hands-on Instructors: Russell McCullar and DJ Walker-Craft Rescue This course offers students definitive instruction on the deployment, capabilities, and limitations of various AHDs. These include advanced anchoring, knot craft, and back ties. Topics include the use and deployment of CMC AZ Vortex, SMC Terradaptor, and lashed wooden frames. Progression of frames begins with mono-pod variations and progresses through bipod and tripod configurations. Student-requested advanced frame sets may include the use of AZ Doortex, floating frames, tension-supported SA frames, AZ Floortex, V-frames, and other requested variants.	3316-High Angle Rope Rescue	PPE to include helmet, gloves, and harness
Saturday, May 18 8:30 a.m.-5:30 p.m. or Sunday, May 19 8:30 a.m.-5:30 p.m.	Grain Bin Rescue - Awareness Level Training Eight-hour course, hands-on Instructors: Eric Rickenbach, Matthew Brett, Will Glover, Richard Garber-Rescue Techs This awareness-level program gives emergency responders information on the planning for and the initial management of grain bin-related emergencies. It also gives responders an understanding of how and why people enter bins and become entrapped/engulfed. Students will learn how agricultural grain bins are constructed. They will also have an opportunity to tour a facility and experience walking in grain. The program helps responders identify challenges they may face during this type of incident and provides them with the proper steps to follow for a successful rescue operation. This training will include an introduction to grain bin rescue devices and their use, and allow students to practice their use. <i>This program is provided with the support of Clemson Extension Services.</i> <i>Note: Students will be traveling off-campus for the hands-on training.</i>		PPE to include helmet, safety glasses, gloves, long pants, long sleeve shirt, and sturdy footwear. No sneakers, open-toed shoes, etc. No structural PPE.

Dates/Times	Class Name and Description	Prerequisites	Bring to Class
Saturday, May 18 8:30 a.m.-5:30 p.m. CLASS IS FULL	Taming The Tiger-Tactics and Response For Anhydrous Ammonia Eight-hour course, hands-on Instructor: David Binder-Tanner Industries, Inc Get prepared to handle ammonia incidents from start to finish, beginning with an overview of anhydrous ammonia properties, transportation/containers, types of releases, trouble shooting incidents, and response recommendations; control and containment tactics from offensive and defensive perspectives. Lessons learned will be discussed through brief illustrations of case histories involving stationary facilities and transportation incidents as well as live release training footage. Following a safety briefing and drill prep, the second half of the day will be on the drill field with live agent (anhydrous ammonia) release training, primarily performing tarp and cover operations for control and containment.	2723-HazMat Technician	Structural Firefighting Gear
Sunday, May 19 8:30 a.m.-5:30 p.m. CLASS IS FULL	Building the Plane As We Fly It: Li-Ion Batteries In Practice Eight-hour course, hands-on Instructor: Steve Kotlarchyk-The HazMat Guys Productions Nearly every day we hear news of battery incidents. No place on Earth has been experiencing more than New York City. Take a journey with the ones on the ground handling these types of incidents. Students will learn how the process has evolved, what these responders are currently doing, and where this is going.		
Saturday, May 18 8:30 a.m.-12:30 p.m. or Saturday, May 18 1:30 p.m.-5:30 p.m.	Anatomy of a Mass Casualty Incident Four-hour lecture Instructor: Alan Elam-Special Operations Aid & Rescue, Ltd Mass casualty incidents (MCI) are unique in that the overall organization and medical care are vastly different from managing routine calls. Managing care during an MCI is quickly becoming a subset of prehospital medicine. Many public safety personnel have never participated in an MCI training event and must learn to manage those unique factors to be able to properly respond to the threats currently facing the public.	IS 100, 200, 700, & 800	
Saturday, May 18 8:30 a.m.-12:30 p.m. or Saturday, May 18 1:30 p.m.-5:30 p.m.	Bound Up: A Machine Extrication Four-hour lecture Instructors: Micah Rains and Aaron Dix-Palmetto Fire Tactics Multiple emergency agencies in the Upstate of South Carolina joined together on April 20, 2020, to perform a once-in-a-career rescue. This unique rescue involved a patient entrapped up to his waist by a concrete auger bit. More than 60 personnel responded to the call including multiple fire agencies, two EMS agencies, a trauma team, and many others. This presentation will present a case study of what went right and wrong on this call. Perspectives will be given on the complexity of the rescue, the medical treatment, and the tactics used. The information and lessons learned can be utilized for any low-infrequency yet high-risk rescue response.		

Dates/Times	Class Name and Description	Prerequisites	Bring to Class
Sunday, May 19 8:30 a.m.-12:30 p.m. or Sunday, May 19 1:30 p.m.-5:30 p.m.	Ready to Rescue: Considerations for Minimum Staffed Departments Four-hour lecture Instructors: Patrick Doyle and Jay Dixon This lecture will discuss considerations for minimum-staffed departments dealing with significant rescue incidents. The “Ready to Rescue” lecture examines an ice water rescue close call the instructors experienced and discusses lessons learned that cross all rescue disciplines.		
Sunday, May 19 8:30 a.m.-12:30 p.m. or Sunday, May 19 1:30 p.m.-5:30 p.m.	First Due HazMat Four-hour lecture Instructor: Joshua Waddell Upon arrival at an incident, the first 10 minutes are critical. This class will help students think through the jobs and goals of the first arriving units during this time. They will also learn how to recognize potential HazMat involvement, be aware of chemical and physical properties as well as any packages and containers, better understand available resources, and learn how to utilize those resources.	2728-HazMat Operations	
Sunday, May 19 8:30 a.m.-12:30 p.m. or Sunday, May 19 1:30 p.m.-5:30 p.m.	Floating to Victory: Fire Department Flood Rescue Operations Four-hour lecture Instructor: Kevin Manhardt and Andrew Miller Each year, fire departments are faced with the ever-increasing threat of rising floodwaters. The changing climate and landscape have led to more occurrences of Main Street USA being overcome with rising waters. As a result, the average fire department needs specialized equipment to bring neighbors to safety. This course will share the implementation, outfitting, and operations of a flood rescue team for the local fire department. We will also discuss lessons learned and best practices from several recent storms, including Hurricane Florence. Flood rescue strategies and tactics will be shared to help sharpen the skills of the fire company and lead to a successful operation.		

Questions? Email amy.williamson@llr.sc.gov

SOCON-Special Operations Conference

May 18-19, 2024



Registration Form: 8690-24001

Registration Fee: \$50: non-refundable, billed to agency at the time of registration

Registration Deadline: Tuesday, April 30, 2024

Email this completed form as a PDF attachment to amy.williamson@llr.sc.gov

SCFID: _____

Last Name: _____ First: _____ Initial: _____

Street: _____

City: _____ State: _____ ZIP: _____ County: _____

Date of Birth: _____ Phone: _____

Email Address: _____

FDID #: _____ Fire Department: _____

DORM REQUEST *The dormitory on campus is full for this event, as of December 27, 2023.*

OPENING SESSION: Join us Saturday at 8 a.m. in the Denny Auditorium for the opening session prior to classes starting.

Any required prerequisites must be listed on your SC Fire Academy transcript at the time of registration.

Saturday Courses (select a 16-hour course, one 8-hour program, or two 4-hour programs)

CLASS FULL	8780-24001	Cell Tower Safety (16 hours)
CLASS FULL	8798-24001	Elevator Rescue (16 hours)
CLASS FULL	8822-24001	Artificial High Directional (16 hours)
	8796-24001	Grain Bin Rescue (8 hours)
CLASS FULL	8821-24001	Taming the Tiger (8 hours)
CLASS FULL	8790-24001	Anatomy of a Mass Casualty Incident (4 hours-morning)
	8790-24002	Anatomy of a Mass Casualty Incident (4 hours-afternoon)
	8793-24001	Bound Up: A Machine Extrication (4 hours-morning)
	8793-24002	Bound Up: A Machine Extrication (4 hours-afternoon)

Sunday Courses (select a 16-hour course, one 8-hour program, or two 4-hour programs)

ABOVE	8780-24001	Cell Tower Safety (16 hours)
ABOVE	8798-24001	Elevator Rescue (16 hours)
ABOVE	8822-24001	Artificial High Directional (16 hours)
CLASS FULL	8795-24001	Building the Plane As We Fly it (8 hours)
	8796-24002	Grain Bin Rescue (8 hours)
	8791-24001	Ready to Rescue (4 hours-morning)
	8791-24002	Ready to Rescue (4 hours-afternoon)
	8792-24001	First Due Hazmat (4 hours-morning)
	8792-24002	First Due Hazmat (4 hours-afternoon)
	8794-24001	Floating to Victory (4 hours-morning)
	8794-24002	Floating to Victory (4 hours-afternoon)

Agreement and Waiver / Liability Release

- In consideration for participating in SC Fire Academy training, I hereby release, indemnify, and covenant not to sue the SC Fire Academy, SC Department of Labor, Licensing and Regulation, the State of South Carolina, their officers, agents or employees (Releasees) as well as any other students or instructors from any and all liability, claims, cost and causes of action arising out of or related to any property damage or personal injury, including death, that may be sustained by me, while participating in such activity, or while on the premises owned, leased or used by Releasees. I acknowledge the training involves physically strenuous activities in which I am capable of fully participating. I know of no physical or mental condition that would preclude my full participation in the training.
- I certify the information on this registration form is correct. I agree to abide by the rules, policies, and regulations of the South Carolina Fire Academy. I understand falsifying information or violating rules or procedures may result in me being denied admission to the course and/or loss of course credit.
- I authorize the release of any information concerning my enrollment and completion of SCFA courses to me, my fire chief, or my department training officer.
- I understand the South Carolina Fire Academy is not authorized to provide travel, medical, nor health insurance. I verify that I (or my agency) maintain appropriate and necessary coverage, and I understand that I (or my agency) will be responsible for any medical expenses I may incur as a result of my participation in this program.
- I understand the nature of the tasks I may perform while involved in this training may require a high degree of physical fitness, agility, and dexterity, and this may include rigorous exercises which require physical fitness, strength, and stamina. I am fully aware of the risks and hazards associated with fire, rescue and hazardous materials training, including but not limited to burns, heat stroke, heart attack, heat exhaustion, falls and other related injuries, and I choose to voluntarily participate in the activity with full knowledge that said activity may be hazardous to me and my property.
- By signing this release, I acknowledge I have read and understand the Release and I am at least 18 years of age and fully competent and a member of a legally organized fire department, fire brigade, fire related business or emergency response organization.
- By registering for this course, I hereby give the South Carolina Fire Academy permission to reproduce and publish my name and/or photographic likeness.

Required Signatures:

Student/Date

Fire Chief or Designee/Date