



South Carolina's Premiere Fire-Rescue Special Operations Conference

presented by the
 South Carolina Fire Academy
 Columbia, S.C.
April 26-27, 2025

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

NOTE: All prerequisites must be listed on the student's SC Fire Academy transcript.

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: If you would like to stay on campus, the Academy dormitory is \$25/night, double occupancy. Request your room on the attached registration form. Prefer to stay off-site? VISIT: [Partner Hotel Information](#)

WEEKEND LEARNING AGENDA

OPENING SESSION Join us Saturday, April 26 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 April 26-27 8 a.m.-5 p.m.	<p>Tactical Emergency Medical Support: Active Threat Response 16-hour course, hands-on Instructors: Valkyrie Tactical Solutions</p> <p>Tactical Emergency Medical Support (TEMS) for active threat response involves integrating Fire and Emergency Medical Services into tactical operations. This multi-agency training program is designed to develop, refine, and produce successful Rescue Task Force Teams and TEMS Operators. By bridging the gap, we bring together all agencies as "1 Team, 1 Fight." Students will learn tactics and concepts to prepare for active shooter incidents and acts of violence. We use lessons learned from our military and apply them to the civilian world of Tactical Medicine. Medical skills are from TCCC, TECC, and Combat Life Saver.</p>	n/a	Water Source, Rescue Task Force Gear (optional)

Dates/Times	Class Name and Description	Prerequisites	Bring to Class
Saturday and Sunday April 26-27 8 a.m.-5 p.m.	<p>Fire Service Elevator Rescue 16-hour course, hands-on Instructors: Clark Fire & Safety Training, LLC</p> <p>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.</p> <p><i>Note: Students must provide their own transportation off-campus for the hands-on training.</i></p>	1153/4501- Firefighter I	Water Source Head, hand, foot PPE, eye protection, No shorts or open-toe shoes. No PPE needed for Day 1 classroom
Saturday and Sunday April 26-27 8 a.m.-5 p.m.	<p>Advanced Artificial High Directional (AHD) Workshop 16-hour course, hands-on Instructors: Craft Rescue</p> <p>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 using and deploying 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.</p>	3316-High Angle Rope Rescue	Water Source PPE to include helmet, gloves, and harness
Saturday <u>or</u> Sunday April 26 <u>or</u> April 27 8 a.m.-5 p.m.	<p>Rigging and Rescue from Scaffolding 8-hour course, hands on Instructors: RNR Rescue</p> <p>Grounded in OSHA's construction scaffold standards, the program explores the complexities of scaffold design, assembly, disassembly, and usage, while focusing on the critical aspects of rope rigging forces and scaffold modification for rescue scenarios.</p>	3316-High Angle Rope Rescue	Water Source Rope gloves, any personal harness, etc.
Saturday April 26 8 a.m.-5 p.m.	<p>Rescues Gone Wrong 8-hour course, hands on Instructors: Capital Technical Rescue and Safety Consultants, LLC</p> <p>Scenario based training for rope and/or confined space rescue technicians. You will be given a scenario that your team must solve, and once completed, a failure(s) will be induced that your team must work through to bring the scenario to a safe and efficient resolution. The skill sets rescuers need for this program are outside of what most rope rescue courses cover, as they are too heavily team based.</p>	3316-High Angle Rope Rescue	Water Source Rope / Confined Space PPE - helmets, class 3 harnesses, gloves, appropriate footwear

Dates/Times	Class Name and Description	Prerequisites	Bring to Class
Saturday April 26 8 a.m.-5 p.m.	<p>Firefighter Rescue/Saving Our Own FAST Eight-hour course, hands-on Instructor: FAST Rescue Solutions</p> <p>This presentation is the next level in Rescue. It is highly likely a firefighter working on the interior will start, and hopefully complete, the rescue of a downed firefighter. We will discuss a systematic approach to some conventional (and not-so-conventional) techniques to increase the chances of a quick and successful rescue. These include techniques for:</p> <ul style="list-style-type: none"> • How to do a rapid assessment, • Various drags and carries, and • Movements up and down stairs, and much more. <p>These techniques will set up the transition of rescue by an interior crewmember to the interception point where a Hasty Rescue Device (HRD), like the FAST Board, comes into play. This session will then lead to the Basic FAST Board Operations (BFBO). Participants finish the day with firefighter CPR and various rescue scenarios.</p>	n/a	Water Source PPE and SCBA's
Saturday April 26 8 a.m. -12 p.m.	<p>Lightweight Systems for Technical Rope Rescue Four-hour course, hands-on Instructor: Idan Peretz</p> <p>When saving lives, especially in rope rescue, the ability to move fast is critical. To do so, you need to pack small and go as light as possible. Current developments of ropes technologies offer the ability to reduce weight and volume without sacrificing safety or capabilities. In this workshop, students will learn how to downsize the equipment one carries by choosing the right gear. We will focus on using lightweight 8mm rope systems and lightweight portable anchors.</p>	3316-High Angle Rope Rescue	Water source Harness Helmet Gloves
Saturday April 26 8 a.m. -12 p.m.	<p>User vs Operator: Metering Technology at the Street Level Four-hour course, lecture Instructor: SHOT Training</p> <p>By understanding how our meters and sensors interact with the environment, we can better understand what they are telling us. This class covers the main technologies in use today, their applications, limitations and complimentary technologies. Using the FDNY meter cache as a basis for the discussions, we will discuss how and why our meters set us up for success.</p>	n/a	
Saturday April 26 1 p.m.-5 p.m.	<p>Unmanned Solutions for Rescue and Rope Access - Using Drones, New Techniques and New Technologies to Improve Safety and to Save Time During Technical Rescues Four-hour course, hands-on Instructor: Idan Peretz</p> <p>This workshop presents the most up-to-date usage of drones for rigging and remote access for rescue purpose on wilderness and urban rescues. Two main methods will be explained and demonstrated in order to pass a rope between two remote teams and in order to rig an anchor. We will discuss the systems, the teamwork of the pilot and the rope specialists, safety on the field, and use different ways to solve access problems.</p>	3316-High Angle Rope Rescue	Water Source Harness Helmet Gloves

Dates/Times	Class Name and Description	Prerequisites	Bring to Class
Saturday April 26 1 p.m.-5 p.m.	<p>Chemical Physical Properties: <i>Understanding the Science</i> Four-hour course, lecture Instructor: SHOT Training</p> <p>Chemical and Physical Properties drive every aspect of the HazMat Scene. This class will challenge your existing knowledge, while distilling down to the simplest terms and most important aspects of the chemistry we as Technicians use every day.</p>	2723-HazMat Technician	
Sunday April 27 8 a.m.-5 p.m.	<p>Taming The Tiger: <i>Tactics and Response For Anhydrous Ammonia</i> Eight-hour course, hands-on Instructor: Tanner Industries, Inc</p> <p>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.</p> <p>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.</p>	2723-HazMat Technician	Water Source Structural firefighting gear
Sunday April 27 8 a.m. – 12 p.m.	<p>Swiftwater Rescue: <i>Making the Save</i> Four-hour course, hands-on Instructor: Greg Merrell</p> <p>Participants will learn progressive, safe, and effective rescue strategies and techniques from simple to complex emphasizing rescue priorities and safety. Students will rotate through multiple skill stations, including: rescuer positioning, immediate rescue techniques, providing victims with personal flotation devices, down-stream safety tactics and practices, and rescuing trapped victims.</p>	n/a	Water source
Sunday April 27 1 p.m.-5 p.m.	<p>Swiftwater Rescue: <i>Rules of Engagement</i> Four-hour course, lecture Instructor: Greg Merrell</p> <p>This course provides a foundation to perform scene size-up, scene safety, assessing the victim(s), allocation of resources and decision making. It also includes, reading the water; understanding hydrology, reading the victim. Utilizing these skills will ensure effective scene management, rescue selection, resource allocation and victim management.</p>	n/a	

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

SOCON-Special Operations Conference

April 26-27, 2025



Registration Form: 8690-25001

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

Registration Deadline: Tuesday, April 1, 2025

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

SCFID: _____

Last Name: _____ First: _____ Initial: _____

Street: _____

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

Date of Birth: _____ Phone: _____

Email Address: _____

FDID #: _____ Fire Department: _____

DORM REQUEST Dorm rooms are assigned on a first come-first serve basis. Requesting a room does not guarantee a room assignment.

Yes, I want a double occupancy dorm room (\$25/night), arriving 4/25/2025 after 3 p.m., and checking out 4/27/2025 by 8 a.m.

No, I do not need a dorm room.

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)

- _____ 8825-25001 Tactical Emergency Medical Support (16 hours)
- _____ 8798-25001 Elevator Rescue (16 hours)
- _____ 8822-25001 Artificial High Directional (16 hours)
- _____ 8826-25001 Rigging and Rescue from Scaffolding (8 hours)
- _____ 8827-25001 Rescues Gone Wrong (8 hours)
- _____ 8828-25001 Firefighter Rescue/Saving Our Own FAST (8 hours)
- _____ 8829-25001 Lightweight Systems for Technical Rope Rescue (4 hours-morning)
- _____ 8830-25001 User vs Operator (4 hours-morning)
- _____ 8831-25001 Unmanned Solutions for Rescue and Rope Access (4 hours-afternoon)
- _____ 8832-25001 Chemical Physical Properties (4 hours-afternoon)

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

- ABOVE** _____ 8825-25001 Tactical Emergency Medical Support (16 hours)
- ABOVE** _____ 8798-25001 Elevator Rescue (16 hours)
- ABOVE** _____ 8822-25001 Artificial High Directional (16 hours)
- _____ 8821-25001 Taming the Tiger (8 hours)
- _____ 8826-25002 Rigging and Rescue from Scaffolding (8 hours)
- _____ 8833-25001 Swiftwater Rescue: Making the Save (4 hours-morning)
- _____ 8834-25001 Swiftwater Rescue: Rules of Engagement (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