



**State Capital Area Firefighters
Association
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Chad Lady, President
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Firefighters Teaching Firefighters

38th Annual SCAFFA Fire School

March 17 – 20, 2022

Ramada * 420 SE 6th Ave, Topeka, KS

Co-sponsored by: State Capital Area Firefighters Association (SCAFFA), Kansas Fire & Rescue Training Institute (KFRTI), Techs EMS, Kansas State Firefighters Association (KSFFA), Topeka Fire Department, Kansas Forest Service, Shawnee Heights FD, Silver Lake Fire Department, Mission Township FD, Soldier Township FD, Kansas Department of Health & Environment (KDHE), Stormont Vail Hospital, KSFMO, SNCO, SNCO Emergency Management, Union Pacific, VFIS, CFD2, AMR, Hurst Tools, Midwest Card Solutions, Simplex/Grinnel Sprinklers

An electronic version of this information can be found at:

<http://www.scaffa.org>. A link can also be found at <http://www.ksffa.com/>

which is a source with other valuable information for firefighters.

Check it out!

SPECIAL EVENTS

SCBA Fit Testing

Kansas State Firefighters Association will offer SCBA fit testing at the SCAFFA School. They will be offered on Friday, March 18th and Saturday, March 19th.

*Vendor Display & Vendors' Night – Friday, March 18th

The State Capitol Area Fire Fighters Association is again proud to host one the largest vendor displays held in Kansas. Exhibitors will display on Thursday, March 17th until Saturday afternoon, March 19th. Free chips and hot dogs are provided while we enjoy our traditional activities!

DAILY AGENDA

7 a.m. Registration....Ramada Atrium
8 a.m. Morning classes begin
Noon Lunch on your own
1 p.m. Afternoon classes begin
5 p.m. Adjournment

You only need to visit the registration desk once

Thursday 3/17 Agenda

7 a.m. Registration....Ramada Atrium
9 a.m. Keynote Presentation Begins

Registration & Fees

- **Registration is \$25 per person**, unlimited classes. Register at kupce.ku.edu/kufire-home
- The Spouse Stress Awareness class is free.
- **Instructor 1 has a \$20.00 certification fee** payable to KFRTI. An online portion of the class is required before the SCAFFA School, **and has a \$40 registration fee.**
- **Emergency Pediatric Care has a certification card fee of \$15.**
- Advanced registration is suggested. Walk-ins are welcome but spaces in classes are limited. **All SCAFFA participants must register for an online profile with the Kansas Fire & Rescue Training Institute to register for the SCAFFA School.**
- Participants *must* be 18 years of age to participate in this school.
- **Please bring your Fire ID badge.**

Transportation

Participants need to provide their own transportation to courses not held at the Ramada.

Lodging

A block of rooms has been reserved at the Ramada, 420 SE 6th Ave., Topeka, KS at the rate of \$81 for double or single occupancy. It includes a hot breakfast. To take advantage of the special rate, call 785-234-5400 by March 1, 2022, and mention that you will be attending SCAFFA Fire School. After March 5, 2022, room availability and rates cannot be guaranteed.

All-Day classes are from 8 a.m. – 5 p.m. w/ 1-hour lunch.

AM classes are from 8 a.m. – 12 p.m.

PM classes are from 1 p.m. – 5 p.m.

Aircraft Landing Zone Safety - OFFSITE

LifeStar

Max Occupancy: 24

Class Length: 4 hrs.

Day: Saturday AM

This class will discuss the capabilities of aircrafts when used for EMS and patient transport as well as the criteria to identify when to call for air transport. It will also cover how to pick a landing zone, establish and communicate the location to the flight crew. We will discuss helicopter operation ground safety as well as emergency shutdown procedures. Weather and availability depending, a helicopter will be landed and students will be given the opportunity to look inside and talk to the crew about their operations. This class will take place at the Shawnee Heights Fire Station # 23, 5301 SE California Ave, Topeka.

Driving Simulator – 2 Hour Blocks over 2 ½ Day Period

KFRTI

Max Occupancy: 4/time slot

Class Length: 2 hrs.

Days: Thursday PM – Saturday PM

This training utilizes simulators to reinforce good driving skills and mediate the correct response to a driving situation. Situations are repeatable until the desired skill is learned without endangering students or damaging equipment. The simulator contains all of the functions and controls needed for conducting driver training. Official schedule of all “class times” will be posted online at KU’s SCAFFA registration page.

Drone Operations and First Responders

Scott Steele, SNCO Emergency Management

Max Occupancy: 24

Class Length: 4 hrs.

Day: Saturday PM

This class will discuss utilizing drones in fire operations and cover the FAA rules and regulations for drone operations. It will also cover recommended standard operating procedures (SOP/SOG) for department operations as well as talking about how to present drones to the public in a positive light.

Emergency Response to Hunting & Outdoor Emergencies

Dirk Christian, SNCO Fire District 4

Max Occupancy: **Class Length: 9 hrs.**

Day: Friday

In the 2019 season, 8 Kansas hunters were accidentally shot while they were out hunting. The US Fish and Wildlife Service reports that Kansas hunters spend a total of 5 million cumulative hunting days in the field each year. While these emergencies are ‘low frequency’, they can be extremely complex and ‘high risk’ in nature. Are you trained and ready to respond to complex outdoor emergencies? Does your fire department train for rescue operations in the most remote areas of your district? This course will better prepare Firefighters to assess, rescue, and treat injured hunters and patients in the remote outdoors. During this class, we will review rapid trauma assessment and treatment for a myriad of GSW’s, puncture and penetrating wounds, arrow and broadhead injuries, cold water emergencies and hypothermia, and multisystem trauma injuries related to hunting and outdoor emergencies. Hands-On training scenarios will include use of common and specialized rescue equipment, and several different techniques to rescue hunters from a variety of tree stands, tree climbing rigs, elevated and ground blinds, falls – including hunting harnesses and suspension injuries, archery and arrow injuries, and a wide variety of traumatic injuries commonly associated with hunting, trapping, and outdoors sporting events.

PPE Requirements: Structural Firefighting Turnout Gear, Wildland Firefighting Gear, or Dual Certified Gear (i.e., TEC GEN) is optional. Minimum PPE required for each student includes comfortable Long Pants and Belt (Duty Pants, BDU Pants, etc.), Duty Boots (or durable outdoors boots with 8” ankle support), and Long Sleeve Shirt and/or Jacket, Fire Helmet (or Rescue Helmet with chinstrap), and pair of Rescue Gloves or Work Gloves. Hunting is an ‘All Weather Sport’ – we will be outdoors regardless of ‘rain or shine’ weather conditions. Dress accordingly and plan ahead with additional inclement weather clothing, as needed. Limited PPE will be available from instructors to students that do not have helmets and/or gloves.

Training Location & Lunch: **A working lunch will be provided to all student participants during this class.**

This is a full 10-hour day of training, including scenarios in several remote locations – regardless of weather. Training will begin at SCFD #4 Station 81, located at Interstate 70 and SW Valencia Road, west of Topeka.

Engine Operations for Small Departments

Shane Pearson & Laramie McPherson, KSFFA

Max Occupancy: 20

Class Length: 4 hrs.

Day: Saturday PM

Most departments face short staffing and adequate personnel to make the initial attack. This class will review various methods and best practices for maximizing the staffing you do have on scene and make a successful initial attack. Through scenarios and hands on skills, students will learn various methods to deploy handlines and tools for a successful outcome.

Prerequisite: All participants need to bring PPE and SCBA to participate in hands-on exercises.

Extrication - OFFSITE

Dan Romine, KSFFA

Max Occupancy: 24

Class Length: 12 hrs.

Days: Saturday AM - Sunday AM

This course will cover newer technology of today's cars and the newest methods to extricate patients from motor vehicle accidents. New tools and techniques will also be shown and how to apply them for the best possible patient outcomes. EMS Credit through KSFFA.

Prerequisite: All participants need to bring PPE and eye protection to participate in hands-on exercises.

Fireground Decon – 2 Classes Offered

“Firefighter Cancer – Risks, Realities, and Reductions”

Dirk Christian, SNCO Fire District 4

Max Occupancy: 24

Class Length: 4 hrs.

Day: Thursday AM & Thursday PM

Firefighters have nearly a 10% higher risk of developing job-related cancers than the rest of the U.S. population, and that risk increases the longer that you are an active Firefighter. This class will assist Firefighters, Safety and Training Officers, and Chief Officers understand and identify the risks of fire service cancer, recognize the prevalence of Firefighter cancer, and apply current best practices for cancer reduction - including the “11 Best Practices” identified in The Lavender Ribbon Report. During this class, we will discuss proper care and wear of Firefighter PPE, on-scene Decontamination, and methodical decontamination of personnel and equipment, and numerous methods for implementing risk reduction strategies and operational controls in your fire department.

Firefighter Rehab

Shane Pearson, KSFFA

Max Occupancy: 24

Class Length: 4 hrs.

Day: Sunday AM

Firefighter medical monitoring and rehabilitation has been identified as a critical part of managing the health and safety as well as reducing the potential for Line of Duty injuries and death. The three and a half hour program will provide knowledge of how to evaluate, set up and administer firefighter rehab in accordance with NFPA 1584 standards. The class will cover the definition of and the need for rehab, describe the physiological and environmental threats to firefighters and an overview of what can occur on the fire ground. Several case studies will also be presented. EMS certified personnel attending this class will be awarded 3.5 hours of EMS continuing education.

Fireground Ventilation

Laramie McPherson & Zach Golemboski, KSFFA

Max Occupancy: 24

Class Length: 4 hrs.

Day: Saturday AM

Ventilation is a key Fire Attack Tool. This course allows the student to better understand the mechanics of ventilation with emphasis on positive pressure ventilation techniques and power equipment. Practical applications are used during the course.

Prerequisite: All participants need to bring PPE and SCBA as well as have a current fit test to participate in hands-on exercises.

Grain Elevator Emergencies

Justin Couse, KSFFA

Max Occupancy: 20

Class Length: 4 hrs.

Day: Saturday AM

An emergency situation that most of us in Kansas can possibly face at any time. This course leads you through complete grain facilities, firefighting equipment, and protection systems etc. and finally, to controlling fires and fire prevention programs. Silos are also looked at and how best to extinguish those fires. A must course if you're completely familiar with grain facilities and silo operations. The course will also discuss other farm supply facility incidents as well as grain bin entrapment and the basic knowledge necessary for those incidents.

Grant Writing

Jim Bodenheimer, Winchester Fire Department

Max Occupancy: 32

Class Length: 4 hrs.

Day: Friday PM

The goal of the workshop is to increase the number of competitive AFG applications/awards by enhancing attendee's application planning & development process. This class will provide AFG grant preparation tips, tools and resources to improve competitive grant writing skills from pre-planning to computer scoring. It also enhances narrative development and narrative evaluation skills through the review of actual submitted narratives.

Objectives:

Increase the number of competitive grants by:

- Relating knowledge of the AFG programs/priorities to project development.
- Enhancing application planning.
- Providing Computer scoring tips
- Highlighting support resources.
- Relating project narrative development to program priorities and questions used in computer scoring.
- Providing narrative writing tips.
- Learning to objectively evaluate your narrative.

Instructor I – Part 2 - ONLINE COURSEWORK REQUIRED - \$Fees

Erin McGruder, KFRTI

Max Occupancy: 24

Class Length: 16 hrs.

Days: Thursday & Friday

This seminar is Part 2 of a blended learning format with a focus on short, verbal presentations of assorted fire service topics by students participating as group leaders in various classroom-based activities. Every participant is required to perform the role of group leader in this training format. Additionally, all students are assigned a 15-minute presentation to deliver to the class on the final day of the seminar. Note: All students must first complete the online portion (Part 1) of the training before attending, **which has a \$40 registration fee**. Contact Erin McGruder (erinmcg@ku.edu) at least one week in advance for a copy of your assigned presentation. There is a **\$20.00 certification fee** for this course, checks made payable to KFRTI.

Introduction to Fire Service Leadership

Stevenson Skrzypek, TFD

Max Occupancy: 32

Class Length: 4 hrs.

Day: Thursday

Today's firefighters need and want good leaders. As a company officer you are probably more prepared to supervise than lead. While being a good supervisor is important it will not carry the fire service into the future. Today's firefighters are tomorrow's leaders, so you being a leader NOW is crucial. Leaders need to connect with their people or they will not be a leader for long. At least, not a good one. This class will introduce the characteristics and actions effective leaders need to have and to take, plus cover three basic foundations every leader should stand on for support. Not a company officer? This class also has value for you as leadership comes in different forms and from different people, so see how you can be a leader.

KSFFA Burn Trailer

KSFFA

Max Occupancy: 20

Class Length: 8 hrs.

Days: Friday

This course is designed to prepare students to operate as members of interior fire attack teams. The curriculum covers research done by NIST and UL and will demonstrate how the principles of modern fire attack operate using proper size-up techniques to locate the fire and flow path. These principles will also demonstrate methods for cooling and extinguishing fires in residential structures.

Prerequisites:

Students will extinguish live fires under controlled conditions in the KSFFA interior fire prop. This course requires strenuous activity; therefore, only fire fighters who have been medically evaluated and have had their personal protective clothing (including self-contained breathing apparatus) properly fitted by their fire departments will be allowed to participate in the course.

PICO: Preparation for Initial Company Officers

INSTRUCTOR, KFRTI

Max Occupancy: 32

Class Length: 16 hrs.

Day: Friday & Saturday

This two-day course is designed to develop a better understanding of the roles and responsibilities of Company Officers (COs) in preparing their company for incident operations. In addition, this course is designed to clarify the transition from firefighter to CO and the new roles relating to leadership and safety. This course is designed for COs, acting COs, or senior firefighters responsible for the management of a single fire company at an emergency incident. This includes those officers who are responsible for company readiness, personnel safety, and leadership as it relates to company operation.

Powerpoint to Power Training

Forrest Walter, Mission Township Fire Department

Max Occupancy: 24

Class Length: 4 hrs

Day: Thursday PM

This presentation was adapted from FDIC instructor Becki White with permission. Students don't want to read a powerpoint; students don't want to see how many bullet points a slide can fit. Firefighters do want to learn; they want to master their craft. This presentation will demonstrate better techniques in using PowerPoint and the reason these techniques work. Knowing how your audience thinks, absorbs information and most importantly retains the information. This presentation is educational and entertaining and a must for training officers and those that do classroom presentations.

PPE Maintenance & Inspection

Leighton Davis, 1st Due Emergency Response Solutions

Max Occupancy: 24

Class Length: 4 hrs.

Day: Friday PM

A class every firefighter and Chief needs. This class will cover the following topics:

Today's 'Bunker Gear/Turnout Gear' and firefighter PPE is much more than meets the eye. This class will educate the students about what our personal protective equipment will and won't do and why.

How fire gear technology has improved throughout the industry with looks at yesterday, today and tomorrow's firefighting PPE.

Why to consider Wildland and Rescue PPE; when it's best to use it.

What the NFPA standards actually say and why they're important to all of us.

How to properly select, specify, clean and care for, and meet/maintain NFPA compliance with your PPE.

Cancer prevention/Toxin reduction and the PFOA/PFAS exposure issue in PPE.

Reading Buildings

Ron Ewing, KSFFA

Max Occupancy: 24 Class Length: 4 hrs. Day: Saturday PM

This course is based upon the findings and research of Dave Dodson as well as several years of UL testing results. The building is the enemy in the words of Francis Brannigan. Building construction, shape and size are part of the ongoing fireground size up for operations. Fire-arriving officers, Incident Commanders, and Safety Officers MUST know how to rapidly read a building – this class explains the reading-buildings process and gives participants practice through hands-on learning practical's and role playing.

Reading Smoke

Ron Ewing, KSFFA

Max Occupancy: 24 Class Length: 4 hrs. Day: Saturday AM

Often, smoke showing from a building is the only clue available to predict fire behavior. Fire-arriving officers, Incident Commanders, and Safety Officers MUST know how to rapidly read smoke – this class explains the reading-smoke process and gives participants practice through hands-on learning practical's and role playing.

(R.I.T.) Rapid Intervention Training / Firefighter Survival

Josh Register, CFD2

Max Occupancy: 24 Class Length: 32 hrs. Days: Thursday - Sunday

This hands-on class will focus on the need for Rapid Intervention Teams on every fire ground. Participants will learn it takes more than a few firefighters standing around a tarp to rescue a downed firefighter. Class will cover such things as Air Management, Managing the Mayday, RIT Staging & Size-up, RIT Search in Large Areas & Residential Structures, Firefighter Self-Rescue Techniques, Thermal Imaging Cameras, Hand Tools, Firefighter Removal Techniques, RIT Obstacle Course and Live Drills at acquired structures.

Full PPE and SCBA required (spare bottle if you have it). It is recommended that participants bring knee pads.

This is a very physically demanding class.

Prerequisite: Participants must bring **SCBA and turn-out gear** and eye protection to participate in hands-on exercises.

Rope Rescue Refresher - 2 Classes Offered

Ben Green, KFRTI

Max Occupancy: **Class Length: 8 hrs.** **Day: Friday & Saturday**

Rope Rescue 1 Refresher is a one-day (8 hours) course designed to refresh, the trained technical rescuer, over NFPA 1006 Rope Rescue JPRs. It begins by reviewing knots, rope rescue systems, rigging principles, and personal rescue skills. Scenarios are used to require the rescuer to analyze situations, formulate a plan, and then implement the plan of action to conduct a rescue. The class will include classroom and hands-on application of skills on a planned building or tower involving strenuous physical activity, and the ability of the student to work at heights.

Prerequisites

Introduction to Technical Rescue – NFPA 2013 (Chapter 5)

Special Info

Personal protective equipment is to be furnished by the student. It includes an OSHA or ANSI-approved helmet with chin strap (fire helmets okay), clean leather work gloves (firefighting gloves are not appropriate), durable work clothes (no tank tops or shorts), duty boots, or athletic shoes.

SAMM - Stress Awareness, Management and Mitigation

Dawn Ptaschek, 10-33 Foundation

Max Occupancy: 24 **Class Length: 4 hrs.** **Day: Friday PM**

This course will address the importance of pre-incident resilience training, define stress/how you get it/how your body processes it, discuss critical/traumatic events, share practical ways of coping with post-incident stress, and help build foundations for reducing daily stress.

SAMM - Stress Awareness - Spouse Edition

Dawn Ptaschek, 10-33 Foundation

Max Occupancy: 24 **Class Length: 4 hrs.** **Day: Saturday AM**

Loving a First Responder presents some unique challenges. The demands placed on your mate can sometimes add up and find their way home to you and your family. Similar to the SAMM course offered Saturday morning, we will cover stress must-know info, but with a specifically spouse-oriented twist. The class will close with an informal Q & A Panel Discussion. This class is free for spouses that aren't taking other classes.

Small Aircraft Emergencies - OFFSITE

MTAA

Max Occupancy: 24

Class Length: 4 hrs.

Day: Thursday PM

Class will focus on responding to aircraft emergencies with standard structural firefighting equipment. Other areas discussed will be: manpower, brief discussion of aircraft types, working around hazards presented by aircraft, guidelines for working with state and federal investigatory agencies that are responsible for aircraft incidents and available mutual aid resources. This class will take place at the MTAA Administrative Building, 6500 SE Forbes Ave, Topeka.

Understanding & Fighting Basement Fires

ISFSI, International Society of Fire Service Instructors

Max Occupancy:32

Class Length: 8 hrs.

Day: Saturday

This dynamic 8-hour classroom session continues the ISFSI and UL-FSRI partnership to "bring the science to the streets". Course participants will be guided through a review of the core principles of compartment fire development, modern terminology and research methods, and personal protective equipment (PPE) limitations. Those foundations serve as the basis for in-depth discussion on the most effective research-based tactics for basement fires, and a series of case study reviews on basement fire gone wrong resulting in firefighter Line-of-Duty Deaths (LODDs).

Learning Objectives:

- Understand the history of modern fire attack and tactics.
- Understand current knowledge vs. beliefs of the most recent UL/NIST findings from the basement fire tactics research panel
- Understand basement fire LODDs and why this research is important.

Wildland Firefighter with Red Card Refresher - OFFSITE

Kansas Forest Service

Max Occupancy: 24

Class Length: 32 Hours

Day: Thursday - Sunday

WILDLAND DESCRIPTION

This course is a basic introductory course to wildland firefighting in Kansas. The course is designed to cover various types of fuels and terrain and fire conditions that can be experienced in Kansas. It is a baseline class that all firefighters in Kansas have access to so that a base knowledge is achieved across the state. The course is specific to the Kansas landscape and the variety of conditions and terrain that can be experienced here. It also covers basic command processes, mutual aid processes, and what to do when you exceed your local department's capacity on a fire. Considerations for when to contact state resources as well as how to access them are also covered.

RED CARD DESCRIPTION

Students will review fundamentals of wildland firefighting through the red card program. This will be primarily a classroom-based review however students will need to bring their helmets, gloves, and fire shelters for practice. **This class will take place at the Soldier Township Fire Department, 600 NW 46h ST, Topeka.**

Wildland Red Card Class Schedule

Pre-Course Work

- Completion of IS 100 and IS 700 (bring a copy of certificate to class)

Classroom (March 17-19)

- **0800 – 1700 (1 hour lunch break)**

Field Day (March 20)

- **0800 - 1400**
- Pack test location (usually a high school track)
- Need a place where we can dig line
- We can do some live fire training but that what require commitment of fire fighting resources from outside of KFS

The pack test is the national standard for physical fitness. To be nationally certified to deploy on out-of-state fires, a firefighter must have a current pack test. A pack test is good for 365 days from the date of completion. In short, a pack test is done annually.

- 3-mile walk (no running)
- 45 lb. pack needs to be carried for the duration of test
- 45-minute time limit

*** KFS does not provide the packs, students must bring their own

[CLICK HERE FOR RED CARD CERTIFICATION INFORMATION - Must Completed Before Class!](#)

24 Hours of EMS Core Components are split by class name

Medical Emergencies Case Studies & Trauma Case Studies Lecture classes will cover different case studies in the different time slots.

Medical and Trauma Emergencies Case Studies

Donna Connell & Con Olson, Techs EMS Staff

Max Occupancy: 24

Thursday - 1300-1500

Trauma Case Studies. Core hours include Trauma (1.5 hours) and Operations (0.5 hours)

Thursday - 1500-1700

Trauma Case Studies. Core hours include Trauma (1.5 hours) and Operations (0.5 hours)

Sunday - 0800-1200

Medical and Trauma Case Studies. Core hours include Trauma (1hour), Medical (1 hour), Airway/Breathing/Ventilation (1 hour), Cardiac (1 hour). BLS and ALS hours provided.

Friday – Saturday, 0800-1700 Both Days (16 hours total)

Emergency Pediatric Care (\$15 certification fee)

Donna Connell, Con Olson, Techs EMS Staff

Max Occupancy: 18

Core hours include Medical (3 hours), Cardiac (2 hours), Trauma (3 hours), Airway/Breathing/Ventilations (2 hours), Operations (1 hour), Pediatrics (5 hours)