



**State Capital Area Firefighters
Association
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Firefighters Teaching Firefighters

37th Annual SCAFFA Fire School

August 26 – 29, 2021

Ramada * 420 SE 6th Ave, Topeka, KS

Co-sponsored by: State Capital Area Firefighters Association (SCAFFA), Kansas Fire & Rescue Training Institute (KFRTI), EMS Tech, Kansas State Firefighters Association (KSFFA), Topeka Fire Department, Kansas Forest Service, Shawnee Heights FD, Silver Lake Fire Department, Mission Township FD, Soldier Township FD, Shawnee County Fire district #4, Kansas Department of Health & Environment (KDHE), Stormont Vail Hospital, Office of the state Fire Marshal, 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, August 27th and Saturday, August 28th.

***Vendor Display & Vendors' Night – Friday, August 27th**

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, August 26th until Saturday afternoon, August 28th. Free chips and hot dogs are provided Friday while we enjoy our traditional activities!

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

Registration & Fees

- Registration is \$25 per person, unlimited classes.
- 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.
- 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 \$75 for double or single occupancy. It includes a hot breakfast. To take advantage of the special rate, call 785-234-5400 by August 1, 2021, and mention that you will be attending SCAFFA Fire School. After August 1, 2021, 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.**

Aggressively Positive

Lt.-Paramedic Ryan Pennington, Charleston W.V. FD, Jumpseat Training LLC

Max Occupancy: 32

Class Length: 4 hrs.

Day: Thursday PM

How can anyone hate going to the firehouse? It might be because of the people found inside. Sometimes we let our opinions and thoughts get in the way of our chosen profession. One way to fix that is to stay aggressively positive. In this highly interactive session, the presenter will dive into the why, how, and where firefighters can focus their attention to stay positive around the firehouse. How can you deal with the downers while building your circle of influence? This session will engage all the attendees to participate in a fluid, non-scripted discussion.

Aircraft Landing Zone Safety – 2 Classes Offered - OFFSITE

LifeStar

Max Occupancy: 24

Class Length: 4 hrs.

Day: Friday PM & Saturday PM

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.**

Baaken Crude Oil

Union Pacific Railroad

Max Occupancy: 24

Class Length: 4 hrs.

Day: Saturday PM

This program is designed to give the first responder a basic understanding of crude oil that is being transported by rail tank car. The program will discuss the basics of hazard identification, tank car design, and emergency response considerations.

Basic Firefighter Skills – Skills Trailer

KSFFA

Max Occupancy: 24

Class Length: 8 hrs.

Day: Saturday

This course is intended for all ranges of firefighters. It is geared towards the novice, but is useful for the seasoned firefighter as well. Ventilation skills, SCBA skills, forcible entry, and hose deployments are all part of this 8-hour class. 4 different stations will allow students a chance to participate in all the different skills. Full PPE with SCBA is required for this class.

Building Construction

KSFFA

Max Occupancy: 24

Class Length: 4 hrs.

Day: Thursday PM

Upon completion of this lesson the student will be able to identify structural characteristics of building construction types and recognize signs and causes of potential building collapse. Includes discussion of lightweight construction and its effect on firefighter safety.

Burn Trailer

KSFFA

Max Occupancy: 24

Class Length: 4 hrs.

Day: Friday AM

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 in-service personal protective clothing (including self-contained breathing apparatus) properly fitted by their fire departments will be allowed to participate in the course.

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: Friday AM

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.

Firefighter Cancer - Risks, Realities & Reductions - 2 classes offered

Dirk Christian, Emergency Response Division Chief, Office of the State Fire Marshal

Max Occupancy: 24

Class Length: 4 hrs.

Day: Thursday AM & PM

Firefighters have nearly a 10% higher risk of developing job-related cancers than the rest of the U.S. population, and that the risk increases the longer that you are an active Firefighter. This class will assist Firefighters, Safety and Training Officers, and Chief Officers to better 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.

Fireground Commander

Chief (Retired) Ron Richards, Task Force 1

Max Occupancy: 32

Class Length: 8 hrs.

Day: Friday

The focus of this program is on incident management skills and decisions. Without a framework to follow, chaos will ensue. Students will be exposed to the inner workings of a command post. The program includes a didactic presentation, many small group exercises, case study reviews and classroom simulation exercises.

Foundations of 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.

Grant Writing

Jim Bodenheimer, Winchester Fire Department

Max Occupancy: 32

Class Length: 4 hrs.

Day: Thursday 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.

Hoarder Homes: Piles of Hazards for First Responders

Lt.-Paramedic Ryan Pennington, Charleston W.V. FD, Jumpseat Training LLC

Max Occupancy: 32

Class Length: 8 hrs.

Day: Friday

The intent of this presentation is to expose the students to the ins and outs of fighting a structural fire inside a house with a hoarder type conditions. Multiple variables will complicate the use of normal tactics when faced with areas that are no longer able to be used for their intended purpose. The learning objectives will be to identify factors such as hoarder front yards, tactical changes used while fighting these types of fires, and overhaul techniques used on massive amounts of belongings. This program hopes to introduce new ways of thinking when engaged in fire operations inside hoarded homes.

ICS 300

SNCO Emergency Management

Max Occupancy: 24

Class Length: 20 hrs.

Days: Friday AM – Sunday AM

ICS-300 provides training and resources for personnel who require advanced application of the ICS. The course expands upon information covered in the ICS-100 and ICS-200 courses. Students will be required to register through KS-Train for this class as well. A minimum of 14 students are required for the class. Class will finish on Sunday and all 3 days must be attended

Prerequisites: ICS 100, 200, 700, 800

ALL STUDENTS MUST BRING A LAPTOP TO CLASS

Note: Students must have taken the Emergency Management Institute, U.S. Department of Agriculture, National Fire Academy, or National Wildfire Coordinating Group ICS courses. Other ICS courses will be reviewed for consistency with the ICS objectives prescribed by the National Integration Center (NIC). FEMA recommends that ICS-300 participants have experience using concepts and principles from ICS 100 and 200 in a response or exercise and use their skills in an operational environment before taking ICS-400. This will provide necessary context and understanding of the skills they will develop when they take ICS-400. Please contact nelson.casteel@snco.us if you have difficulty uploading certificates or do not have access to a laptop.

Instructor I – Part 2 - ONLINE COURSEWORK REQUIRED - \$60

Erin McGruder, KFRTI

Max Occupancy: 24 Class Length: 16 hrs. Days: Friday & Saturday

This seminar is Part 2 of a blended learning format with a focus on adult learning methodologies and instructional skills. Students will participate in group discussions, classroom-based activities, and give verbal presentations on assorted fire service topics. Note: All students must first complete the online portion (Part 1) of the training before attending, **which has a \$40 registration fee**. Students completing the course and pre-paid for the certification review may take their written exam at the conclusion of the second day. There is a **\$20.00 certification fee** for this course, payable online at time of registration. Contact Erin McGruder (ErinMcG@ku.edu) with any questions.

Leadership for Volunteer Officers

Chief (Retired) Ron Richards, Task Force 1

Max Occupancy: 32 Class Length: 12 hrs. Day: Saturday AM – Sunday AM

This program will cover a wide array of material to prepare an individual to take on the task of a volunteer fire officer. Career or volunteer makes no difference. Experience has shown that very often those elected or promoted in a leadership role are woefully unread for what awaits them. While many individuals are solid at the task level, that is, doing things themselves or even with the help of a partner, most will struggle when now having others to do the task. This creates havoc, chaos and discontentment. The program includes a didactic presentation, many small group exercises, case study reviews and classroom simulation exercises. The major of the program will focus on skills needed to “run a good firehouse”. Since much of the time is not spent at actual emergencies, setting the foundation does start with solid leadership providing clear direction and expectations.

PowerPoint to Power Training

Forrest Walter, Mission Township Fire Department

Max Occupancy: 24 Class Length: 4 hrs Day: Friday AM

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 regards to 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.

Radio Operations

Erin Harrell, SNCO Dispatch

Max Occupancy: 24

Class Length: 4 hrs.

Day: Thursday PM

Radio operations are a key to communication in the fire service. Participants of this class will review different functions of their radio and identify the features available on it. There will be discussion about what information is key to communicate at benchmarks of all types of calls as well as hands-on practice as a group to build confidence when using the radio. If time permits, a tour of the Shawnee County Emergency Communications Center (approx. 6 blocks from SCAFFA school) will be included.

***Participants should bring their hand-held radio to class with them**

Railroad 101

Union Pacific Railroad

Max Occupancy: 24

Class Length: 4 hrs.

Day: Saturday AM

Railroading 101.....or Everything You Always Wanted to Know About the Railroad but Didn't Know Who to Ask" covers an introduction to railroad operations and the associated hazards. Hazardous material shipments on the railroads and rescue considerations will be covered in the class as well as basic terminology of railroad equipment. Safety information for operating in a railroad environment and incident "war stories" will be discussed as well.

Reading Smoke – 2 Classes Offered

KSFFA

Max Occupancy: 32

Class Length: 4 hrs.

Day: Saturday AM & PM

Today's structure fires are more dangerous than ever before. Lightweight construction, low-mass synthetics, and open space floorplans have created a perfect storm for rapid, prolific fire growth and extreme behavior. It is imperative for firefighters of all ranks and experience levels to be prepared for this new battle. The Art of Reading Smoke, developed by Dave Dodson and continued by Rob Backer, provides the knowledge necessary for first-arriving firefighters, officers, and chief officers to determine the fire's location and progression "from the seat" before seeing any flame. This knowledge ensures that the correct tactics are implemented for the best possible outcome. Through the extensive use of actual fire ground videos, first-time students will develop, and return students will refine their knowledge and skills to become INTELLECTUALLY aggressive firefighters, rather than ARBITRARILY aggressive. The next generation of The Art of Reading Smoke brings new research, a new library of videos, and discussion on cancer prevention, tactics and strategies to blend today's fire service extinguishment and safety cultures into one cohesive unit.

Red Card Refresher - ON & OFFSITE

Kansas Forest Service

Max Occupancy: 24

Class Length: 4 hrs.

Day: Friday AM

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.

R.I.T. - 2 Classes offered - OFFSITE

CFD2

Max Occupancy: 24

Class Length: 16 hrs.

Day: Thurs-Fri & Sat-Sun

This hands-on class will focus on the need for Rapid Intervention Teams on every fireground. 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 an acquired structure.

*Full PPE & SCBA required (Spare bottle if you have it) and eye protection. It is recommended that you bring knee pads. This is a very physically demanding class.

Small Aircraft Emergencies - OFFSITE

Chief Gregg Dunn, 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 investigative 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.**

Strategies & Tactics for the Initial Company Officer

KFRTI

Max Occupancy: 24

Class Length: 16 hrs.

Day: Friday & Saturday

This two-day course is designed to meet the needs of Company Officers (COs) responsible for managing the operations of one or more companies during structural firefighting operations. This course is designed to develop the management skills needed by COs to accomplish assigned tactics at structure fires.

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.

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.

Tactical Emergency Combat Care – 2 Classes Offered

Eric Voss, Concordia FD

Max Occupancy: 24

Class Length: 4 hrs.

Day: Friday PM & Sunday AM

The active shooter response course introduces evidence-based, life-saving techniques and strategies for providing the best trauma care and response to an active shooter. The course is based on the NAEMT course under the auspices of its PHTLS program. Four hours of EMS CEU's will be provided.

Vehicle Extrication - OFFSITE

Dan Romine, KSFFA

Max Occupancy: 24

Class Length: 12 hrs.

Days: Saturday AM - Sunday AM

This course will cover the basics of the latest vehicle technology and how the firefighter needs to size up any extrication. A variety of tools and techniques will be shown. Students will get firsthand experience using tools and techniques. Various vehicle types will be discussed as well. **This class will take place at Advantage Metals Recycling, 1628 NW Gordon ST, Topeka.**

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

Wildland Air Operations

Kansas Forest Service

Max Occupancy: 24

Class Length: 4 hrs.

Day: Friday PM

The aviation class will provide knowledge on capabilities/limitations of the different aircraft, safety considerations with having aviation on a fire, operation use of aviation (how to order them, communicate with them, extra tasks that need to be done involving aircraft, etc.) and aviation tactics to deploy on fires.

Wildland Firefighter

Kansas Forest Service

Max Occupancy: 24

Class Length: 8 hrs.

Day: Saturday

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.

EMS CLASSES

Medical Emergencies Case Scenarios & Trauma Case Scenarios Lab classes will cover different scenarios in the different time slots, 24 hours total of EMS Core Components.

Medical Emergencies Case Scenarios

Techs EMS

Max Occupancy: 24

- **Thursday - 1300-1500 - Trauma Case Scenario Labs – 2 Hour Class**

(Oxygenation/Ventilation, BLS Airway, ALS Airway, Pharmacology/Med Admin, Vehicle Ops/Transport Considerations, Shock, OB Emergencies, Altered Mental Status, Respiratory Emergencies, Cardiac Arrest, 4/12 Lead EKG, Cardiac Emergencies, Communicable Disease)

- **Thursday - 1500-1700 Medical Case Scenario Labs – 2 Hour Class**

(Oxygenation/Ventilation, BLS Airway, ALS Airway, Pharmacology/Med Admin, Vehicle Ops/Transport Considerations, Shock, OB Emergencies, Altered Mental Status, Respiratory Emergencies, Cardiac Arrest, 4/12 Lead EKG, Cardiac Emergencies, Communicable Disease)

- **Sunday - 0800-1000 – Medical Emergencies (Adult & Ped.) - 2 Hour Class**

(Oxygenation/Ventilation, BLS Airway, ALS Airway, Pharmacology/Med Admin, Vehicle Ops/Transport Considerations, Shock, OB Emergencies, Altered Mental Status, Respiratory Emergencies, Cardiac Arrest, 4/12 Lead EKG, Cardiac Emergencies, Communicable Disease)

- **Sunday – 1000-1200 Trauma Emergencies (Adult & Ped.) – 2 Hour Class**

(Oxygenation/Ventilation, BLS Airway, ALS Airway, Pharmacology/Med Admin, Vehicle Ops/Transport Considerations, Shock, OB Emergencies, Altered Mental Status, Respiratory Emergencies, Cardiac Arrest, 4/12 Lead EKG, Cardiac Emergencies, Communicable Disease)

Pre-Hospital Trauma Life Support (\$15 certification fee)

Techs EMS

Max Occupancy: 18

- **2 Day – 16 Hour Class – Friday – Saturday, 0800-1700 BOTH DAYS**

The program is based on a philosophy stressing the treatment of the multisystem trauma patient as a unique entity with specific needs. PHTLS promotes critical thinking as the foundation for providing quality care. It is based on the belief that, given a good fund of knowledge and key principles, EMS practitioners are capable of making reasoned decisions regarding patient care. The course utilizes the internationally recognized PHTLS textbook and covers the following topics:

- Physiology of life and death
- Scene & Patient assessment
- Airway
- Breathing, ventilation and oxygenation
- Circulation, hemorrhage and shock
- Patients with disabilities
- Patient simulations