

2011 NEBRASKA STATE FIRE SCHOOL CLASS LIST

Please pay special attention to the course descriptions!

Pay special attention to student numbers per class. Some classes request only two per department enrollment and classes with student limits of 40 or less will be limited to 3 per department registering in the class. Class locations will be included with class confirmations picked up at the fire school registration desk prior to 11:00am., Friday, May 20.

New 11-1 - SORRY, CLASS IS FULL

21st Century Leadership

Instructor: Harry R. Carter, Ph.D.

INTERNATIONALLY-KNOWN MUNICIPAL FIRE PROTECTION CONSULTANT, AUTHOR, WRITER, AND LECTURER

Friday: 21st Century Leadership, Discuss the role of leadership in organization success. Understand the need for greater concentration on leadership. Learn the role in imparting leadership knowledge and training to staffs.

Saturday AM: Problem-Solving, Review how to attack problems head on in a systematic manner using a step by step manner and using interactive problem-solving examples.

Saturday PM: How to Become a Better Fire Chief, Identify attributes of a good fire chief and a bad fire chief. Learn to identify your strengths and weaknesses and ways to overcome them.

Sunday AM: The Leadership-Followership Equation, Dr. Carter delivers a hard-charging attack on problems coming from a clash between leadership and followership. Learn how to provide training and information on being a good follower in a step by step manner and using interactive problem-solving examples.

Dr. Carter's class is designed for persons in roles of leadership in their fire departments or those considering becoming an officer.

Course Limit: 50 Students

11-2

Elected Officials: Sponsor: NE Forest Service
Instructor: George Teixeira, Fire Resource Manager

This special three hour course will be offered Saturday, May 21 from 1pm-4pm. This class is directed toward Rural Board members and fire chiefs. Speakers include Jim Egr, NSVFA legal counsel, Gerald Stilmock, NSVFA Lobbyist, Tim Hoeft, Phelps Co. attorney and George Teixeira, NE Forest Service. Topics include:

- State statutes pertaining to rural boards
- Rural Board responsibilities
- On going legislative issues
- Legal topics brought to the class by attendees.

Course Limit: 30

11-3

Fire Investigation

Instructor: Deputy State Fire Marshals

Fire scene security and evidence preservation including methods and legal issues will be taught as well as firefighters responsibilities at death scene investigations, case preparation and firefighter's testimony. Fire pattern analysis and interpretation, chemistry of fire and progression, burn pattern analysis, and motives, interviews and intervention of juvenile fire setters and investigation of vehicle fires will also be included in the instruction of this class.

Course Limit: Unlimited

(Catch "Fire Prevention" tips and news at http://www.nsvfa.org/fire_prevention.htm)



11-4

Nebraska Fire Happenings

Instructor: Deputy State Fire Marshals

This class will include presentations on fires and incidents that happened across the State of Nebraska during 2010/2011. Review of causes, actions and lessons learned will enable the student to plan for possible similar events in their communities.

Course Limit: Unlimited

11-5 - SORRY, CLASS IS CANCELLED

Advanced Wildland Firefighter

Instructor: Nebr. Forest Service, Casey McCoy

Both NWCG courses (S-131, S-133) required to move up from firefighter type 2 to firefighter type 1 certification will be offered in this 12 hour class. In addition to discussion, tactical decision games will be used to facilitate learning objectives.

Topics include: Communications, tactical decision making, identifying indicators of hazardous conditions and using indicators for risk management.

Anyone may attend for Fire School credit, but NWCG course completion certificates will only be provided to those who have previous red card training.

Course Limit: 35

11-6

The Role of Leadership in Fire Prevention & You

Sponsor: Nebraska Forest Service

Coordinator: Bob Vogltance, Fire Resource Mgr

The Role of Leadership in Fire Prevention and You will be the focus for this year's program. The class will explore resource techniques and ideas relating to fire prevention 365 days of the year for the firefighter/educator with the importance of leadership and team work. This "Hands On" class will offer you a chance to see and learn inventive ways to deliver effective fire prevention messages. Join in to discuss what fire problems are lurking throughout the State, who to approach about these situations and how to get fire prevention education beyond the doors of the fire station. Topics will include funding, leadership to team building, Smokey Bear, Sparky the Fire Dog and more in this energetic, dynamic class.

The targeted audience is fire prevention/education personnel, volunteers in the community, teachers, Rural Board and City Council members, public education officers from fire departments, community groups and fire prevention co-op members.

Course Limit: 40

11-7

Emergency Vehicle Operations for Ambulance Drivers

Instructor: Nebraska State Patrol

Class includes driver selection, driver and vehicle preparation, receiving and response to calls, action on the scene and return response.

Course Limit: 25 (**Must attend all 3 days**)



11-8

CSI – Nebraska

Instructors: Nebr. Attorney General's Office

U.S. Drug Enforcement Administration

Bureau of Alcohol/Tobacco/Firearms/Explosives

Retired Scotts Bluff County Sheriff, Jim Lawson

Topics discussed in this class will include:

1. Bombs and Explosives
2. Nebraska Methamphetamine and Clandestine Drug Labs
3. Flashing Lights, Sirens and Emergency Driving
4. EMT's, Firefighters, Crime Scenes and Death Investigations
5. Automobile Accidents and the Fire Service

Course Limit: Unlimited

11-9

Introduction to Firefighting
Instructor: State Fire Marshal Training Division

This class will involve knowledge and skills training for the student on a variety of topics for the beginner. This class is NOT for those who have acquired firefighting skills. Students will be divided into groups for participation in each session. Topics include:

1. Fire Theory – 3 hours
2. SCBA – 3 hours
3. Fire Streams – 1.5 hours
4. Live Fire – 1.5 hours
5. Ladders – 1.5 hours
6. Hoses & Loads – 1.5 hours

Personal Protective Equipment Requirements Apply including SCBA.

Course Limit: 240 (4 per department)

11-10

Foam Operations: Class A & B Fires
Instructor: State Fire Marshal Training Division,
Task Force Tips, Dave Burns

Participants will be instructed on how foam applications are made, proper use of foam, protection capabilities and use on different classes of fires. Strengthen skills in the selection and application of foam materials in emergency situations discussing application methods, appliances and uses in classroom and exercise practice.

Personal Protective Equipment Requirements Apply during Saturday's class time including SCBA.

Course Limit: 40

11-11

Rural Water Supply & Practical Hydraulics
Instructor: State Fire Marshal Training Division

Students will develop an understanding of a water shuttle from different sources, setup and operations of a water shuttle and procedures to establish a sufficient supply to maintain firefighting operations. Rate of flow will be discussed and applied in demonstrations. Water movement will be from hydrants, draft, dry hydrants and other sites and delivered to tenders, portable tanks and grass rigs.

Personal Protective Equipment Requirements Apply

Course Limit: 50

11-12 - SORRY, CLASS IS FULL

Wildland Fires in Fine Fuels/Wildland Engine Operations
Instructor: State Fire Marshal Training Division

Six hours of this class will address the volatility of Wildland Fires in Fine Fuels (grasses) found in Nebraska. Students will be introduced to native prairie grasses. Wildland fire behavior, tactics, equipment, and PPE and fire fighter safety will be discussed.

The Wildland Engine Operations portion of this class will address different types of wildland engines, their capabilities in off-road situations as well as different types of water supplies and pumping capabilities. The class will also discuss different types of wildland fuels and terrain that these engines might operate in, how to safely attack wildland fires with wildland engines, safe response, and routine maintenance of the engines. Different types of wildland engines will be looked at and all types of required equipment on the engines will be discussed. Different types of hose lays will also be demonstrated and Federal wildland engine agreements will be discussed.

Course Limit: 40

11-13

Self-Contained Breathing Apparatus

Instructor: State Fire Marshal Training Division

This class will present many of the objectives required by NFPA 1001. Classroom discussion and student participation will develop knowledge and skills needed to properly use and operate many forms of SCBA. The practical skills portion of the class, held on Saturday, will require students to participate in workstations simulating the strenuous work required by firefighters utilizing SCBA's.

Students must be physically capable of handling strenuous work during the skills portion of this class.

Personal Protective Equipment Requirements Apply during Saturday's class time and include SCBA from student's respective department, if possible.

Course Limit: 40

11-14 - SORRY, CLASS IS FULL

Principles of Vehicle Extrication

Instructor: State Fire Marshal Training Division

This class provides emergency response with an understanding of the current challenges, techniques, skills & equipment used for the safe, effective extrication of patients from today's vehicles. The tools, equipment and techniques presented in this class are considered state of the art practices used today but should not be looked at as the only practices for extrication.

Skills will be developed for scene safety, incident command and safe and timely rescue. Topics will include scene size up, vehicle size up, vehicle safety systems, vehicle stabilization, electrical shut down, hybrid vehicle safety concerns and other.

Addressed will be: Sections 6.4.1 & 6.4.2 of NFPA 1001 2008 Edition, Chapters 4,5 & 10 of NFPA 1006 2008 Edition and Chapters 4,8 & 12 of NFPA 1670.

Personal Protective Equipment Requirements Apply on Saturday and Sunday of Class Participants will need to provide personal safety Eye Protection.

Course Limit: 75

11-15 - SORRY, CLASS IS FULL

Basic Pump Operations

Instructor: State Fire Marshal Training Division

Discussion of maintenance, operation and components of fire pumps and principles of hydraulics and friction loss in hose lines will lead students to acquire knowledge and skills to properly operate a fire pump in emergency situations.

Students will operate a fire pump and develop proper pressure to develop effective fire stream for firefighting principles.

Personal Protective Equipment Requirements Apply during Saturday and Sunday's class time for all evolutions and students will be involved working on and around fire apparatus.

Course Limit: 40

New 11-16 - SORRY, CLASS IS FULL

Decision Making for Initial Company Operations

Instructor: State Fire Marshal Training Division Staff

This course is designed to develop the decision making skills needed by Company Officers. All activities and scenarios used in this course are based on structure fires.

As a "CO" with the real possibility of being first at an incident, the "CO's" initial decisions will have an impact throughout the entire incident. It is vital they make good management decisions that have a favorable impact on the eventual outcome. In addition to the possible role as the initial Incident Commander, the "CO" may be assigned a subordinate position within the ICS organization and needs a clear understanding of the system and their role in the organization.

This course is specifically designed for newly appointed Company Officers, for firefighters who may have acting Company Officer responsibilities or who want to become a Company Officer. This course is also an excellent review for experienced Company Officers.

Course Limit: 30

11-17

Thermal Imaging Cameras

Instructor: State Fire Marshal Training Division

This course addresses design and operation of thermal imagers, how to use the camera, how to read the image and development of a SOP for use of the imager.

Students will work on simulations, identifying objects, liquids, locations and materials. Operations of the camera for scene assessment, search and rescue and many other uses will be taught.

Personal Protective Equipment Requirements Apply during Saturday and Sundays' class time. (SCBA is required) for proper simulation (not actual live fire situations)

Course Limit: 35

11-18 - SORRY, CLASS IS FULL

Forcible Entry Techniques

Instructor: State Fire Marshal Training Division

Participants will develop skills necessary to make entry into locked structures for the purpose of fire suppression, rescue, EMS assistance etc. with minimal damage to the structure's design by reviewing forcible entry skills and building construction.

Several types of locks will be worked on and disassembled and entries made with provided forcible entry tools.

Personal Protective Equipment Requirements Apply. All head protection must have eye protection in place.

Course Limit: 40

11-19

Rope Rescue Techniques

Instructor: State Fire Marshal Training Division

This course will consist of both classroom and practical exercises. Students will acquire the knowledge and develop skills needed to perform emergency rescue in a high angle environment. Students will use various types of provided equipment while training in a real world situation. Students will be afforded the opportunity to advance their level of training dependent on their personal skill levels.

Personal Protective Equipment Requirements: Lace-up type footwear; clean, well fitting leather gloves (no bunker or dirty gloves), and helmet with chinstrap. No personal rescue equipment allowed – class will use only SFMTD equipment. Full length pants (no shorts) and acceptable shirt (no sleeveless shirts) will be allowed for exercise participation.

Course Limit: 40

11-20 **New**

Courage to Be Safe, a Nat'l Fallen FF Foundation Life Safety Initiatives Program

Instructor: Kyle Ienn, Ralston Fire Chief

Firefighters must have the courage to face multitude of risks in order to save lives and protect communities. Their courage allows them to willingly risk their own lives so that others can be saved. A different type of courage is required to stay safe in potentially dangerous situations.

This moving presentation is designed to change the culture of accepting the loss of firefighters as a normal occurrence. Building on the untold story of LODD survivors, it reveals how family members must live with the death of a firefighter and provides focus on the need for firefighters and officers to change fundamental attitudes and behaviors to prevent line of duty deaths.

The central theme promotes courage in order to protect yourself and other firefighters and ensure "Everyone Goes Home" at the end of the day.

Course Limit: 30

11-21 - SORRY, CLASS IS FULL

Agricultural Emergency and Extrication Principles
Instructor: Earl Rudolph, Springfield FD

Students will become familiar with different types of agriculture related accidents and how the various incidents should be handled. Rescue equipment, rescue procedures, care of victim(s) and safety will be discussed.

Personal Protective Equipment Requirements Apply

Course Limit: 40

11-22

Railroad Hazardous Materials and Emergency Response
Instructors: Rocky Bell and Brock Lowman,
Burlington Northern/Santa Fe Railroad

This class will provide first responders with the basic knowledge required to respond to a railroad emergency which may or may not involve hazardous materials. The course is an equal portion of class room and "hands on" using live rail equipment. Learn safety considerations and basic damage assessment and features of various rail cars and response to locomotive fires on site. Discover how to read shipping papers, placards and markings. Be trained how railroads will assist your response and fit within incident command structures.

Requirements:

For hands on training, solid shoes with a defined heel, (high top boots preferred), hard hats (firefighter turn out helmets acceptable), gloves, and safety glasses (fire helmets with shields acceptable)

Course Limit: 40

11-23

Live Flashover Training Simulator & Mobile Live Burn Simulator Instr: Customized FF Training, IA

Annually, FFs die or are severely burned when caught in rapidly deteriorating fire conditions of Flashover. In many cases, the FF did not recognize the warning signs, or did not understand or underestimated the environment and its danger. This class gives flashover training, both classroom and time in the Flashover Simulator with a demonstration in a controlled environment.

It is extremely important that FFs not only appreciate the limits of protective gear but to experience and learn to recognize the conditions leading to Flashover—How it happens, how to recognize the rapidly developing fire, dense smoke, high heat and rollover which are all present in the unit. Learn to use defensive techniques—who would send a FF to face a situation in the real world that he has not seen in training? Put what you learn into practice in the Structural Live Burn Simulator trailer. This unit conforms to NFPA 1001 Firefighter Training.

Personal Protective Equipment Requirements Apply. Students must be competent in hand line and nozzle operation and SCBA usage and should make every attempt to bring their own SCBA and a spare bottle, if possible.

Course Limit: 60 (2 Students per Dept.)

11-24

Mobile Live Burn Trailer Class A Fire
Instructors: Fremont Fire Department
<This class does not include flashover trailer>

This class gives you live fire training with Class "A" materials. It is important that firefighters not only appreciate the limits of their protective gear but to experience the fully developed fire, dense smoke, high heat. This class will also go over different hose lays, initial size up, and roles and positions during the initial fire attack

In the Structural Live Burn trailer feel the heat, see the smoke, take a hose and try to extinguish the fire. Practice "hands on" in simulators, with instructors providing training, supervision, and guidance. All units conform to NFPA 1001.

Personal Protective Equipment Requirements Apply. Students must be competent in hand line and nozzle operation and SCBA usage and should make every attempt to bring their own SCBA.

Course Limit: 45 (2 Students per Dept.)

11-25 - SORRY, CLASS IS FULL **New**

EMS Firefighter Rehab Class:
Instructor: Lisa Peter
Sponsor: NE Dept. of Health & Human Services,
EMS/Trauma Program

The physical and mental demands associated with firefighting and other emergency operations, coupled with the environmental dangers of extreme heat and humidity or extreme cold, create conditions that can have an adverse impact upon the safety and health of the emergency responder.

Members who are impaired are at increased risk for illness or injury, and may jeopardize the safety of others on the incident scene. When emergency responders become fatigued, their ability to operate safely is impaired. Reaction time is reduced and the ability to make critical decisions diminishes. Rehabilitation is an essential element on the incident scene to prevent more serious conditions such as heat exhaustion or heat stroke from occurring.

This class will discuss the role that EMS has during firefighter rehab in compliance with NFPA 1584. This content will be achieved through class room lecture and a large focus on actual "hands on".

Students are asked to bring their own blood pressure cuff and stethoscope.

Course Limit: 20

PLEASE SUPPORT YOUR NEBRASKA FIREFIGHTER NEWSPAPER PUBLICATION. Submit Fire Photos, Award Photos, Department Features and Upcoming Events and Articles to jeff@nebraskafirefighter.com or mail photos and articles to the :

NEBRASKA FIREFIGHTER
P.O. Box 122
Humboldt, IA 50548

Deadline for submitting articles and photos is the 15TH OF THE PREVIOUS MONTH (I.E., February 15th for the March issue.

11-26 **New**

EMS Class (with four tracks)
Sponsor: NE Dept. of Health & Human Services
EMS/Trauma Program

This class will be taught in four tracks.

Environmental Emergencies in Nebraska (3 hours)
This class will focus on the different types of Environmental Emergencies seen in Nebraska and how to treat them.

Autism 911: Expanding the Team (3 hours)
Too frequently children and adults, as well as their families, can find themselves in an emergency situation. The goal of this session is to give families, law enforcement, firefighters, EMT/EMS, and other emergency personnel the tools they need to deal with these situations safely and effectively.

Objectives:

- Students will learn the definition of autism, current fact & statistics, as well as common characteristics of autism
- Sensory overload and meltdowns including the 3 stages of a meltdown
- Adult behaviors that can escalate a crisis situation, as well as de-escalation techniques
- Best practices when responding to an emergency involving an individual(s) with autism (i.e., rescue obstacles, rescue techniques, the use of restraint, examination tips, treatment & transport and the emergency room)

Special Needs Patients (3 hours)
This class will focus on special needs patients and how to treat them. There will be discussion on specialized equipment and patient assessment techniques.

Patient Assessment (3 Hours)
Patient Assessment will be discussed for medical and trauma patients. This class will have a special focus on the Glasgow coma scale and stroke scales.

Course Limit: Unlimited

11-27 - SORRY, CLASS IS FULL **New**

Hazmat Response to an Unknown Material
Leaking from a Transport Vehicle:
Instructors: Nebr Hazardous Materials Assn.

The objectives for this course will be to determine appropriate response protocols based on initial scene size up, methods and techniques of the identification of an unknown hazardous material in the field, and containment and control of an incident of this type. Upon completion of this course, students shall be able to perform accurate scene size up of a vehicle containing multiple hazardous materials that has had release of a material, make a determination of risks based on basic DOT information available from shipping papers and placards, and then mitigate the incident in an appropriate manner.

The course will be taught with a combination of lecture and hands-on practice culminating in a full scale field exercise on Sunday.

Personal Protective Equipment Requirements apply for Sunday's class time and include SCBA from student's respective department, if possible.

Course Limit: 20

Class 11-28 **New**

Terrorism Awareness and Tactics
Instructed By: Jerry McNinch, Dept of Homeland Security, Don Neily, FBI and David Gomez, TSA

This class includes the following topics:

Friday: Roots of Terrorism...This instruction provides background regarding the evolution and threat of modern terrorist tactics, techniques and procedures.

Saturday AM: Improvised Explosives Workshop...This instruction will familiarize Fire personnel with basic knowledge of both conventional & improvised explosives, including trends observed by on scene investigators and case studies of actual incidents.

Lunch and move to Range Facility (TBD)

Saturday PM: Improvised Explosives Workshop...This training provides students "up close and personal" knowledge of detection methods, the actual substances used in improvised explosives and their respective capabilities.

(Continued in Above in Column 2)

Sunday: Terrorist Attack Cycle and Pre-Incident Indicators...This block of instruction will present an understanding of the terrorist attack cycle with the aim of assisting Fire personnel in recognizing pre-indicators; and, demonstrate through the use of case studies how attacks can be prevented with the application of this knowledge.

Course Limit: Unlimited

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