

# NEBRASKA

## State Fire Marshal

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TRAINING DIVISION  
2020

## Course Catalog

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<https://nebraskasfmdt.ne.gov/>

## **State Fire Marshal's Office – Training Division:**

The Training Division of the State Fire Marshal's office of Nebraska is the state designated firefighter training and certifying authority for the state. By statute the Training Division offers training to all fire departments in the state FREE of charge. Training is based on the National Fire Protection Association (NFPA) standards as they apply to firefighting and related skill sets.

### **Instruction Methodology:**

Instruction consists of classroom discussions, demonstrations, lectures, simulation, small group activity, practical applications and drills necessary for the development of proficiency in the course's subject matter. The Training Division determines the precise content of each course and follows the appropriate NFPA standard or other nationally accepted standards such as the NWCG requirements for wildland training.

### **Course Length and Schedule:**

Course lengths are based on educational considerations like the amount of classroom and practical activity, the complexity of the content, safety issues, and similar concerns. Course schedules are quite flexible, and are usually arranged by mutual consent of the instructor and the requesting organization. Typical schedules would be 3-4 hours per night once or twice a week; 8 hours a day on a Saturday and/or Sunday.

### **Delivery Format:**

Courses offered by the Training Division fall into two general categories: Traditional and Blended. "Traditional" class is all training received is conducted in a classroom setting for all learning sessions. "Blended" learning is a format that requires classroom lectures for a portion combined with each individual student completing on-line sessions through a Learning Management System (LMS) such as Navigate 2. Currently the Training Division is offering some classes in blended format with more in development.

### **Course Enrollment and Cancellation Policy:**

The Training Division has a minimum enrollment policy that is set to ensure class facilitation and to be cost effective. As a general rule most classes require a minimum of 12 students for a class to be conducted. Should enrollment fall below a predetermined number, the course may be discontinued. A maximum class size is also established for some courses.

### **Course Locations:**

In keeping with the 'as needed, where needed' philosophy of the program, class sessions are normally held at a local fire station where the necessary apparatus, tools and appliances for proper training are available to the instructor and the class. The Training Division also provides courses held at regional mutual aid associations and the annual Fire School conducted by the Nebraska State Volunteer Firefighters Association.

### **Tuition:**

There is **no cost** for classes offered and taught by the Training Division of the State Fire Marshal's office. Cost for books is the responsibility of the agencies requesting a course; the Training Division does not sell books but can provide a list of vendors who can supply the necessary books to support the courses.

### **Training Division Instructors:**

Full time and part-time instructors who present and provide instruction for the courses listed in this catalog are employees of the SFM-Training Division. Each instructor must meet Training Division instructor requirements and have completed an approved training course to enable them to teach each course they are qualified to present.

### **Student Responsibility and Conduct:**

Students are responsible for the material presented in each class/module. It is each student's responsibility to make up assignments and/or attendance in subject modules as required for a given class/course. Student conduct during classes offered by the Training Division should be reflected of the professionalism of the fire service. Inappropriate comments or conduct will not be tolerated by Training Division instructors and may be grounds for dismissal after discussion with the student and appropriate department authorities.

### **Attendance Policy:**

Firefighters are required to attend 75% of the course hours to successfully complete the course.

### **Personal Protective Equipment:**

Many classes listed in this catalog require the use of personal protective equipment/clothing to safely allow students to participate in the training. It is the responsibility of the hosting agency to ensure that firefighters participating in training have the correct, size appropriate equipment which will allow students to safely participate and gain the full benefit of the training material.

### **Certification:**

Several of the courses listed in this catalog offer firefighter's certification for the course and require students to complete a Practical Skills Examination (PSE) and a written examination. Both testing components require a passing score to enable firefighters to earn the appropriate certification. There is a fee for Certification testing of \$ 50 per level. All firefighter certification is based on the appropriate National Fire Protection Association (NFPA) standard. Certification system in Nebraska is nationally accredited by both the International Fire Service Accreditation Congress (IFSAC) and the National Board on Fire Service Professional Qualifications (ProBoard). This accreditation of the system allows firefighters who successfully complete the certification examination process to receive certification both within the state and on the national level which allows firefighters to transfer their certifications to other states.

### **Insurance Services Office (ISO)**

Classes and hours listed in this catalog with the ISO identification may meet training requirements for insurance rating office, it is important that departments document all training for rating purposes.

### **Emergency Medical Services (EMS)**



Classes and hours identified in this catalog with the Star of Life may count as re-certification hours for EMS qualifications.



## Hazardous Material Courses

### ➤ Hazardous Materials – Awareness

Course Hours: 6

Delivery Format: Traditional Classroom

This course is based on NFPA 1072, 2017 edition, *Responders to Hazardous Materials/Weapons of Mass Destruction Incidents*. This program is designed to familiarize individuals, who may come upon emergency involving hazardous materials, with the knowledge to initiate a proper sequence of responder procedures, notify the proper authorities and secure that scene and deny access to others.

#### Course Objectives:

- Define a hazardous material
- Identify hazardous materials by placards, labels and containers
- Identify the hazard classes/divisions
- Identify the dangers of each hazard class
- Identify shipping papers and locations for each mode of transportation
- Identify military hazards markings
- How use an Emergency Response Guidebook and its use during an emergency



6 – CEU Hours

**(ISO) Up to 6 – Hours**

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### ➤ Hazardous Materials – Awareness/Refresher

Course Hours: 3-6

Delivery Format: Traditional Classroom

This course is a refresher to material covered in the initial Awareness course. This course provides updates to the basic Awareness course and will address the requirements of OSHA for maintaining the knowledge and skill level for the First Responder at the Awareness Level.

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### ➤ Hazardous Materials – Operations

Course Hours: 32

Delivery Format: Traditional Classroom

*\*Certification is available for this level with successful completion of the testing process*

This course is based on NFPA 1072, 2017 edition, *Responders to Hazardous Materials/Weapons of Mass Destruction Incidents*. This course provides the emergency responder with the knowledge to respond to releases or potential releases of hazardous substances as part of the initial response. The knowledge acquired at the Operations level should enable the responder to contain the release from a defensive method and prevent exposures of the hazardous substance. Practical exercises and teamwork are included and emphasized in this course.

#### Course Objectives:

- Conduct a basic hazard and risk assessment of a hazardous material
- Understand basic hazardous materials terms and definitions
- Select and use the correct Personal Protective Equipment for the hazard
- Select correct defensive action to limit the spread of a hazardous material
- Establish a decontamination corridor
- Conduct emergency decontamination

**(ISO) Up to 6 – Hours**

➤ **Hazardous Material - Operations /Refresher**

Course Hours: 3-6

Delivery Format: Traditional Classroom

This course is a refresher to material covered in the initial Operations course. This course provides updates to the basic Operations course and will address the requirements of OSHA for maintaining the knowledge and skill level for the First Responder at the Operations Level.

➤ **Hazardous Materials – Technician**

Course Hours: 80

Delivery Format: Traditional Classroom

*\*Certification is available for this level with successful completion of the testing process*

This course is based on NFPA 1072, 2017 edition, *Responders to Hazardous Materials/Weapons of Mass Destruction Incidents*. This course provides the emergency responder with the knowledge to respond to releases or potential releases of hazardous substances as part of technical response. The knowledge acquired at the Technician level will enable the responder to contain the release of a product from an offensive method and prevent exposures of the hazardous substance. Practical exercises and teamwork are included and emphasized in this course.

Course Objectives:

- Gain an understanding of basic chemical and toxicological terminology and behavior
- Understand and function in an “offensive” manner
- Demonstrate competency in implementing the emergency response plan
- Determine and classify a product and be able to verify known and unknown materials
- Become skilled in the use of field survey instruments and equipment
- Function within an assigned role in the incident command system
- Develop an understand hazard and risk assessment techniques
- Perform advanced control, containment, and/or confinement operations,
- Implement technical decontamination procedures
- Implement termination procedures and incident documentation



**(ISO) Up to 6 – Hours**

➤ **Meth Lab Response – Awareness Level**

Course Hours: 4

Delivery Format: Traditional Classroom

The Drug Lab Scene Awareness course teaches clues to the presence of illegal meth labs so that appropriate action can be taken by first responders before they are exposed to the high risk materials involved in such an incident. Course material will present the risk of contamination from hazardous chemicals, conditions at the site, human actions and potential physical hazards commonly found at a clandestine drug lab. Course material provides specific training to the awareness level based on 29 CFR 1910(q).

Course Objectives:

- Identify safety precautions first responders should exercise when encountering a possible meth lab
- Identify types of labs by various clues
- Identify and list various chemicals used in a meth lab
- Identify possible characteristics and behaviors of meth addicts
- Given various chemicals used in meth labs identify their primary hazards

**(ISO) Up to 6 – Hours**

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## Firefighter Courses

➤ **Firefighter Basics**

Course Hours: 33

Delivery Format: Traditional Classroom

Firefighting Basics class is a course designed for the entry level firefighter, introduction to basic skills that will enable them to function safely on a fireground. This course is designed to be a hand off course that can be taught by local instructors.

Course Objectives:

- Firefighter orientation and introduction to Incident Command System, scene size-up
- Firefighter Safety
- Building Construction, Fire Anatomy and Fire Behavior
- Personal Protective Equipment/SCBA Classroom portion
- Fire control
- SCBA-Search and Rescue
- Basic ladders
- Hose Rolls/Hose Loads/Nozzle Operations
- Forcible Entry/Ventilation, Salvage/Overhaul/Fire Cause Determination



➤ **Introduction to Firefighting**

Course Hours: 12

Delivery Format: Traditional Classroom

Introduction to firefighting is a basic class that introduces students to several basic areas of firefighter skills and knowledge. The purpose of this class is to give students a basic understanding of firefighter skills and exposure to fire in a controlled and limited capacity.

Course Objectives:

- Introduction to fire behavior
  - Hose rolls, nozzles, and hose advancement techniques
  - Self-contained breathing apparatus, donning and use in SCBA maze
  - Raise and lowering of ladders
  - Hands on training with propane fueled tree prop
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➤ **Firefighter I**

Course Hours: 86

Delivery Format: Traditional Classroom and Blended Learning Format

*\*Certification is available for this level with successful completion of the testing process*

This course is designed to meet the requirements of NFPA 1001, 2019 edition, *Professional Qualification for Firefighter*. Students who successfully complete this course and the successful testing process offered at the end will become certificated both at the state and national level.

Prerequisites: Hazardous Material – Operations Level for Certification

Course Objectives:

- Firefighter orientation and safety, and history of the fire service
- Building construction, fire behavior and impact fire has on building components
- Identify the correct use of personal protective equipment and SCBA's
- Identify and apply the use of ropes and knots on the fireground
- Correct use and application of ground ladders
- Ventilation techniques: Horizontal, Natural, Mechanical and Vertical
- Understand and apply correct forcible entry techniques and tools
- Correct use of hose rolls, loads, nozzles and appliances on the fireground
- Establishment of a water supply in support of fireground operations
- Understand the use of portable fire extinguishers and its correct application
- Demonstrate the correct use of primary and secondary search techniques
- Fire Attack: structural, vehicle fires, Class A stacked material, and ground cover fires
- Salvage and overhaul skills and evidence preservation
- Fire department communications: Radios and phones
- Fire prevention and public education

**(ISO) Recruit Training Hours**

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## ➤ Firefighter II

Course Hours: 75

Delivery Format: Traditional Classroom

*\*Certification is available for this level with successful completion of the testing process*

This course is designed to meet the NFPA 1001 2019 edition, standard for Fire Fighter II, *Professional Qualification for Firefighter*. This course builds on the knowledge and skills mastered at the Firefighter I level and will enable the student to operate in any environment. Students who successfully complete this course and the successful testing process offered at the end will become certificated both at the state and national level.

Prerequisites: Firefighter I and Hazardous Materials – Operations

Course Objectives:

- Implementing an Incident Command system and operating as an initial Incident commander
- Conducting a scene size-up and establish command, strategies and determining initial tactics
- Reading building construction and fire behavior and determining incident priorities
- Leading an interior crew during fire suppression activities
- Use and application of vehicle rescue tools for victim removal
- Correct application of foam for fire suppression
- Safely control flammable gas incident
- Understand fire detection, suppression and alarm systems
- Complete pre-incident survey, fire inspection and completion of incident reports
- Conduct basic fire investigation to determine fire cause and origin

### **(ISO) Recruit Training Hours**

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## ➤ Live Fire Training – Propane Emergencies

Course Hours: 6

Delivery Format: Traditional Classroom

This course is designed to increase firefighter awareness of hazards and operations when dealing with propane emergencies. This course provides students with the knowledge and skills necessary for handling LP-Gas and propane emergency incidents. Course focus is on propane.



Course Objectives:

- Understand physical and chemical properties of propane
- Storage, transportation and system safety features and devices
- Tactical considerations for fire control and incident management and scene size-up
- Identify hazards of propane fires including BLEVE and product release
- Understand flow requirements for offensive and defensive tactics
- Hands on training of fire control with use of tank simulator

**(ISO) Facilities Training up to 18 hours per Year**

➤ **Live Fire Training – Foam**

Course Hours: 6

Delivery Format: Traditional Classroom

This course addresses the proper usage of different types of foam and its application to Class A and Class B fires. Participants will understand different appliances, applications methods, environmental issues, fire attack and protection possibilities, and hazardous materials usage. They will also work with different equipment and apply foam blankets to fire situations utilizing actual fire scenarios.

Course Objectives:

- Discuss and understand safety concerns and considerations when using foam
- Discuss various types of natural and synthetic foams and which fires they can be used
- Identify foam types and match them with the type of fuels they can be applied
- Understand the components of a foam system, rate of application, foam concentrates, and application techniques
- Demonstrate foam application techniques on live fire scenarios

**(ISO) Facilities Training up to 18 hours per Year**

➤ **Live Fire Training – Structural**

Course Hours: 6

Delivery Format: Traditional Classroom

This training course brings together all classroom training on fire behavior, building construction, incident management, scene size-up and firefighter safety. This course ties all of these skill sets together in a real world live fire environment. One of the Key purposes of this class is to enable the student to gain a degree of confidence in operating at a structure fire in a safe and effective manner.

Prerequisites: Students must have completed the Firefighter Skills as identified in NFPA 1403

Course Objectives:

- Recognize scene hazards and understand how to conduct a scene size-up
- Observe fire behavior and risk management skills
- Understand and operate within an Incident Command System
- Demonstrate the correct use of personal protective equipment (PPE) and SCBA's
- Demonstrate the use of hoselines, water supply and water application technics
- Identify the need for ventilation technics and the correct application of ventilation skills
- Conduct interior fire attack and suppression operations as a member of a team
- Conduct primary and secondary search skills and victim removal

**(ISO) Facilities Training up to 18 hours per Year**



➤ **Self-Contained Breathing Apparatus**

Course Hours: 12

Delivery Format: Traditional Classroom

This course provides students with an understanding of the self-contained breathing apparatus (SCBA) which is a critical part of a firefighter's protective equipment that allows them to operate in an Immediately Dangerous to Health (IDLH) environment.

Course Objectives:

- Identify environments that are encountered by firefighters that require use of an SCBA
- Understand the components of an SCBA and the different types of respiratory protection
- Understand the limitations and safety features of the SCBA
- Understand the physical requirements for donning and using an SCBA
- Identify and operate the safety features of an SCBA
- Demonstrate search techniques while operating as a member of a team
- Develop breathing techniques and air management skills

**(ISO) Facilities Training up to 18 hours per Year**

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➤ **Advanced Self-Contained Breathing Apparatus**

Course Hours: 12

Delivery Format: Traditional Classroom

This course builds on the material learned and mastered in the basic SCBA course. In addition to review basic SCBA concepts students receive update information on SCBA technology and skills.

Course Objectives:

- Air supply management and preservation
- Self-rescue techniques and firefighter survival
- Team accountability and communications
- Large and small area search and rescue techniques
- Shared air supply during RIT operations

**(ISO) Facilities Training up to 18 hours per Year**

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➤ **Self-Contained Breathing Apparatus Refresher**

Course Hours: 3-6

Delivery Format: Traditional Classroom

This course provides students with a refresher of the material covered in the initial SCBA class. This course reviews the use and limitations of the SCBA and new technology and NFPA standards that affect this critical component of a firefighter's personal protective equipment ensemble.

**(ISO) Facilities Training up to 18 hours per Year**

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➤ **Basic Foam Operations**

Course Hours: 6

Delivery Format: Traditional Classroom

This class provides the firefighter with a basic understanding of the common types of firefighting foams (for Class A, Class B, & Polar Solvent fuels) and delivery systems and methods of application.

Course Objectives:

- Identify different types of foam and how they are made
- Identify types of fires or materials and match correct foam type
- Components of a foam delivery system necessary for foam application
- Hands on application of foam through four different application techniques

**(ISO) Facilities Training up to 18 hours per Year**

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➤ **Fire Extinguisher Training**

Course Hours: 8

Delivery Format: Traditional Classroom

This course introduces firefighters/students to portable fire extinguishers, their applications and routine maintenance.

Course Objectives:

- Understand the different Classes of Fire
- Identify the different types of fire extinguishers
- Match correct extinguisher with correct Class of Fire
- Gain understanding of the PASS acronym
- Understand maintenance requirements for fire extinguishers
- Identify requirements for correct location of fire extinguishers
- Demonstrate correct use of an fire extinguisher during hands on training

**(ISO) Facilities Training up to 18 hours per Year**

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➤ **Thermal Imaging Cameras (TIC)**

Course Hours: 8

Delivery Format: Traditional Classroom

The material will give students a basic understanding of Thermal Imaging Cameras (TIC). Students will become familiar with the thermal imaging camera application and operations, including departmental SOGs for camera usage.

Course Objectives:

- Discuss the principles and theory of how a thermal camera operates
- Identify situations and applications where a camera can assist the firefighter such as but not limited to Scene size-up, RIT, overhaul and salvage applications
- Discuss limitations of the TIC and situations where a camera may not be reliable
- Firefighter safety and situational awareness while using a TIC



**(ISO) Facilities Training up to 18 hours per Year**

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## Driver / Operator Courses

### ➤ **Driver/Operator – Pumper**

Course Hours: 32

Delivery Format: Traditional Classroom

*\*Certification is available for this level with successful completion of the testing process*

This course presents the student with necessary skills to drive the fire apparatus, equipped with a pump, from station to the fire scene, enable the pump and safely and effectively deliver a water-stream to the firefighters on the nozzle. This course is designed to meet objectives of NFPA 1002, 2017 edition, Chapters 4 and 5, *Fire Apparatus Driver/Operator Professional Qualifications*.

#### Course Objectives:

- Fire apparatus and construction, safety features
- Inspection and maintenance of the apparatus and pump
- Fire pump theory and fireground hydraulics
- Safe operation of the pump, valves, pressure control devices
- Water supply urban and rural, priming and drafting principles
- Fire streams and hydraulic calculation
- Fire flow for hand and master stream devices
- Driving skills for safe movement of apparatus: confined space, restricted clearance, serpentine

**(ISO) New Driver / Existing Driver 12+ Hours**

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### ➤ **Basic Pump Operations**

Course Hours: 12

Delivery Format: Traditional Classroom

This course covers proper procedures used in pumping large and small fire apparatus mounted pumps at safe pressures and maintaining a fire stream to adequately suppress fire with step-by-step manipulative skills.

#### Course Objectives:

- Review of the different types of fire pumps
- Fire ground hydraulics, friction loss, loss/gain of elevation pressures
- Water supplies for fireground operations
- Five Step-method of pump operations
- Hydrant and drafting water sources

**(ISO) New Driver / Existing Driver 12+ Hours**

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➤ **Emergency Vehicle Driver Training**

Course Hours: 4

Delivery Format: Traditional Classroom

This course is designed for all firefighters who drive emergency vehicles in response to a call for assistance. This course can be used as initial training for new emergency vehicle drivers to learn strategies to safely operate emergency vehicles in emergency and non-emergency situations. This course is an effective method to train new and experienced drivers to be safe while driving an apparatus or ambulance.

Course Objectives:

- Review the role and responsibilities of the emergency vehicle driver/operator
- Identify what safe driving practices are and how to safely operate on a roadway
- Define what defensive driving is and the principles that foster safe driving skills
- Understand safe driving operations during emergency response
- Identify the differences in how different each type of apparatus drives
- Understand accident prevention through situation awareness and safe practices



4 – CEU Hours

**(ISO) New Driver / Existing Driver 12+ Hours**

➤ **Emergency Vehicle Driver Refresher**

Course Hours: 4

Delivery Format: Traditional Classroom

This course is designed as a refresher for firefighters who have already completed the initial EVOC course. This course is used as a reminder of the challenges of driving a fire apparatus/ambulance and to refresh basic safety skills for the driver and passengers.

➤ **Rural Water Supply**

Course Hours: 12

Delivery Format: Traditional Classroom

Reliable water is a requirement for all fireground operations; this course will teach participants how to establish a sustainable water supply for firefighting activities in a rural setting. Through classroom principles and hands on training students will gain the skills and abilities to ensure a water supply in the rural environment.

Course Objectives:

- Use of the Incident command system during water shuttle operations
- How to calculate water supply for obtaining a sustainable water shuttle operation
- Water sources for rural firefighting operations
- Requirements for tank fill sites and dump sites, dump tank set-up and deployment
- Understanding requirements for hose, adapters, hose, and appliances for rural operations
- Safety during water shuttle operations

## Fire Officer Course

### ➤ Fire Instructor I

Course Hours: 32

Delivery Format: Traditional Classroom

*\*Certification is available for this level with successful completion of the testing process*

This course introduces participants and prepares them to become instructors in the fire service. This course enables students to become effective instructors which are one of the most important and influential positions within a fire department. This course meets objectives of NFPA 1041 2019 edition, *Fire and Emergency Services Instructor Professional Qualifications* Chapter 4 – Instructor 1.

#### Course Objectives:

- Gain an understanding of what a course objective is and how it relates to training
- Identify the parts of a lesson plan
- Adult learning methodology
- Presentation techniques for adult learners
- Classroom set up and the use of audio and visual aids when presenting a lesson plan
- Test administration and student feedback

**(ISO) Officer CEU's 12 Hours**

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### ➤ Fire Officer I

Course Hours: 40

Delivery Format: Traditional Classroom

*\*Certification is available for this level with successful completion of the testing process*

Prerequisites: Firefighter II, Fire Instructor I for Certification

The Fire Officer I course is designed to provide the front line company level officer with the skills as established by the NFPA 1021, 2019 edition, *Standard for Professional Fire Officer*. This level of officer is typically in charge of a single fire company or station, with information and skills required for success. This course requires multiple written assignments to be submitted as part of the course work.

#### Course Objectives:

- Understanding of the company officer role in the fire department organization
- Perform routine administrative functions
- Complete reports and follow department administrative policies
- Apply human resource skills in completing assignments, employee evaluations
- Supervise company level personnel during in-service training, complete tasks
- Interact with the community by assisting with complaints, public education and public inquiries
- Complete company level pre-incident planning and life safety business inspections
- Manage an incident using an Incident Command System
- Complete initial accident investigations
- Conduct a post-incident analysis (PIA).

**(ISO) Officer CEU's 12 Hours**

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➤ **Fire Officer II**

Course Hours: 32

Delivery Format: Traditional Classroom

*\*Certification is available for this level with successful completion of the testing process*

Prerequisites: Fire Officer I for Certification

Fire Officer II is a front line officer or a supervising officer in the fire department organization. This course expands on the material covered in the Fire Officer I course and follows the NFPA 1021, 2019 edition, *Standard for Professional Fire Officer*. This course requires multiple written assignments to be submitted as part of the course work.

Course Objectives:

- Perform routine administrative functions such as employee evaluations and work plans
- Follow department/agency administrative policies while interacting with internal and external agencies
- Assist in the budget and bid process
- Interact with the media by assisting press releases
- Manage multi-unit responses to an incident
- Complete initial investigation of a fire scene and determine cause or request an investigator
- Review initial accident reports and make recommendations to change policy or procedures
- Conduct a post-incident analysis (PIA)

***(ISO)* Officer CEU's 12 Hours**

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➤ **ICS – 300 Intermediate ICS for Expanded Incidents**

Course Hours:24

Delivery Format: Traditional Classroom

Prerequisites: NIMS 100, 200, 700, 800

This course presents the student with a more in-depth look at the Command and Management component of National Incident Management System and National Response Plan. This course provides information and knowledge for the incident management team with the ability to manage an expanding incident that requires a stronger set of skills in incident management and planning.

Course Objectives:

- Review ICS fundamentals and the relationship of ICS and NIMS
- In depth discussion of the Unified Command features, advantages and functions
- Develop incident objectives during a simulated multi-agency scenario
- Focus on the planning process and the development of an Incident Action Plan (IAP)
- Planning Process- planning for incidents vs events planning
- Identify the ICS forms used during the planning and development process for an IAP
- Identify the various meetings and briefings that are part of the Planning “P”
- Discuss demobilization, transfer of command, and close out process for an incident

***(ISO)* Officer CEU's 12 Hours**

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➤ **ICS – 400 Advanced ICS for Operations First Responders**

Course Hours:24

Delivery Format: Traditional Classroom

Prerequisites: NIMS 100, 200, 300

This course builds on the concepts and processes developed in the NIMS 300 course by continuing to expand the incident command system and planning process.

Course Objectives:

- Review of the ICS fundamentals for Command and General Staff positions
- Discuss the challenges of major and/or complex incident/event management
- Discuss the four expansion options and how they apply in an incident
- Define what Area Command is and its advantages, organization and its six primary functional responsibilities, and application to a given scenario
- Multi-Agency coordination defined, its primary components, major guidelines for establishment
- Problems when MA's are not implemented
- Personnel positions and distinct roles as compared to Area Command and Unified Command

**(ISO) Officer CEU's 12 Hours**

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➤ **Art of Reading Smoke**

Course Hours: 4

Delivery Format: Traditional Classroom

This class presents the concepts that will enable students to “read” smoke at a structure fire can assist the incident commander and firefighters to understand what type of material is burning, where the fire is going and how to take actions to control the incident.

Course Objectives:

- Understand how to look at smoke tactically during initial size-up
- Learn the key components of determining fire location, stage of fire, ventilation and safety
- Building construction and fire behavior
- Discuss the relationship of proper size up procedures and effective fire attack
- Evaluate fire behavior and methods of determining fire spread and deteriorating fire conditions

**(ISO) Officer CEU's 12 Hours**

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➤ **Scene Preservation**

Course Hours: 4

Delivery Format: Traditional Classroom

The purpose of this course is to provide firefighters and first responders with information about detecting, preserving, and securing evidence at fire scenes for further investigation. Building on the skill set learned in Firefighter II this class will help students to understand the need for protecting fire cause evidence and methods to preserve and protect a fire scene.

**(ISO) Officer CEU's 12 Hours**

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➤ **Traffic Incident Management**

Course Hours:

Delivery Format: Traditional Classroom

The Traffic Incident Management - Operations course is designed for Firefighters who may be called to operate at traffic incidents. This course will teach Firefighters how to operate in a safe and coordinated manner with other responder agencies to quickly clear traffic incidents from the roadway. The National Traffic Incident Management (TIM) Responder Training Program was created as part of SHRP 2, which was authorized by Congress in 2005.

Course Objectives:

- Discuss the need for proper Traffic Incident Management on an roadway incident
- How to establish a Traffic Incident Management Area
- Scene management and communication
- Safe positioning of response vehicles to protect the scene and first responders
- Scene safety practices and requirements
- Demobilize a Traffic Incident Management Area.

**(ISO) Officer CEU's 12 Hours**

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## Wildland Courses

### ➤ **Drip Torch Operations**

Course Hours: 4

The course introduces the roles and responsibilities of a firing boss (FIRB) and outlines duties of other personnel who may engage firing operations. The course discusses and illustrates common firing devices and techniques. This course follows the requirements of NWCG S-219.



#### Course Objectives:

- Identify the roles and responsibilities of the FIRB for planning, execution, safety, coordination, and evaluation of an ignition operation on a wildland or prescribed fire
  - Describe the characteristics, applications, safety and availability of the various firing devices a FIRB has at their disposal
  - Given a wildland or prescribed scenario, prepare a firing plan and briefing that contains desired fire behavior, firing techniques, required resources, coordination, safety and risk management factors, and communication, to meet specific objectives
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### ➤ **Wildland Aircraft Tactics / Pilot Rescue**

Course Hours: 12

Delivery Format: Traditional Classroom

This course focuses on the proper procedures in utilizing aircraft to assist fighting wildland fires. In addition to use of aircraft for wildland firefighting, this course also discusses the extrication of a pilot of a downed aircraft.

#### Course Objectives:

- Wildland fire history and proper notification procedures
  - Types of aircraft used during a wildland incident
  - Setup of airport and non-airport staging areas
  - Aircraft safety, loading procedures
  - Extinguishing agents used in the wildland environment
  - Awareness of hazardous materials carried on aircraft
  - Pilot rescue and disentanglement
  - Hands on training and rescue scenarios
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### ➤ **Pilot Rescue Refresher**

Course Hours: 4-6

This course provides students with a refresher of the material covered in the initial Wildland Aircraft and Pilot rescue course. This class addresses changes to policies that affect wildland firefighting, changes in aircraft types, extinguishment agents and review of safety while working around aircraft.

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➤ **Wildland Firefighter Red Card S-130/S-190**

Course Hours: 32

Delivery Format: Traditional Classroom

This course provides information for firefighters to operate safely in the wildland fire environment. This program meets all National Wildland Coordinating Group (NWCG) Standards required to attain NWCG-FireFighter-2 Level. This course is a compilation of the 3 courses that NWCG (National Wildfire Coordinating Group) requires to be qualified as a FFT2 Basic Wildland Firefighter. Those three classes are: S-190 – Introduction to Wildland Fire Behavior, S-130 – Firefighter Training and L-180 – Human Factors on the Fireline.

Course Objectives:

- Wildland terminology, resource typing and firefighter preparedness
- Incident command system (ICS) overview and team accountability
- Risk management and communications
- Hazardous materials awareness
- Wildland/urban interface and transportation safety
- Wildland fire triangle: environmental factors of fuel, weather, topography
- Fire behavior in wildland environment
- Map reading and firefighting tactics
- Personal protective equipment
- PPE and fire shelter deployment
- Correct use and maintenance of hand tools
- Fire line construction techniques, mop-up and securing the fireline
- Standards of survival



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➤ **Wildland Firefighter Refresher**

Course Hours: 8

Delivery Format: Traditional Classroom

This course provides for the required annual refresher training for wildland firefighters who have earned a Red Card qualification. This course addresses changes in wildland fire community and provides update information and skills training which allows qualified individuals to operate in a wildland fire environment.

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➤ **Wildland Fire Safety: Heavy Equipment Operations**

Course Hours: 3

Delivery Format: Traditional Classroom

This course is designed for Heavy Equipment Operators that are called on to assist with controlling wildland fires. It is presented to both county and state road employees in an effort to keep them safe while operating on a wildland incident.

Course Objectives:

- Operators personal safety
  - Understanding of what safety zones are and how to create them
  - Recognizing extreme fire behavior and conditions
  - Discussion of case studies involving wildland incidents
  - Discussion of correct dozer/maintainer line construction
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➤ **Wildland Fires and Fine Fuels**

Course Hours: 6

Delivery Format: Traditional Classroom

This class is designed to address the volatility of fires in fine fuels (grasses) that are found in Nebraska. Students will be introduced to the various types of native prairie grasses and other challenges encountered while fighting wildland fires.

Course Objectives:

- Wildland fire behavior: fuel, topography and weather
  - Burning characteristics of fine fuels unique to Nebraska prairie grasses
  - Firefighter safety
  - Recommended personal protective equipment
  - Tactics, equipment, and water additives
  - Use of aircraft as part of fire suppression tactic
  - Navigating with maps and use of GPS
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## ➤ **Wildland Fire Engine Operations**

Course Hours: 4

Delivery Format: Traditional Classroom

This course is designed to give the firefighter an understanding of safe and sound safety practices while operating wildland fire engines. It also gives them an understanding of direct, indirect, and combination fire attack methods utilizing wildland engines.

### Course Objectives:

- Understand their responsibilities in responding safely
  - Understand the different types of engines and their capabilities
  - Know the type of equipment that should be covered on wildland engines
  - Understand the three basic types of wildfire attack with an engine
  - Properly maintaining the engine/apparatus
  - Requirements for qualifying engine for Federal Agreement
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## Rescue Courses

### ➤ **Basic Rope Rescue**

Course Hours: 15

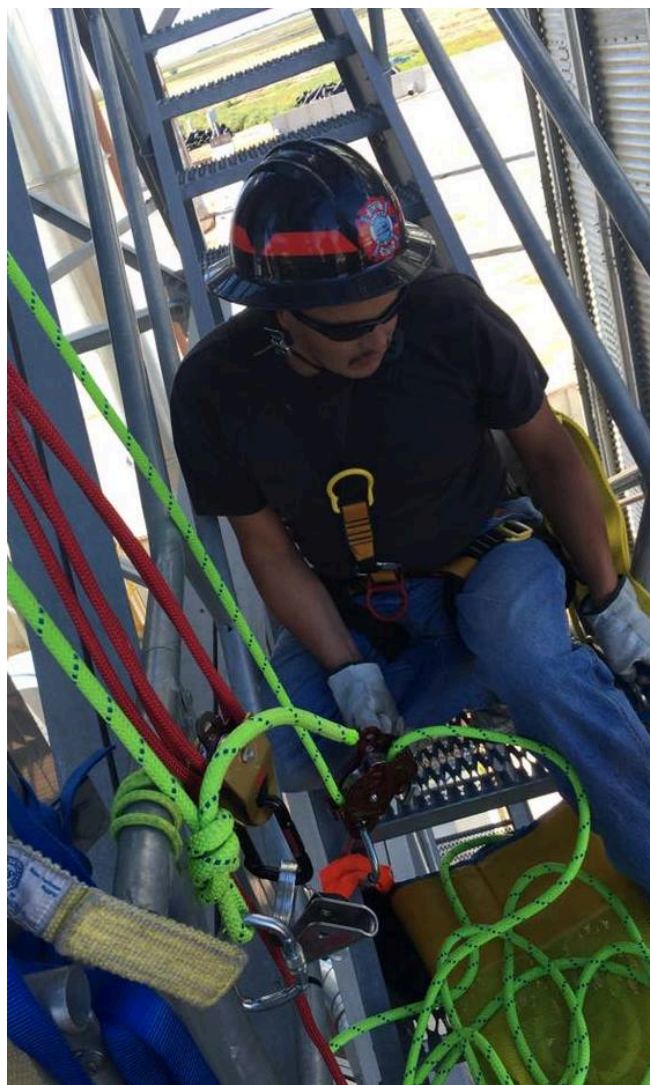
Delivery Format: Traditional Classroom

This course covers the basics of technical rope rescue as identified in NFPA 1006 and NFPA 1670. This class covers basic knots, equipment and safety skills used in a rope rescue environment. This course will include classroom and hands on application of skills in an elevated environment.

#### Course Objectives:

- Required safety equipment to safely operate in this rescue environment
- Identify potential sites that would require rope rescue skills
- Basic knots, harness work, rope and equipment specifications, terminology
- Identify anchor points for rope systems
- Basics of rope repel
- Identify the different mechanical advantage systems for use in a high angle environment
- Demonstrate the ability to conduct victim rescue and victim pick-offs

 4 – CEU Hours



### ➤ **Basic Rope Refresher**

Course Hours: 6

Delivery Format: Traditional Classroom

The Training Division realizes that skills not used often enough can be lost. This class is designed to be a “refresher” class meant to update and further improve the skills taught in the Basic Rope Rescue class and is not intended to instruct beginners in all the aspects of rope rescue. Subjects covered would include knots, harness work, equipment needs and maintenance, anchoring, and mechanical advantages.



## ➤ **Advanced Rope Rescue**

Course Hours: 12

Delivery Format: Traditional Classroom

Prerequisites: Basic Rope Rescue

Advanced rope rescue builds on the skills and concepts taught and mastered in the basic rope rescue class. In this course more technical skills will be presented that will prepare the rescuer with the ability to perform in a variety of high angle/high risk environments while working as a member of a team. Upon completion of basic rope rescue, this course can be taken. Advance rope rescue deals with the team concept of rescue, as well as different types of rescue such as Hi-Rise, Canyon Work, and others. Material in this course is based on NFPA 1006 and NFPA 1670.

Course Objectives:

- Review safety rules for high angle rescue environment
- Establish safety zones for by-standers and rescue workers
- Review of equipment, knots, and safety procedures
- Review basic anchors systems set-ups and progress to multi-system arrangements
- Identify mechanical advantage systems and liter operations
- Set up and use of Telfer line systems
- Identify the use and setup of a high line system
- Demonstrate skill proficiency through team work and scenarios



4 – CEU Hours

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## ➤ **Confined Space Rescue**

Course Hours: 15

Delivery Format: Traditional Classroom

This course provides the student with an overview of the requirements found CFR 1910.146(k) and NFPA 1006. Students will understand federal regulations related to confined space rescue. Students will identify what a confined space is and be instructed in the proper procedures to utilize during a confined space rescue operation.

Prerequisites: Basic Rope Rescue, Hazmat – Awareness Level, Basic 1st Aid/CPR.

Course Objectives:

- Identify what a confined space is, permitting requirements and the hazards of a confined space
- Understand the Federal Regulations that govern confined space entry
- Establish safety zones for by-standers and rescue workers
- Demonstrate the ability to complete lock-out/tag-out energy isolation systems
- Identify the roles and responsibilities of entry attendants and entrants
- Identify the need for air monitoring and the use of monitoring devices
- Set up and use of patient retrieval systems
- Victim stabilization and removal methods/systems
- Demonstrate skill proficiency through team work and scenarios



4 – CEU Hours

➤ **Confined Space Refresher**

Course Hours: 3-6

Delivery Format: Traditional Classroom

This course is a refresher to material covered in the initial Confined Space course. This course provides updates to the basic Confined Space course and will address changes that have an impact on first responders who would respond to a Confined Space incident.

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➤ **Vehicle Extrication**

Course Hours: 12

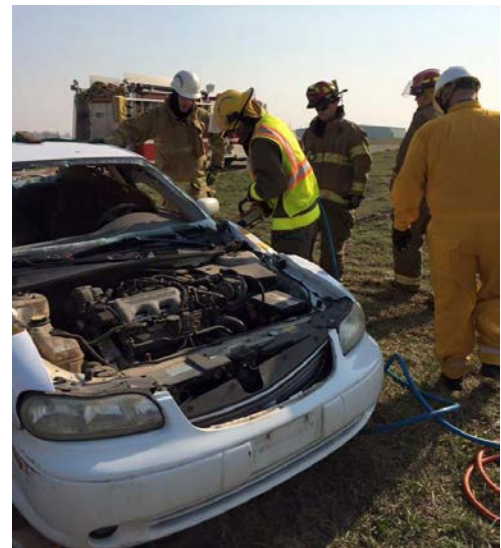
Delivery Format: Traditional Classroom

This course addresses the responsibilities of firefighters in response to a vehicle accident and how to safely manage a scene and provide the safe removal of victims of a vehicle accident. This course also addresses new technology that is found in today's vehicles. This course addresses requirements for Firefighter II (NFPA 1001) and Rescue Technician – Vehicle Extrication (NFPA 1006).

Delivery Format: Traditional Classroom

Course Objectives:

- Conduct a scene size-up and establish incident command
- Establish safety zones and apparatus placement for scene protection
- Mitigation of vehicle extrication hazards (fuels, ignition sources and other hazards)
- Vehicle anatomy and terminology
- New vehicle technology; airbags, alternative fuel vehicles
- Understand the principles of vehicle stabilization
- Identify access points for safe removal of patients/victims
- Understand patient care and patient disentanglement principles
- Hands on use of extrication tools and equipment



✦ 4 – CEU Hours

➤ **Vehicle Extrication Refresher**

Course Hours: 3-6

This course is a refresher to material covered in the initial Vehicle Extrication course. This course provides updates to the basic vehicle extrication course and will address changes and new technology that has an impact on the firefighter who would respond to a vehicle accident.

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## ➤ Heavy Rescue

Course Hours: 12

Delivery Format: Traditional Classroom

This course builds on the concepts learned in Vehicle extrication and applies them to large vehicles. This course provides hands-on training for fire and rescue personnel in large vehicle extrication with emphasis on proper extrication techniques when dealing with large vehicles such as buses, trucks, and semitrailers. This course addresses requirements for Rescue Technician – Vehicle Extrication (NFPA 1006).

Prerequisites: Vehicle Extrication

Course Objectives:

- Large vehicle anatomy
- Mitigation of scene hazards (fuel, ignition sources, other hazards)
- Scene management and safety
- Large vehicle stabilization
- Patient care and disentanglement
- Hands on scenarios and evolutions



🚑 4 – CEU Hours

## ➤ Responding to Agriculture Emergencies

Course Hours: 12

Delivery Format: Traditional Classroom

As responders in a state where agriculture is a major part of our economy and its history is interwoven into the culture of our state this class focuses on assisting during an emergency involving agricultural related incidents. This course covers various topics involving farm equipment and other associated hazards in the agricultural environment.

Course Objectives:

- Identify the four phases of rescue
- Scene management and scene safety
- Identify correct Personal Protective Equipment for ag emergencies
- Lock out/Tag out procedures
- Extrication principles involving Tractors, Combines, grain augers, other equipment
- Stabilization techniques for farming equipment
- Other ag hazards: electrical, hazardous materials, manure pits, grain bins, live animals
- Patient assessment, stabilization and removal

🚑 4 – CEU Hours

➤ **Ice Rescue**

Course Hours: 16

Delivery Format: Traditional Classroom

Hazards involving ice/water hazards are a unique rescue environment on many levels. The best rescue techniques for this hazard are not to become part of it by avoiding it all together.

Course Objectives:

- Identify the unique properties and associated problems associate with ice/water environment
- Scene management and size-up, hazards zones and pre-planning for this type of rescue
- Determining ice strength and most common dangers associate with ice
- Self-rescue techniques for the victim and responder
- Recognize medical related issues: hypothermia, dehydration and other health concerns
- Rescue techniques for responders



4 – CEU Hours

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➤ **Grain Bin Rescue**

Course Hours: 16

Delivery Format: Traditional Classroom

This course is designed for the first responders who respond to a grain bin rescue when the call is received by 911. The scope of this course is to educate responders about the challenges and hazards associated with grain bins that are a part of the agriculture business in Nebraska and how to safely manage the incident. This course reviews and follows appropriate guidelines as identified in OSHA.

Prerequisites: Basic Rope Rescue, Confined Space Rescue

Course Objectives:

- OSHA regulations, definitions, liabilities and grain bin rescue
- Lock-out/Tag-out procedures as prescribed by OSHA
- Preplanning potential response and necessary rescue resources for a grain bin rescue
- Grain storage facilities and types of construction, operating features
- Physical hazards associated with this type of rescue environment
- Scene management and safety of the responder and victim
- Locating, securing, packaging, moving and removing the victim
- Mechanical advantage and retrieval systems
- Proper use of cutting tools
- Scenarios and team evolutions for successful rescues



4 – CEU Hours

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## **National Fire Academy Course**

The Training Division offers the following National Fire Academy (NFA) courses:

Command and Control of Incident Operations  
Command and Control in the Urban Interface for Company Officers  
Decision Making for the Initial Company Operations  
Emergency Operations Incident Management w/Simulations  
ESS: Executive Leadership with Communities  
ESS: Executive Leadership to Facilitate Change  
ESS: Executive Leadership Ethically  
Firefighter Safety Culture: Who Protects Firefighters from Firefighters  
Health and Safety Officer  
NIMS: ICS for EMS  
NIMS: ICS for the Fire Service  
Incident Command for High-rise Operations  
Incident Safety Officer  
Leadership I – Strategies for Fire & EMS: Company Success  
Leadership II – Strategies for Fire & EMS: Personal Success  
Leadership III – Strategies for Fire & EMS: Supervisor Success  
New Fire Chief I: Challenging Issues  
New Fire Chief II: Administrative Issues  
Principles of Building Construction: Combustible Construction  
Principles of Building Construction: Non-Combustible Construction  
Politics and the White Helmet  
Shaping the Future  
Strategy and Tactics for the Initial Company Operations  
Training Operations for Small Departments  
Wildland Urban Interface for the Company Officer  
Youth Fire Setting: Prevention and Intervention I