



# 2018



## North Country International Fire Training School Two Day Classes

### 1. ROOKIE

This course addresses the needs of new firefighters in their duties, obligations and requirements necessary for basic firefighting and instructs them in the tactics, equipment and safety of fire ground operations. **Applicants shall be new recruits in the fire service.**

**(Minimum age: 18) Full protective gear and SCBA required.**

**Class Limit – Min. 10 / Max. 32.**

### 2. SCHOOL BUS EXTRICATION

This course classroom session covers bus types, basic structure and the construction of buses. It also includes areas to be covered in extrication, proper tools to be used, basic mass casualty control and possibly a walk-through of some area buses if available. Field work consists of extrication techniques of buses both on their wheels and on their sides.

**PRE-REQUISITE: Basic Vehicle Rescue course is necessary.**

**Full protective gear, including safety glasses is required – no SCBA.**

**Class Limit – Min. 10 / Max. 16.**

### 3. INTRODUCTION TO PUMPS

Introduction to Pumps is an entry-level pump operation course. The intent of the class is to provide the student with the basic mechanical and theoretical knowledge needed to become a pump operator. The class will help the student develop an understanding of the basic theoretical, mechanical and operational concepts that govern the use and operation of a fire pump. Emphasis is on the practical application of pump operation theory. Course content is a balance of NFPA/IFSTA published guidelines and the practical real world experiences of the instructors and past students. The class includes approximately 4 hours of classroom instruction and 8-10 hours of hands on exercises. Each exercise is specifically designed to simulate operations actually performed on fire scenes. The short evolutions are designed to provide maximum pump panel time for the students.

**PRE-REQUISITE: Full protective gear will be required – no SCBA**

**Class Limit – Min. 10 / Max. 20.**

### 4. FARM RESCUE

This course will orient students to the activities and hazards found on today's farms and the injuries, illnesses and rescue extrication techniques associated with them. Students will visit a farm to identify conditions, scenarios, livestock and machinery they may experience during an actual call. Hands-on practice may include disentanglement from farm machinery, tractor run-over, hazardous materials or high angle rescue situations. The course uses lecture/discussion, video/slides and farm tour/practical situations.

**PRE-REQUISITE: Full protective gear will be required – no SCBA.**

**Class Limit – Min. 10 / Max. 20.**

## **5. EMERGENCY PEDIATRIC CARE**

The Emergency Pediatric Care (EPC) course focuses on critical pediatric physiology, illnesses, injuries and interventions to help EMS practitioners provide the best treatment for sick and injured children in the field. The course stresses critical thinking skills to help practitioners make the best decisions for their young patients. Topics covered include: The patho-physiology of the most common critical pediatric emergency issues; Application of the Pediatric Assessment Triangle (PAT); The importance of family-centered care; Understanding and communicating with children; Airway management, breathing and oxygenation; Cardiac emergencies; Recognizing child abuse and neglect; Hypo-perfusion and shock; and Newborn resuscitation. EPC is appropriate for EMTs, paramedics, EMRs, nurses, nurse practitioners, physician assistants, and physicians. EPC is accredited by CAPCE and recognized by NAEMT.

**This is a two day provider course (includes NAEMT registration and latest edition book).**

**Class Limit – Min. 10 / Max. 20.**

## **6. (RIT) RAPID INTERVENTION TECHNIQUES – LEVEL 1**

The BASICS - this class is the basics of Rapid Intervention Techniques as it covers the tasks of the first engine on scene, defines the 2 in and 2 out principal, how to organize a plan and to also determine which tools are to be used to help other firefighters stay alive. This class is physically demanding on personnel and all equipment.

**PRE-REQUISITE: Full protective gear, including SCBA unit and spare cylinder is required.**

**Note that PPE damage may occur.**

**Class Limit – Min. 10 / Max. 16.**

## **7. STRATEGY & TACTICS: DECISION MAKING & ACTION PLANNING**

This course will depict and explain the most common causes of injuries and deaths firefighters encounter while operating in building fires. Topics will include the importance of the three phases of Size Up: Command Sequence, Logical Thought Process for Decision Making and Action Planning the Outcome of Incident Priorities. The course emphasizes the importance of using the Command Sequence during various scenarios. Selecting tactics and implementing the Action Plan while using Effective Communications and Delegating Assignments to implement the Action Plan. Incident Command System, Incident Management Functions and Staging Areas defined. The goal is to give students an appreciation of how serious the problem of firefighter's injuries and death really is to each individual.

**Class Limit – Min. 10 / Max. 20.**

## **8. BUILDING CONSTRUCTION & BUILDING COLLAPSE**

The construction of a building will have a significant impact on how a building will react in a fire and how the building will hold up to the stresses placed upon it by fire or other forces. Building collapses can bring about catastrophic life loss and injuries. How a building is constructed will directly relate to how the fire department will operate and how a building will collapse. Course topics include: the five building construction classes and how they react in fires and collapse, construction materials and techniques, fire behavior in different building materials, collapse warning signs and collapse types. The course will also look at the fundamentals of collapse rescue.

**Class Limit – Min. 10 / Max. 30.**

## 9. FLAMMABLE GAS FIRE CONTROL

This course discusses the physical properties of flammable gases and the handling of flammable gas emergencies. The course will provide the knowledge and skills to successfully mitigate flammable gas leaks and fires by discussing fire suppression and vapor control techniques and providing a familiarization of different gas system components. Students will gain a knowledge base in the classroom and then conclude the course by participating in several live fire exercises. All students must meet the prerequisites for live fire training as outlined in NFPA 1403.

**PRE-REQUISITE: Full Protective Gear, including SCBA unit and spare cylinder is required.**

**Class Limit – Min. 16 / Max. 18.**

## 10. INTRODUCTION TO VENTILATION OF STRUCTURES

In any fire, the smoke and heat cause problems not only for primary search and rescue operations, but also in controlling and extinguishing the fire. This course will present some basic principles to help you decide on the best approach based upon the size-up upon arrival at the fire scene. Coordinating, communication and controlling the ventilation, use of “Vent Groups” and the use of positive pressure will be discussed and all will be practiced in the field. Safety is uppermost, both for interior and exterior evolutions in this hazardous activity.

The course will cover single story family, two-story family, multiple attached family, attics, basements, strip-malls, large businesses and high rise occupancies. The field exercises will examine the use of tools to use on the various types of roofs, walls, doors and windows to accomplish the tasks at hand.

**PRE-REQUISITE: Full Protective Gear, SCBA and Spare Cylinder.**

**Class Limit – Min. 12 / Max. 16.**

## 11. WILDERNESS SEARCH & RESCUE

This class will go over the basic skills needed to participate in a search and rescue operation. The first day will focus on “Search,” including terminology, initial actions, proper clothing and equipment plus strategy and tactics to locate a missing person in the backcountry. The second day will provide “Rescue” instruction in basic extrication techniques, including patient packaging and safe litter movement over moderate and low angle terrain.

No prior search and rescue experience is required. If participants have a compass and a GPS, they should bring them to the class.

**PRE-REQUISITE: Protective outdoor footwear, leather gloves, helmet and clothing - ‘rain or shine.’**

**Class Limit – Min. 10 / Max. 20.**

## 12. INTRO TO MINIMAL MANPOWER TACTICS

This course will examine various ways of efficiently using manpower on fire scenes and includes techniques including Water Supply, Fire Attack, Search and Rescue and Ventilation Techniques which can be used to reduce or supplement manpower on-scene. The first day will include scenarios where discussions will examine both theoretical and practical experiences. The second day field training will make use of equipment and procedures to reduce the time spent on each task.

**PRE-REQUISITE: Full Protective Gear, SCBA and Spare Cylinder.**

**Class Limit – Min. 10 / Max. 20.**

### **13. INTRODUCTION TO TECHNICAL RESCUE**

The objectives of the course is to give novice students an overview and basic understanding of a field they are hoping to enter. Upon completion the students will have the knowledge to pick a chosen group of Technical Rescue disciplines to expand their training. The students will learn NFPA 1006 Standard for Technical Rescue Professional Qualifications and understand the job performance requirements as well as NFPA 1670 Standard for Technical Rescue. The course will include classroom and field work with rope, confined space, water rescue, trench and structural collapse equipment.

**PREREQUISITE: Full Protective Gear, including Helmet, gloves, eye protection and proper protective footwear.**

**Class Limit – Min. 10 / Max. 20.**

## **One Day Classes**

### **14. HOSES AND NOZZLES: (offered on Saturday ONLY)**

The course is designed to heighten awareness to the various types of equipment that create fire streams and develops a basic understanding of the different types of nozzles in use today. It exposes the following critical factors contributing to success of the firefighter interaction with this equipment. Flow, function, relationship of pressure to GPM and limitations due to nozzle reaction. A basis of understanding is developed drawing on statistical information from UL, NIST, ISO, NFPA 1710 section 5.2.3, 1720 and 1962. The course focuses on identifying the safe, effective GPM delivery capability of individual firefighters and companies as it relates to the limitations of equipment in use.

**PRE-REQUISITE: Full Protective Gear will be required. No SCBA.**

**Class Limit – Min. 10 / Max. 20.**

### **15. ARSON INVESTIGATION BASICS AND SCENE PRESERVATION**

**(offered on Sunday ONLY)**

The course provides the student with basic Fire Investigation knowledge and skills that will aid them in what to look for and preserve during fire suppression and overhaul operations. The course instruction includes lecture, several practical exercises and is designed to walk the student through several fire scene investigations. The student will also learn the statutory obligations given to the Chief of their Departments and the Fire Service as a whole, relative to Origin and Cause determination. **A section of the course will involve an examination of a burned structure.**

**PRE-REQUISITE: Full Protective Gear, including SCBA unit and spare cylinder is required.**

**Class limit – Min. 10 / Max. 20.**

### **16. FORCIBLE ENTRY BASICS (offered both on Saturday and on Sunday)**

This 8-hour course is tailored to firefighters of all skill levels and covers basic Forcible Entry theory and techniques. Included are several fundamental topics regarding forcible entry such as lock types, door types, and hand tools. The class is designed to help the student develop the skills and techniques necessary to become proficient in basic forcible entry using some of the most important tools in the fire service. Students will have the opportunity to work multiple times on realistic custom-built training props designed to simulate various basic forcible entry scenarios. Evolutions include single and multiple firefighter forcible entry, covering metal and wooden inward and outward swinging doors, padlock and hinge removal, supplementary locking devices, and more. Students will learn standardized, predictable communication and techniques that are necessary for safe and successful operations. Upon completion of this class, students will have an increased level of basic firefighter competencies to take away with them on this important fire-ground task. The class has a short theory portion with the remainder being hands on training evolutions.

**PRE-REQUISITE: Full protective gear is required. SCBA recommended, but not necessary.**

**Class Limit – Min. 8 / Max. 12.**