

The 2010 McDowell Fire and Rescue College book is dedicated to

Connie Beasley

**Owner of Triple C Fire and Rescue Training, instructor and friend.
We are proud that Connie has been a part of our school since March
of 1995.**



1955 - 2009

“The price of success is hard work, dedication to the job at hand, and the determination that whether we win or lose, we have applied the best of ourselves to the task at hand.”

Vince Lombardi

The McDowell Fire & Rescue College would like to extend a special thanks to the following agencies for their support of our school.

Avery County

Linville Central Rescue

Crash Truck

Buncombe County

Asheville Fire Rescue

Pumper

Black Mtn FD

Pumper

Enka Candler FD

Air Unit

Leicester VFD

Pumper

Skyland FD

Pumper

Swannanoa FD

Heavy Rescue Unit

Burke County

Lake James VFD

Pumper

West End VFD

Pumper

Catawba County

Sherrill's Ford Fire/Rescue

Crash Truck

Henderson County

Blue Ridge FD

Pumper

Henderson County Air Unit

Air Unit Truck

Mountain Home FD

Tower Ladder

McDowell County

Ashford/North Cove VFD

Pumper/Tanker

Crooked Creek VFD

Pumper & Tanker

Dysartsville VFD

Tanker

Glenwood VFD

Pumper & Brush Unit

Hankins/North Fork VFD

Pumper & Tanker

Marion FD

Pumper, Tanker, Tower 1

McDowell EMS

Ambulance

McDowell Rescue Squad

Crash Truck

Nebo VFD

Pumper

Old Fort VFD

Pumper & Tanker

Pleasant Gardens VFD

Pumper

Sugar Hill/Montford VFD

Tanker

Woodlawn VFD

Pumper, Tanker, Air Unit

Mitchell County

Parkway F/R

2 Pumps & Crash Truck

Newdale VFD

Pumper

Rutherford County

Bill's Creek VFD

Pumper

Fairfield VFD

Pumper

SDO VFD

Pumper

We make requests on a regular basis from agencies outside of McDowell for equipment needs during our school. If your department would be willing to help by supplying equipment please contact Brad Ledbetter at (828) 652-0674.

Registration Information

Please fill out all of the information required on the registration. If additional blank registration forms are needed, copies will be accepted. **NO REGISTRATIONS WILL BE TAKEN BY TELEPHONE OR FAX. ALL FEES MUST BE ACCOMPANIED WITH FORMS.** Please return your original registration form(s) and check made payable to McDowell Technical Community College.

McDowell Fire & Rescue College
PO Box 38
Marion, NC 28752

Cutoff date for pre-registration is Friday, March 12th. No refunds after this date. Pre-registrations post-marked after this date will not be processed and the student will be required to register on site the weekend of the school.

Questions?

Please contact Brad Ledbetter at McDowell Technical Community College, (828) 652-0674.
E-mail Address: bradl@mcdowelltech.edu

Check our website: www.mcdowelltech.edu/firerescue.html

Certificate/Class Credit Information

Students must be in attendance when the class begins (this includes classes starting on Friday night). All participants attending 80% of class hours will be awarded certificates on Sunday at the end of class. Attendance will be taken twice on each day of class. In order to be eligible to receive a certificate of completion, students must be present every day of the class.

Notice

All classes and sections will be filled on a first come, first served basis. The sooner we receive your registration, the more likely you will receive your first choice.

Minimum Age Requirements

The minimum age for participation in the McDowell Fire & Rescue College is 16 years of age.

- All participants between the ages of 16 - 18 and currently attending high school must have concurrent enrollment forms signed by the high school principal.
- **Concurrent Enrollment forms must be returned with the registration.**
- Enrollment for participants 16 - 18 years of age and a current high school student will be limited only to classes that **do not** state; *Students must meet minimum age requirements (18 years of age or older).*

Fees

North Carolina Fire, Rescue, EMS, and Law Enforcement - **\$10.00**

Out-of-State and those not fee exempt

1-day class 65.00 + 10.00 = \$75.00

2-day class 65.00 + 10.00 = \$75.00

Special Note

Certain courses require the signature of the department chief for participation in addition to the signature on the registration form. EXPERIENCE AS A JUNIOR FIREFIGHTER WILL NOT QUALIFY THE STUDENT FOR THESE CLASSES.

MTCC is an equal opportunity employer and educator

2010 McDowell Fire & Rescue College

McDowell High School
Hwy 70 West, Marion, NC
March 19 – 21, 2010

Emergency Phone Number (828) 652-0674 for weekend of March 19-21, 2010
Messages will be checked regularly during the weekend

Agenda

Friday, March 19

On-site registration for students not pre-registered

These Classes Begin on Friday Evening

7:00 PM – 10:00 PM

Advanced Arson, ATV's in the Fire Service, Basic Engine Company Operations for the Firefighter, Breath of the Dragon, Bus Extrication, Fire Alarms & Communications, Get Evolved, Hazardous Materials-Awareness, ID & Recognition of the Occult, Law & Administration, NIMS Basic PIO class, Personal Protective Equipment, Privately Owned Vehicle Program (VFIS), Pumps- Introduction D/O, Pumps – Pump Hydraulics D/O, Putting the Rapid in Rapid Intervention, TR General Rescue Operations, TR General Rescue Rigging, Ventilation

Note: Special starting times for the classes below

Agricultural Rescue – Begins at 6:00 PM

Emergency Vehicle Driver D/O– Begins at 6:00 PM

Fire Behavior – Begins at 6:00 PM

Fire Department Organization & Safety FF I & II – Begins at 6:00 PM

Firefighter Training & Introduction to Wildland Fire Behavior – Begins at 6:00 PM

Fire Hose, Appliances & Streams FF I & II – Begins at 6:00 PM

Fire Prevention, Education, & Cause FFI & II – Begins at 6:00 PM

Response to Haz-Mat Terrorism - Operations Level II Begins at 2:00 PM

NIMS ICS-300, ICS-400– Begins at 6:00 PM

Pumps-Basic D/O – Begins at 6:00 PM

TR General Ropes – Begins at 6:00 PM

VMR Vehicle Anatomy – Begins at 6:00 PM

Sprinklers FFI & II – Begins at 6:00 PM

Water Supplies FF I & II – Begins at 6 PM

Saturday, March 20

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Instructor meeting – Media Center, McDowell High

On-site registration for students not pre-registered

9:00 AM

Individual Classes Begin

12:00 noon

Lunch – on your own

1:00 PM

Classes Reconvene

5:00 PM

Classes End for the Day

Sunday, March 21

8:00 AM

Classes Reconvene

11:30 AM

Lunch – on your own

12:30 PM

Classes Reconvene

3:00 – 4:00 PM

Classes End

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2010 McDowell Fire & Rescue College Training Committee Members

David Cable-----McDowell Rescue Squad
 Billy Driggers-----Dysartsville VFD
 Grayson England-----Sugar Hill/Montford Cove VFD
 Eddie Epley -----McDowell Emergency Management
 Carroll Hemphill ----- (retired) McDowell Emergency Management
 Fran Hemphill ----- Glenwood VFD
 William Kehler ----- Director, McDowell EMS
 Robert Kirkpatrick ----- Nebo VFD
 Brad Ledbetter----- McDowell Technical Comm. Coll., PGVFD
 Ronald Morgan ----- Glenwood VFD
 Jim Neal ----- Marion FD
 Ron Richardson ----- Old Fort VFD
 Donnie Tipton -----McDowell Fire/Rescue, Glenwood VFD
 Dean Wall -----McDowell Rescue Squad
 Bryan Wilson ----- McDowell Technical Comm. College
 Terry Young----- Director, McDowell Emergency Management

Department Chiefs and Agency

Thomas Swofford, Chief -----Ashford-North Cove VFD
 Steven Lytle, Chief----- Crooked Creek VFD
 Jimmy Buckner, Chief----- Dysartsville VFD
 Donnie Tipton, Chief ----- Glenwood VFD
 Jim Neal, Chief ----- Marion FD
 Ronnie Holmes, Chief ----- Hankins North Fork VFD
 Terry Young, Director ----- McDowell Co. EMA
 William Kehler, Director ----- McDowell Co. EMS
 David Cable, Chief----- McDowell County Rescue Squad
 Richard Simmons, Chief ----- Nebo VFD
 Ron Richardson, Chief ----- Old Fort VFD
 Brad Ledbetter, Chief----- PGVFD
 Craig Walker, Chief----- Sugar Hill VFD
 Lucas Davis, Chief----- Woodlawn/Sevier VFD

1 - ADVANCED ARSON DETECTION

15 Hours

Class begins at 7:00 PM on Friday night

This advanced arson class will take an in-depth look at how to investigate, follow up, and identify persons responsible for setting fires. An understanding of the criminal process of putting together of the arson case will be discussed. This course will enable the student to understand how much more prepared the first-in firefighter needs to be when confronting a possible arson case. Students wanting to take this class need to have completed a basic or first responder arson class.

Note: **Class begins at 7:00 PM on Friday night**

Pre-requisite: Basic or First Responder Arson class

Instructor: **Harley E. Shuford**, Retired Fire Investigator Asheville Fire & Rescue, Director of Asheville/Buncombe Arson Task Force

2 - AGRICULTURAL RESCUE

22 Hours

Class begins at 6:00 PM on Friday night

The purpose of this course is to train fire, rescue, and emergency service personnel in how to deal with agricultural emergencies involving grain bins and silos, equipment entanglement, agricultural chemical and pesticides, and animal emergencies. The student will acquire an understanding of the potential hazards and injuries involved with handling the different kinds of equipment. Practical exercises demonstrating various extrication techniques will be held on Sunday off campus. The class will include a night exercise on Saturday evening. *Students must meet minimum age requirements (18 years of age or older).*

This is a non-certification class.

Note: **Class begins at 6:00 PM on Friday night**

Equipment: **Helmet, coveralls, gloves, eye protection, boots or turnout gear, SCBA and spare bottle. SCBA bottles must have current hydro-test date.**

Instructor(s): **Josh Starnes**, Hickory FD
Jeff Cardwell, NC Emergency Management
NCDOI Certified Instructors

3 - AIR MEDICINE TODAY

MAMA (Mountain Area Medical Airlift)

Scene Team Training

12 Hours

Class begins at 9:00 AM on Saturday morning

This course is designed to inform the pre-hospital care professional of the most current aspects on the Mission + St. Joseph's Health System air medical transport. Topics covered will include: recognizing the need for air transport; preparation of the patient for air transport; preparing the landing zone and safe operations around the helicopter. A hands-on field exercise will be incorporated in which the MAMA helicopter will respond to a simulated trauma scenario.

Asheville Base (MAMA 1)

Tail number N135N

Eurocopter EC-135-P1

Capacity (5): Pilot, Nurse, Paramedic, 2 Patients

Airspeed: approx 150 MPH

Range: 250 miles

Night Vision and SPIFR certified

Franklin Base (MAMA2)

Tail number N117J

Eurocopter BK-117B1

Capacity (5): Pilot, Nurse, Paramedic, 2 Patients

Airspeed: approx 150 MPH

Range: 250 miles

Night Vision and SPVFR certified

Instructor(s): MAMA Communications Specialists, Flight Nurses, Flight Medics and Pilots

4 - APPARATUS SPECIFICATION AND PURCHASE

12 Hours

Class begins at 9:00 AM on Saturday morning

This class will cover in detail the many aspects to be considered when deciding to purchase a new engine. Some of the topics to be discussed will be justification of apparatus, needs assessment, bid laws, an in depth look at apparatus from drawings to written specifications, inspections trips to the factory, formation of specification committees, technical aspects of fire apparatus, research techniques and strategies, making the best use of your available resources.

Instructor: Jeremy Knighton, Asheville Fire & Rescue

5 - ARSON PHOTOGRAPHY

12 Hours

Class begins at 9:00 AM on Saturday morning

The objective of this class is to teach the proper methods of color photography of fire sites and their use in arson investigation.

Equipment: Digital camera or 35-mm camera and roll of film (no Advantix film)

Instructor: Mika Elliott, Arson Investigator (Retired), NC State Bureau of Investigation, Chief, Marion PD (Retired)

6 - ATV'S IN THE FIRE/RESCUE SERVICE

15 Hours

Class begins at 7:00 PM on Friday night

This course is designed for the experienced ATV operator involved in fire, search, and rescue services. Major emphasis will be placed on operator safety and the safety of others on the scene. Classroom lecture and an in-field practical will include: use of ATV's in wildland fire situations, helpful techniques for using ATV's and trailers for rescue and patient transport in a wildland setting. Other topics covered: transporting equipment, proper towing techniques, winch use, and maneuvering in rough terrain. Practical exercises on Sunday will be held off campus. *Students must meet minimum age requirements (18 years of age or older).*

Class begins at 7:00 PM on Friday night

ATV's are not needed for Friday night class

Required Equipment: ATV with racks, riding gear to include boots, helmet, gloves and eye protection.

Instructor(s): Nick Reed, Sr, Training Officer, Lovelady Fire Department
Nick Reed, Jr, Captain-Hickory FD, Lieutenant-Lovelady VFD, Valdese FD
Stephen "Tank" Townsend, Captain of Training Division, Hickory FD

7 - BASIC ENGINE COMPANY OPERATIONS FOR THE FIREFIGHTER

15 Hours

Class begins at 7:00 PM on Friday night

This course will cover the broad range of engine company operations, various duties, procedures, personnel assignments and operations at structural fires. Introduction for methods of personnel accountability, assignments, tactical priorities, first due and subsequent arriving engine companies will be conducted using various student and group activities. Size-up for the attack team, equipment for each firefighter, tactical assignments, water supply options, hose, nozzle, ventilation considerations, and stream selection are some of the topics covered in class and through actual hands-on instruction. Firefighter safety is stressed as well as primary search, tool assignments and tactical properties. The engine company RIT team assignments will also be covered in this class.

This class is a must for the new structural firefighter or officer that has limited experience in the field and would like to have a more effective role on the fireground. **Class size will be limited to the first 30 students. This class will involve a live structural burn. *Students must meet minimum age requirements (18 years of age or older).* NFPA 1403 guidelines will be followed, including facial hair guidelines.**

Note: Class begins at 7:00 PM on Friday night.
Requires Chief's signature on registration and Chief's Affirmation Form.

Prerequisite: Experienced firefighters only (3 years minimum). **Experience as a junior firefighter will not be accepted.**

Equipment: Full turnout gear required (Saturday), SCBA and extra bottle. SCBA bottles must have current hydro-test date.

Instructor(s): Benny Clark, Captain, Engine 4, Charlotte FD, 23 years experience
Shad Johnson, Ladder 32 & Haz Mat 3, Charlotte FD
NCDOI Certified Instructors
Ron Richardson, Chief, Old Fort FD

8 - BASIC GANG AWARENESS

12 Hours

Class begins at 9:00 AM on Saturday morning

Gang activity over the last few years in North Carolina has been on the rise. According to the North Carolina Criminal Justice Analysis Center, in 1999 there were 332 gangs and 5,068 gang members in North Carolina. By 2004 those numbers had increased to 387 gangs and 8,517 gang members. For the most part, fire, rescue and EMS responders have no real understanding of the threat that gangs present to their safety. This course is designed to inform and familiarize responders with the clothing they may wear, hand signals that they may use, and graffiti they may display. The student will learn the potential threats from gang members, ways to identify them, and ways to safely interact with them. **All persons accepted into this class must have his/her department name and chief's signature on the registration form. Students must meet minimum age requirements (18 years of age or older).**

Instructor: Michael S. Ollis, Community Policing Officer/Gang Information Officer, Burke County Sheriff's Office

9 - BREATH OF THE DRAGON

***Foam Fire Streams FF II**

15 Hours

Class begins at 7:00 PM on Friday night

Students taking this class will get plenty of hands-on experience during the two days of live burn training. Realistic scenarios will be provided through three LP live burn stations. The live burn props will include a flammable liquids pit, LP tanks, and a LP gas tree. Classroom topics will include the policies and procedures needed to safely handle LP gas, flammable and/or combustible liquid emergencies and will include tank design, features, leak control, and tactical fire containment. *Students must meet minimum age requirements (18 years of age or older).*

***Foam Fire Streams FF II class is included as part of this course. The class will begin on Friday night and finish on Saturday morning.**

Class begins at 7:00 PM on Friday night

NFPA 1403 guidelines will be followed, including facial hair guidelines

Requires Chief's Signature on Registration Form and Chief's Affirmation Form

Prerequisite: Must be experienced firefighter (3 years minimum)
Experience as a junior firefighter will not be accepted for this class.

Equipment: Full turnout gear, SCBA and extra bottle (Saturday and Sunday). SCBA bottles must have current hydro-test date.

Instructor(s): Phil Batts, Silver Lake FD
Mike Willis, Coordinator-Emergency Programs, WPC
Grayson England, Sugar Hill/Montford Cove VFD
NCDOI Certified Instructors

11 - BUS EXTRICATION

15 Hours

Class begins at 7:00 PM on Friday night

This course will offer procedures and operations for bus wrecks and rescue operations. Advanced techniques of vehicle extrications will be taught using a variety of rescue tools. Students wanting to participate in this class should have a good basic background in vehicle extrication. *Students must meet minimum age requirements (18 years of age or older).*

Note: **Class begins at 7:00 PM on Friday night**

Equipment: **Hard hat, safety goggles, gloves, boots and overalls or turnout gear**

Instructor(s): **Terry Foxx**, Captain, Alexander Rescue & EMS
Tim Pennell, Training Officer, Alexander Rescue & EMS
NCDOI Certified Instructors

12 - CHIEF 101

12 Hours

Class begins at 9:00 AM on Saturday morning

This class will offer some insight into paperwork and other issues facing today's fire departments. There will be a heavy emphasis on benefits from the State Firemen's Association, the Firemen's and Rescue Squad Workers' Pension Fund, the PSOB, Workers' Compensation and the State of North Carolina. Packets outlining the procedure to follow in case of a line-of-duty death will be provided as well. This class is designed to be beneficial to all firefighters and is packed full of good information. Chiefs, company officers, and firefighters are encouraged to attend.

Instructor: **Paul F. Miller**, Executive Director, North Carolina State Firemen's Association

13 - CLANDESTINE DRUG LABS

12 Hours

Class begins at 9:00 AM on Saturday morning

The threat of crime is in every community, hidden in any type of occupancy. This undercover threat is dangerous for first responders in EMS, Fire and Rescue. Learning to recognize and knowing the precautions to take can save you from the injury and death that have and continue to occur when handling these types of situations.

Instructor: **Ricky Buchanan**, Inspector, NC DMV Licensing & Theft Bureau
Ken Razza, Assistant Special Agent in Charge, North Carolina SBI

14 - EMERGENCY RESPONSE TO HYBRID VEHICLE INCIDENTS

12 Hours

Class begins at 9:00 AM on Saturday morning

“This is not your father’s Oldsmobile” was a popular advertising slogan in the 1980’s. No truer words describe today’s hybrid/electric vehicles (HEV) that increasingly populate the highways, city streets and country back roads of America. These vehicles possess hidden dangers that, if not recognized and quickly mitigated, could prove critical or even fatal to the emergency responders or even to a bystander.

This class will cover the technologies behind HEV’s, how to recognize and identify the various models and dispel many myths and misconceptions associated with these vehicles. Basic procedures must be followed when dealing with a HEV that has been involved in a collision, immersed in water or involved with fire. Actual viewing of hybrid vehicles and classroom scenarios will have the students utilizing their knowledge of how to safely identify, approach, command, and “safe” any type of hybrid vehicle incident. Alternative fueled vehicles (CNG/propane) will be covered.

Instructor: **Jim Fox**, City of Asheville Fire Department, NCDOT Instructor

15 - EMERGENCY VEHICLE RESPONSE TRACK CLASSES

16 - PRIVATELY OWNED VEHICLES PROGRAM

2 Hours

Friday, 7:00 – 9:00 PM

A recent study by the U.S. Fire Administration shows that 25% of the firefighters who died in motor vehicle crashes were killed in privately-owned vehicles (POV’s). Many emergency service organizations allow their members to drive their POV’s to the station or directly to the emergency scene. This places a responsibility on the Chief of the department to make sure these individuals are trained in proper defensive driving techniques, understand the department SOPs for POV response and state laws that impact POV response. Improper POV operation by well-intentioned emergency service workers can increase the risk of injury or death to both emergency service workers and to the public.

17 - FIREFIGHTER SAFETY AND HEALTH

4 Hours

Saturday, 9:00 AM – 12:00 PM, 1:00 – 2:00 PM

The goal of the program is to increase the level of awareness of all participants with respect to the hazards faced by firefighters. This program is appropriate for all personnel on the fire service. Chief officers will benefit by obtaining insight into the types of hazards for development of risk management strategies; company officers will benefit by understanding the types of hazards their crews will be presented with; and firefighters will benefit by understanding their personal responsibility to safety.

As evidenced by the firefighter injury and fatality data, each individual firefighter has a major role in contributing to safety. Lifestyles, fitness and personal commitment should be combined with an organizational commitment to safety. Regardless of rank or position within the department a member is required to take the initiative to follow all safety guidelines and to keep his/her mind and body in good condition.

The program identifies three different working environments where firefighters get injured. They are the station, the street, and the scene. Class discussion will identify how you can avoid being injured in any of the three working environments.

18 - EMERGENCY VEHICLE RESPONSE SAFETY PROGRAM

4 Hours

Saturday, 2:00-4:00 PM, Sunday, 8:30-10:30 AM

This program was initially developed to benefit fire, EMS, and rescue chief officers, as well as, safety officers, training officers, and drivers of emergency vehicles. Newly revised, it is the next logical step in addressing safe emergency response after initiating a driver-training program. It is designed to reveal the dangers of emergency response and the adverse affects on emergency service organizations resulting from emergency vehicle accidents.

The EVRSP program consists of three major components. The educational and awareness portion provides pertinent and topical information allowing the participant to implement portions almost immediately upon returning to their organization. The three main components are:

1. Awareness and administrative program review
2. Step-by-step emergency response safety program review
3. A video program with an accompanying point by point review

The film takes you inside the vehicle drivers' compartment with a behind the wheel view of actual emergency responses. From the safety of classroom seating the video provides a perspective on the hazards and dangers of emergency response. Included on the tape are dramatic interviews with two emergency responders whose lives were drastically changed forever. Both, in separate emergency vehicle accidents, were responsible for the killing of people. Their lives were devastated and hearing their stories will forever change the way you respond to any emergency.

19 - EMERGENCY VEHICLE ROLL-OVER

2 Hours

Sunday, 10:30 AM – 12:30 PM

This program consists of a comprehensive review of not only how, but most importantly, why driving a vehicle is becoming one of the greatest dangers to emergency service personnel. Vehicle crashes is second only to cardiac arrests and strokes in the number of deaths involving emergency services. A subset of crashes involving emergency vehicles are ROLL-OVERS, which is becoming an increasing deadly part of emergency response. VFIS has developed this program to educate and enlighten responders of the dangers associated with emergency vehicle roll-overs.

Historically, driving has been taught in an aggressive mode. Emergency drivers have developed driving habits that often times ended in tragedy. Instructors will need to re-orient themselves to discuss the more important aspects of driving, which is proactive in nature and based on accepted driving practices. As the course builds on the preceding chapter, the general underlying theme is; safe, controlled driving is essential during every response. Participants should feel comfortable using the information to review and improve their skills weeks and months after attendance.

Instructor(s): **Mike Hill**, Risk Manager, Volunteer Safety Workers Compensation Fund
 Rick Hall, Retired Chief, Summerfield Fire Department

***Track Class Note**

Students can register for classes separately if they do not need a specific track class. List the numbers of the classes you need and be sure all the classes are on the same line on the registration form beside the class. Classes will not be picked up together if they are listed as a 2nd, 3rd, or 4th choice.

20 - EXPLOSIVES, BOMBS AND BOOBY TRAPS

12 Hours

Class begins at 9:00 AM on Saturday morning

This class takes Emergency First Responders (EMS, Fire, Law Enforcement, and Rescue) through the different types of explosive environments and paraphernalia that make the elements work for mankind, for good, or bad, through IED's (improvised explosive device), bomb threats, searches, and booby traps that the first responder may have to deal with in today's world.

The course will be presented through classroom instruction, as well as, practical exercises including bomb search, booby trap trail, and other demonstrations.

Instructor(s): **Lt. Ken "Scrap" Walters**, Wilkes County Sheriff's Department
Hazardous Devices Team, Former Wilkes County Fire Marshal
Captain Doug Cotton, Wilkes Sheriff's Department Hazardous Devices Team,
Graduate of FBI Academy, Graduate of Redstone Arsenal E.O.D. School

21 - FIREFIGHTER TRAINING & INTRODUCTION TO WILDLAND FIRE BEHAVIOR S130/190

18 Hours

Class begins at 6:00 PM on Friday night

This introductory course is designed to train firefighters in basic wildland firefighting. Firefighters will be introduced and gain knowledge in wildland fire organization, firefighting techniques, suppression equipment, preparedness and safety. Fuels, weather, and topography will be discussed in detail. **S130/190 is required for firefighters wanting to be part of a North Carolina Forest Service pre-arranged crew. This class also includes "Human Factors on the Fire line" L-180.**

Instructor: **John Reese**, Retired McDowell County Ranger, Wildland Fire Instructor

22 - FIRST DUE ENGINE COMPANY

12 Hours

Class begins at 9:00 AM on Saturday morning

This course deals with considerations and challenges that an officer or first due company might face when responding to and arriving at the fire scene. This informative class will involve class discussions on strategies and tabletop exercises. Class is open to all firefighters, but is geared towards the officer or senior firefighter who potentially rides in the CO seat.

Instructor: **Alan Griffin**, Director, Montgomery County Emergency Management, NCDOT
Certified Instructor

23 - GET EVOLVED **(Emergency Vehicle Operations in Live Virtual Evolution Driving)**

16 Hours

Class begins at 7 PM on Friday night

Get Evolved is a curriculum which is delivered to emergency workers utilizing a virtual driving simulator to reinforce the topics of the course. This program is developed by making use of a combination of existing programs and case studies which have resulted in damage and injury. The primary goal of Get Evolved program is to educate emergency workers on the proper driving techniques and hazards which are encountered while responding emergency vehicles.

The course is split into two segments. The first segment (half of class) is cognitive learning in a classroom environment. The second segment (half of class) consists of cognitive and psychomotor learning in which the students are split in half to allow for the students to drive in the simulator while the other half review case studies. The second segment is separated by one hour blocks to allow for the students to have adequate time frames in driving and reviewing the case studies.

The course consists of topics such as roll over prevention, intersection safety, soft shoulder reaction, driving in adverse conditions, reaction to uncontrollable environments, reaction times, and many more topics which can not be taught while operating an apparatus on the roadway.

Delivery of the class is by qualified fire and rescue instructors from Skyland Fire Rescue who have developed the program for emergency service personnel.

Note: **Class begins at 7 PM on Friday night**

Instructor(s): **Eric Barnwell**, Captain, Skyland Fire/Rescue
Trevor Lance, Senior Captain, Skyland Fire/Rescue

24 - HELICOPTER USE IN SEARCH AND RESCUE

12 Hours

Class begins at 9:00 AM on Saturday morning

Use of helicopters in NC for search and rescue is becoming more common, and rescuers must know how to integrate this valuable resource into search operations effectively. This specialized course instructs students in the use of helicopters in search operations for lost persons, stressing how, and when to integrate helicopters into search and rescue operations, aerial search techniques, and flight patterns, effective coordination with ground teams, and helicopter flight dynamics. Detailed instruction on flight dynamics, proper communications, guiding and landing helicopters, landing zone selection, marking, and management, loading, unloading, and balancing helicopters, handling on-board emergencies, and fire safety around helicopters will be covered. Based upon weather conditions and helicopter availability, students will fly in a simulated search scenario, and receive a course certificate upon successful completion. *Minimum students to run class is 12, maximum 24.*

Equipment: **Required PPE: earplugs, full body protection (not turn-out gear), boots, folding knife.**

Fee: **Additional fee of \$50.00 will be charged for student flight time and must be included along with the MFRC fees. Flight fee will be refunded if the helicopter is not available for the practical scenario**

Instructor: **Bob Twomey**, Chief, North Carolina High Level Extrication Rescue Team, Inc.,
NCDOI Certified Instructor

25 - ID AND RECOGNITION OF THE OCCULT Part I

15 Hours

Class begins at 7:00 PM on Friday night

Occult crimes and behavior are certainly a fast growing problem in our society. Emergency personnel are frequently encountering this type of activity with little information as to the seriousness or the devastating effects on our culture and to individuals. The course is designed to inform and familiarize students with symbols, terminology, safety precautions, and offenses as they relate to this subject matter. Materials covered will be in the area of Satanism, Witchcraft, and the Hispanic/African cults. The instructor will be sharing information in this class not intended to be distributed to the public. **Recording devices and cameras are not allowed in class. Students must meet minimum age requirements (18 years of age or older).**

Note: **Class begins at 7 PM on Friday night**

Instructor: **Kathy Price**, Special District Assistant, Office of Congressman Mike McIntyre, 20 years experience as instructor/trainer in emergency services.

26 - INTRODUCTION TO FIREFIGHTING

12 Hours

Class begins at 9:00 AM on Saturday morning

For the new or junior firefighter, this course will introduce beginning firefighters to dangers, equipment, and procedures used in the fire service.

Prerequisite: *Minimum age 16. All 16 – 18 year olds need permission from high school principal (see concurrent enrollment on registration form).*

Equipment: Full turnout gear and SCBA. SCBA bottles must have current hydro-test date

Instructor(s): **Roy Brian**, Retired Captain, Hendersonville FD
Ray Kuykendall, Captain, Reems Creek FD
Gary Brown, Chief, Blue Ridge Fire & Rescue
Herb Roberson, Engineer, Asheville Fire & Rescue
NCDOI Certified Instructors

27 - PUMPS – PREVENTATIVE MAINTENANCE Non-Certification

12 Hours

Class begins at 9:00 AM on Saturday morning

This course will train fire service personnel on methods and procedures related to performing preventative maintenance. Preventative maintenance includes cleanliness of engine, pump, and water tank, functions of cooling system, proper lubrication, electrical systems, care of pumps, control devices, valve repair, and recordkeeping. *Students must meet minimum age requirements (18 years of age or older).*

Equipment: Full turnout gear

Instructor: **David Morgan**, Glenwood FD,
NCDOI Certified Instructor

28 - PUTTING THE RAPID IN RAPID INTERVENTION

15 Hours

Class begins at 7:00 PM on Friday night

This will be a team based large area search and Rapid Intervention Team course. The class will be focused on team continuity with the class broken down into companies (teams) and all evolutions will be conducted by the company. This class will be a physically demanding and will teach the students the limitations of their equipment and will make you look at your response from a different perspective. This class involves classroom and hands-on instruction on accountability systems and rescuing firefighters from hazardous situations. *Students must meet minimum age requirements (18 years of age or older).*

Equipment: Full turnout gear required, SCBA and extra bottle. SCBA bottles must have current hydro-test date.

Instructor(s): **Marc Cox**, Captain, Charlotte FD, Firefighter, Mt. Holly Fire/Rescue
Bobby Cash, Captain, Charlotte FD
NCDOI Instructors

29 - UNDERSTANDING THE NORTH CAROLINA RESPONSE RATING PLAN

12 Hours

Class begins at 9:00 AM on Saturday morning

This class will review all of the latest information and factors, which go into the make-up of the Public Protection Rating for cities and rural fire districts. It is intended for those persons interested in improving and/or maintaining the Fire Department's Public Protection Rating, which possibly could result in lowering insurance premiums for property owners.

Instructor(s): **Eric Wiseman**, Chief, Parkway Fire/Rescue, Director, Mitchell County
Emergency Management
Davie Summey, Chief, Cedar Mountain Fire/Rescue

DRIVER OPERATOR CLASSES

30 - EMERGENCY VEHICLE DRIVER

Driver/Operator Certification

20 Hours

Class begins at 6:00 PM on Friday night

This course deals with the safe operation of emergency vehicles, driving skills, legal implications of emergency driving and departmental standard operating procedures. This course is a stand alone certification and is also a prerequisite to Driver Operator certification by the North Carolina Fire Rescue Commission. *Students must meet minimum age requirements (18 years of age or older).*

Note: **Class begins at 6:00 PM on Friday night**

Instructor(s): **Tony Ray**, Retired Battalion Chief, Charlotte FD, Consultant - DriveTec, Charlotte, NC
Tim Rayburn, Chief, Enka Candler FD
NCDOI Certified Instructors

32 - PUMPS – INTRODUCTION

Driver/Operator Certification

15 Hours

Class begins at 7:00 PM on Friday night

This class will introduce the student to the job or individual requirements for pump operators and will detail the safe operation of the vehicle. Subjects will include: pump anatomy, pump panel, and engine gauges, relief gauges, transfer valves, and basic pump setup. **This is a technical class with minimal hands-on applications.** Students must pass the written exam with a score of 70% or above in order to receive certification..

Note: **Class will begin at 7:00 PM on Friday night**

Equipment: Full turnout gear

Instructor(s): **John Stroup**, Deputy Chief, Salem Fire/Rescue, Retired Captain, Burke County EMS
Brian Piercy, Reynolds Fire Department
NCDOI Certified Instructors

34 - PUMPS – BASIC

Driver/Operator Certification

20 Hours

Class begins at 6:00 PM on Friday night

This course will explain and review the basic elements of pump operations including priming, lift, drafting, pumping from a hydrant, setting pump pressure, and calculating friction loss. Upon completion of class, students should also be able to identify different types of fire pumps, fire apparatus and components of pumps. Students must pass the written exam (70% or better) in order to receive credit towards certification..

Note: **Class will begin at 6:00 PM on Friday night**

Equipment: Full turnout gear

Instructor(s): **Claude Huffman**, Retired, Morganton Public Safety
John Tallent, Cleveland County Fire Marshal Office
NCDOI Certified Instructor(s)

36 - PUMPS – PUMP HYDRAULICS

Driver/Operator Certification

15 Hours

Class begins at 7:00 PM on Friday night

This course will train fire service personnel in the formulas and calculations used to determine fire flow and other water supply calculations related to fire service operations.

Note: **Class begins 7:00 PM on Friday night**

Prerequisite: Fire Pumps I or be an advanced pump operator with a good background in friction loss.

Equipment: Full turnout gear

Instructor: **Robert Griffin**, Deputy Chief, Asheville Fire Rescue
NCDOI Certified Instructor

-EMS-

37 - ADVANCED CARDIAC LIFE SUPPORT – EXPERIENCED PROVIDER (ACLS-EP)

16 Hours

Class begins at 8:00 AM on Saturday

The **ACLS EP** course is designed to provide clinically proficient healthcare practitioners (MD/DO, CCRN, EMT-P's, etc) who are comfortable performing resuscitation, with a case-based ACLS renewal course that allows them to identify and treat special circumstance resuscitations not covered in the basic ACLS provider course.

The objectives of ACLS-EP are:

- To provide an alternative for ACLS providers who wish to renew their provider status.
- To provide a stimulus for expert clinicians and scientists to identify the many areas in resuscitation that require a **Craig Walker**, different approach.
- To teach experienced ACLS providers new information on how to assess and manage critical cardiovascular emergencies not currently addressed in ACLS.
- To provide adult continuing education for learners who wish to improve their knowledge and skills in ACLS.
- ACLS-EP includes cardiovascular emergencies that deal with complicated MI's, Electrolyte Abnormalities, Environmental Emergencies, and Toxicological Emergencies.

Pre-requisite: ACLS certification

Book: Current ACLS textbook

Please Note: The total cost for those not fee waived will be \$75.00 (\$10 MF&R fee plus \$65 CE registration fee)

Instructors: **William Kehler**, Director, McDowell EMS, NREMTP, CCEMTP,
Major Eugene Edwards, NREMTP, CCEMTP, Operations Officer, McDowell EMS
Craig Walker, CCEMTP, Captain, McDowell EMS
Corey Pittman, NREMTP, CCEMTP, Mitchell EMS

- FIREFIGHTER CERTIFICATION CLASSES -

Students taking Firefighter Certification classes are urged to bring an IFSTA Essentials manual to class

38 - BUILDING CONSTRUCTION - FFII

15 Hours

Class begins at 9:00 AM on Saturday morning

This Firefighter Standards course will provide practical information about the various types of building construction and their influence on firefighting tactics and safety. The firefighter will be able to identify the general fire behavior expected with each type of building construction, including the spread of fire, and the safety of the building, occupants, and firefighters. Issues involving construction principles, wood frame and ordinary construction will be discussed.

Book: IFSTA Essentials, 4th Edition (recommended, not required)

Instructor: **Wayne Hamilton**, Fire Marshal, Asheville Fire Rescue
NCDOI Certified Instructor

39 - EMERGENCY MEDICAL CARE - FF I

15 Hours

Class begins at 9:00 AM on Saturday morning

This course presents a wide range of emergency medical procedures that firefighters might encounter and will help them to rapidly assess and intervene in the following types of emergencies: cardiac arrest, airway obstruction, burn treatment, drug overdose, or poisonings. Practices for infection control and self-protection will also be covered.

Note: **Class begins 9:00 AM on Saturday morning**

Instructor: **Joe Belanger**, Paramedic, Burke County EMS Manager

40 - FIRE DEPARTMENT ORIENTATION & SAFETY FF I & II

21 Hours

Class begins at 6:00 PM on Friday night

This course will enable the firefighter candidate to become aware of the mission of the fire service, their fire department, his/her position within the organization, the standard operating guidelines, regulations, and the basic components of an incident command system. *Must meet minimum age requirements (18 years of age or older), and not a current high school student*

Book: IFSTA Essentials, 4th Edition (recommended, not required)

Note: **Class will begin at 6:00 PM on Friday night**

Equipment: Full turnout gear, SCBA and spare bottle. SCBA bottles must have current hydro-test date

Instructor: **Ryan Cole**, Battalion Chief, Skyland FD
NCDOI Certified Instructor

41 - FIRE HOSE, APPLIANCES AND STREAMS FFI & II

21 Hours

Class begins at 6:00 PM on Friday night

The firefighter candidate will be presented the types and applications of hose, nozzles, adaptors and tools carried on a pumper. In addition, the correct application of fire streams will be included. This course will enable the firefighter candidate to demonstrate the use of hoses and nozzles, adaptors and appliances and the information needed to conduct an annual service test of fire hose.

Book: IFSTA Essentials, 4th Edition (recommended, not required)

Equipment: Full turnout gear

Instructor: **Brian Kyatta**, Engineer/Operations Officer, Skyland Fire/Rescue

-FIREFIGHTER CERTIFICATION TRACK CLASSES -

42 - FIRE BEHAVIOR & PORTABLE EXTINGUISHERS

43 - FIRE BEHAVIOR - FFI & II

12 Hours - Class begins at 6:00 PM on Friday night

This course will present the firefighter with the stages of fire, the products of combustion, and methods of heat transfer.

45 - PORTABLE EXTINGUISHERS - FFI

7 Hours - Class begins at 8:00 AM on Sunday morning

This course will present the firefighter candidate with the proper use of portable extinguishers and the demonstration of the actual extinguishment of a Class A and B fire. This class will allow the student to complete the objectives related to portable extinguishers for Level I.

Book: IFSTA Essentials, 4th Edition (recommended, not required)

Equipment: Full turnout gear

Instructor: **Winfield Abee**, Chief, Lovelady FD, NCDOI Certified Instructor
Matt Crawford, Fire Prevention Specialist, Boone FD NCDOI Certified Instructor

47 - SALVAGE & OVERHAUL

48 - SALVAGE - FFI

7 Hours – Class begins Saturday 9 AM

This class is designed to meet certification requirements for salvage. The course will develop a basic understanding of salvage techniques, use of water chutes, and safety precautions.

50 - OVERHAUL - FF I & II

7 Hours - Class begins at 8:00 AM on Sunday morning

The material presented in this course will deal with the purpose of overhaul, how to recognize the location of hidden fires, and how to expose them. The class will cover all objectives related to overhaul for FF I & II.

Book: IFSTA Essentials, 4th Edition (recommended, not required)

Equipment: Full turnout gear

Instructor: **Kevin Bartlett**, Captain, Skyland Fire/Rescue
Zach Cicillian, Engineer, Skyland Fire/Rescue
Travis Scruggs, Cherokee Tribal Fire/Rescue
NCDOI Certified Instructors

***Track Class Note**

Students can register for classes separately if they do not need a specific track class. List the numbers of the classes you need on the same line with the word only written on the registration form beside the class. Classes will not be picked up together if they are listed as a 2nd, 3rd, or 4th choice.

52 - FIRE ALARMS & COMMUNICATIONS - FFI & II

15 Hours

Class begins at 7:00 PM on Friday night

This course will present the firefighter candidate with the proper use of communication equipment use and the procedures for receiving any type of alarm and will provide understanding of policies and procedures concerning the ordering and transmitting of multiple alarms and the action to be taken upon receipt of these signals.

Note: **Class begins 7:00 PM on Friday night**

Book: IFSTA Essentials, 4th Edition (recommended, not required)

Instructor: **Ben Caldwell**, Captain, Clyde Fire Department
NCDOI Certified Instructor

53 - FIRE PREVENTION, EDUCATION AND CAUSE FF I & II

21 Hours

Class begins at 6:00 PM on Friday night

This Firefighter level I and II course will cover the causes of fire and how to prevent them, the importance of inspections, and educational programs, and how to conduct a public fire education program. Students will learn how to prepare a prefire plan, conduct building fire safety surveys, and will be presented with school exit drill procedures. Also, the course will cover the most common fire hazards and the cause and point of origin of fires.

Note: **Class begins 6:00 PM on Friday night**

Book: IFSTA Essentials, 4th Edition (recommended, not required)

Instructor: **James Guillermo**, Assistant Fire Chief, Spindale FD

54 - FORCIBLE ENTRY - FFI

14 Hours

Class begins at 9:00 AM on Saturday morning

This course is designed to meet standards criteria on forcible entry. The course will develop an understanding of materials of construction and techniques of forcible entry through doors, windows, ceilings, etc. *Students must meet minimum age requirements (18 years of age or older).*

Book: IFSTA Essentials, 4th Edition (recommended, not required)

Equipment: Full turnout gear required

Instructor(s): **Bill Bateman**, Assistant Chief, Andrews FD
Ray Frazier, Commander, Andrews Rescue Squad
Greg Shuping, Director, Haywood County Emergency Management
NCDOI Certified Instructors

56 - LADDERS - FFI

15 Hours

Class begins at 9:00 AM on Saturday morning

This class will help the student develop skills in ladder carries and raises while working alone or as part of a team. Participants will also learn proper climbing skills while using an assortment ground ladders up to 35 feet. Removing victims from upper elevations by ladder will also be taught. *Students must meet minimum age requirements (18 years of age or older).*

Book: IFSTA Essentials, 4th Edition (recommended, not required)

Equipment: Full turnout gear required (both days)

Instructor(s): **Jerry Hinson**, Forest City FD
Jason Matheny, Rutherford FD
NCDOI Certified Instructors

57 - PERSONAL PROTECTIVE EQUIPMENT FFI

15 Hours

Class begins at 7:00 PM on Friday night

This class will present the firefighter with the function of each article of protective equipment, the leading cause of death of firefighters, and the hazardous environment requiring the use of protective equipment. Information will cover use, maintenance, donning, care and handling of SCBA. *Students must meet minimum age requirements (18 years of age or older).*

Note: **Class begins at 7:00 PM on Friday night**

Book: IFSTA Essentials, 4th Edition (recommended, not required)

Equipment: Full turnout gear, SCBA & spare bottle. SCBA bottles must have current hydro-test date

Instructor(s): **Steven Lytle**, Chief, Crooked Creek FD
Marion Allison, Crooked Creek FD

58 - ROPES – FFI

14 Hours

Class begins at 9:00 AM on Saturday morning

This course will allow firefighter candidates to demonstrate their ability to tie varied knots and hitches, hoist an array of equipment, and identify the proper use of rope for lifelines.

Book: IFSTA Essentials, 4th Edition (recommended, not required)

Equipment: PPE Equipment – Helmet, Gloves, Eye Protection

Instructor(s): **Doug Quinones**, Captain, Rescue 1, Asheville FD
Scott Hare, Asheville FD
NCDOI Instructors

59 - SPRINKLERS - FFI & II

17 Hours

Class begins at 6:00 PM on Friday night

This Firefighter Standards class will review the principles and basic design of sprinkler and standpipe systems. Participants will learn the value of automatic sprinklers in providing safety to the occupants of a structure. Identification and proper use of system components that provide fire department support to a sprinkler system will be covered. *Students must meet minimum age requirements (18 years of age or older).*

Note: **Class begins at 6:00 PM on Friday night**

Book: IFSTA Essentials, 4th Edition (recommended, not required)

Equipment: Full turnout gear (both days)

Instructor: **Mike Teague**, Lieutenant, Boone Fire Department
NCDOI Certified Instructor

60 - VENTILATION – FFI & II

21 Hours

Class begins at 7:00 PM on Friday night

This course presents the firefighter candidate with the principles of ventilation, the types of ventilation and tools needed to perform ventilation to various types of roofs. The student will learn the use of and need for automatic venting devices, the methods for ventilating basements, the use of forced ventilation and the considerations that must be made when ventilating a structure. *Students must meet minimum age requirements (18 years of age or older).*

Note: **Class begins at 7:00 PM on Friday night**

Book: IFSTA Essentials, 4th Edition (recommended, not required)

Equipment: Full turnout gear, SCBA & spare bottle. SCBA bottles must have current hydro-test date

Instructor(s): **Ronald Morgan**, Chief, Glenwood FD
Gary Moore, Captain, Clyde FD
Dee Massey, Waynesville FD
NCDOI Certified Instructor(s)
Fran Hemphill, Glenwood FD

62 - WATER SUPPLIES FFI & II

18 Hours

Class begins at 6:00 PM on Friday night

The firefighter candidate will be presented material during this course that will enable him/her to demonstrate both forward and reverse hose lays from the use of a pressurized hydrant and the use of mobile water supplies. This course will cover relay pumping and the basic components of a local water distribution system.

Note: **Class begins at 6:00 PM on Friday night**

Book: IFSTA Essentials, 4th Edition (recommended, not required)

Equipment: Full turnout gear

Instructor: **Adam Summey**, Assistant Chief, Cedar Mountain Fire/Rescue
NCDOI Certified Instructor

FIRE LIFE SAFETY EDUCATOR

63 - FIRE & LIFE SAFETY EDUCATOR

Educator Level I

Administration

12 Hours

Class begins at 9:00 AM on Saturday morning

This course will review and document various fire and life safety educational programs, describe various formats, prepare written reports, and discuss time management or organizing skills. Information will be presented on how to develop and maintain a work schedule and how to arrange meetings, presentations and events to reduce conflicts.

Instructor: Terri Byers, Fire & Life Safety Educator, Level II Fire Instructor, Level III Fire Educator, Hickory FD

HAZARDOUS MATERIALS CLASSES

FF I/II & RT

64 - RESPONSE TO HAZ-MAT/TERRORISM - AWARENESS

LEVEL I

FFI/RT

15 Hours

Class begins at 7:00 PM on Friday night

This course is an awareness course designed to cover basic response objectives expected of a person certified at the Awareness Level. Course topics include recognizing the presence of a hazardous material, isolating the area to protect the public and responders, and identifying the material using various methods available to a responder. The course will also include elements of terrorism and it's potential impact and relationship to hazardous materials incidents. This course meets all the competencies required by OSHA 1910.120 and NFPA 472 1997 edition.

Note: Class begins at 7:00 PM on Friday night

Instructor(s): Lynn Bullock, Chief, Rosman FD

65 - RESPONSE TO HAZ-MAT/TERRORISM - OPERATIONS LEVEL II

FFII/RT

24 Hours

Class begins at 2:00 PM on Friday afternoon

This course is designed to cover responding to hazardous materials incidents in a defensive manner. Course topics include advanced recognition and identification procedures. Various defensive actions to limit the harm of an incident of this type will be demonstrated. The course also includes understanding the elements of terrorism and its potential impact and relationship to a hazardous materials incident. This class meets all the competencies required by OSHA 1910.120 and NFPA 472 1997 edition. *Students must meet minimum age requirements (18 years of age or older).*

Pre-requisite: Successful completion of Hazardous Materials Awareness Level class

Note: Class begins at 2:00 PM on Friday afternoon at Marion FD

Equipment: Full turnout gear

Instructor: Thomas Eggers, Specialist, Asheville Fire Rescue
NCDOI Certified Instructor

NATIONAL FIRE ACADEMY CLASSES

66 - ARSON DETECTION FOR THE FIRST RESPONDER (NFA)

12 Hours

Class begins at 9:00 AM on Saturday morning

The first responder is often in the best position to make critical observations regarding a fire. Observations of the first responder during the various stages of an incident are extremely critical. This course will cover fire behavior, first responder observations, fire causes, scene security, and preservation of evidence, legal considerations, and reporting of findings.

Instructor: Jim Pharr, Retired Director/Fire Marshal, Gaston Co. Emergency Management
NCDOI & NFA Certified Instructor

67 - INCIDENT SAFETY OFFICER (NFA)

12 Hours

Class begins at 9:00 AM on Saturday morning

Designed to address the role of fire/rescue safety officer, this class will study how the safety officer's job relates to the fire/rescue profession.

Instructor: Mike Ensley, Retired Jackson County Fire Marshal, NCDOI Certified Instructor

68 - INTRODUCTION TO VOLUNTEER EMERGENCY SERVICES MANAGEMENT (NFA)

12 Hours

Class begins at 9:00 AM on Saturday morning

This course demonstrates the basic management techniques needed to effectively administer a volunteer emergency service agency. Participants will explore the transition a member has to make when he/she steps into the role of management in his/her organization. New administrative and line officers with less than one year of experience will derive the most from this program. Seasoned organizational officers will hone their knowledge and basic skills as a manager.

Instructor(s): **James Smith**, Eastern Branch Manager, NC Emergency Management
 Robert Swiger, Retired, Field Training Supervisor, NCDOI OSFM

69 - LEADERSHIP II: STRATEGIES FOR PERSONAL SUCCESS (NFA)

12 Hours

Class begins at 9:00 AM on Saturday morning

This course provides the company officer with the basic leadership skills and tools needed to perform effectively in the fire service environment. Course content will address ethics, use and abuse of power at the company officer level, creativity in the fire service environment, and management of the multiple roles of the company officer.

Target Audience:

- Line fire officers, unit commanders, or program supervisors.
- Fire or rescue personnel due for promotion/appointment to officer rank or supervisory position within 6 months
- Training officers, staff, or administrative officers of fire and rescue organizations

Instructor: **Jim Hanline**, Captain (retired), Charlotte FD
 NCDOI Certified Instructor

TECHNICAL RESCURER CLASSES

*TR GENERAL TRACK CLASSES

70 – TR GENERAL RESCUE OPERATIONS & HELICOPTER TRANSPORT

71 - TR: GENERAL RESCUE OPERATIONS

9 Hours

Class begins at 7:00 PM on Friday night

This class will present the Technical Rescuer with the requirements for proper site operations, victim management, and maintenance for all of the rescue disciplines which include rope rescue, confined space rescue, trench rescue, structural collapse, vehicle and machinery rescue, surface water, swift water rescue, and wilderness rescue.

72 - TR: GENERAL HELICOPTER TRANSPORT

6 Hours

Class begins at 8:00 AM Sunday morning

This class will present to the Technical Rescuer general operating and safety guidelines when working with helicopters at emergency scenes for the protection of on scene emergency providers, flight crews, and the civilian population

Instructor: Gary Ramsey, Captain/Haz-Mat Coordinator, Cleveland County Emergency Management

73 - TR: GENERAL RESCUE RIGGING

15 Hours

Class begins at 7:00 PM on Friday night

This course will present to the Technical Rescuer the proper use of ropes and other related rescue rigging equipment used during rescue operations and will involve the setup of various ladder and timber configuration for technical rescues.

Note: Class begins at 7:00 PM on Friday night

Equipment: Appropriate gloves, work boots, helmet, safety glasses, suitable work clothes

Instructor: Jody Smyre, Assistant Chief, Claremont Rescue Squad, Operations Supervisor, Iredell County EMS, NCDOI Certified Instructor

74 - TR: GENERAL ROPES

21 Hours

Class begins at 6:00 PM on Friday night

This class will present to the Technical Rescuer safe and effective methods of rescue in elevated and below grade environments using ropes, knots, and rope related equipment. Mechanical advantage, anchors, anchoring techniques, and stress loads will be covered.

Note: Class begins at 6:00 PM on Friday night

Equipment: Appropriate gloves, work boots, helmet, safety glasses, suitable work clothes

Instructor (s) **Gene Crouse**, Retired, EMS Shift Supervisor/Training Coordinator, Alleghany Rescue/Alleghany EMS
Richard Caudill, Retired, Training Specialist, NCDOI OSFM

***VMR TRACK CLASSES**

75 – VMR VEHICLE ANATOMY & RESCUE OPERATIONS

76 - VMR: VEHICLE ANATOMY

9 Hours

Class begins at 6:00 PM on Friday night

This class will present the Technical Rescuer vehicle anatomy and introduce new technologies in vehicle devices which present hazards for rescue personnel. Topics included in this class are: vehicle construction, crumple zones, bumper systems, air bags, side impact protection systems, new vehicle innovations, propulsion systems, passive safety systems and active safety systems. Suggestions on how to cope with innovative vehicles to safely mitigate a modern vehicle rescue will also be discussed.

Note: Class begins at 6:00 PM on Friday night

77 - VMR: RESCUE OPERATIONS

12 Hours

Class begins at 2:00 PM on Saturday afternoon

This class will present to the Technical Rescuer the hazards of vehicle rescue operations, ICS, access, disentanglement, extrication, and the post rescue phases of vehicle rescue.

Note: Class begins at 6:00 PM on Friday night

Equipment: Helmet, safety goggles, gloves, boots, overalls or turnout gear

Instructors: **David Orr**, Brevard Rescue/Sterling Industrial FD
Kevan Smith, Asheville Regional Airport, Public Safety Training Officer
NCDOI Certified Instructors

***Track Class Note**

Students can register for classes separately if they do not need a specific track class. List the numbers of the classes you need and be sure all the classes are on the same line on the registration form beside the class. Classes will not be picked up together if they are listed as a 2nd, 3rd, or 4th choice.

SPECIAL CERTIFICATION CLASSES

78 - LAW & ADMINISTRATION

16 Hours

Code Enforcement Class

Class begins at 7:00 PM on Friday night

This course is designed to provide a basic understanding of the governmental and legal system with which every code enforcement official works. The course satisfies the training requirements to gain admission to the state qualifying exam.

Class begins at 7:00 PM on Friday night.

Note: **Book Required. Students must furnish their own textbooks.**

Textbook required: **Administrative Code and Policies (2009 version)**
(www.bookmark.com or Bookmark Inc. 800-642-1288)

Instructor: **Barrett Graham, Firefighter/Attorney-at-Law, Newport FD**

79 - NIMS INCIDENT COMMAND SYSTEM

ICS-300

18 Hours

Class begins at 6:00 PM on Friday night

This course provides greater description and details of the Incident Command System (ICS) organization and operations, including application of essential principles and description of air operations. There are five modules: Organization and Staffing, Organizing for Incidents and Events, Resources Management, Air Operations and Incident, and Event Planning. This course includes a final exam.

Class begins at 6:00 PM on Friday night.

Prerequisite: ICS-100, ICS-200, ICS-700

Instructor: Mike Powell, Retired Captain, Caldwell County Sheriff Department
NCDOI Certified Instructor

80 - NIMS INCIDENT COMMAND SYSTEM

ICS-400

18 Hours

Class begins at 6:00 PM on Friday night

This advanced Incident Command System (ICS) course is designed to explain how major incidents bring about special management challenges, describe the circumstances in which an Area Command is established, and describe the circumstances in which multi-agency coordination systems are needed.

Class begins at 6:00 PM on Friday night.

Prerequisite: ICS-100, ICS-200, ICS-700, ICS-300

Instructor: **Randy McKinney, Retired, Emergency Services Director, Burke County**

81 - NIMS BASIC PUBLIC INFORMATION OFFICER –PIO CLASS

14 Hours

Class begins at 7:00 PM on Friday night

This course is intended for Public Information Officers who are new to the field or have had limited experience carrying out their PIO duties, as well as, for those individuals who have been assigned PIO responsibilities as an additional duty. The course emphasis is on the basic skill and knowledge needed for emergency management public information activities. Topics include the role of the PIO in emergency management, conducting awareness campaigns, news release writing, public speaking, and television interviews.

Class begins at 7:00 PM on Friday night.

Instructor(s): **Rob Brisley**, Captain, Charlotte Fire Department
 Jim Landis, Charlotte Fire Department

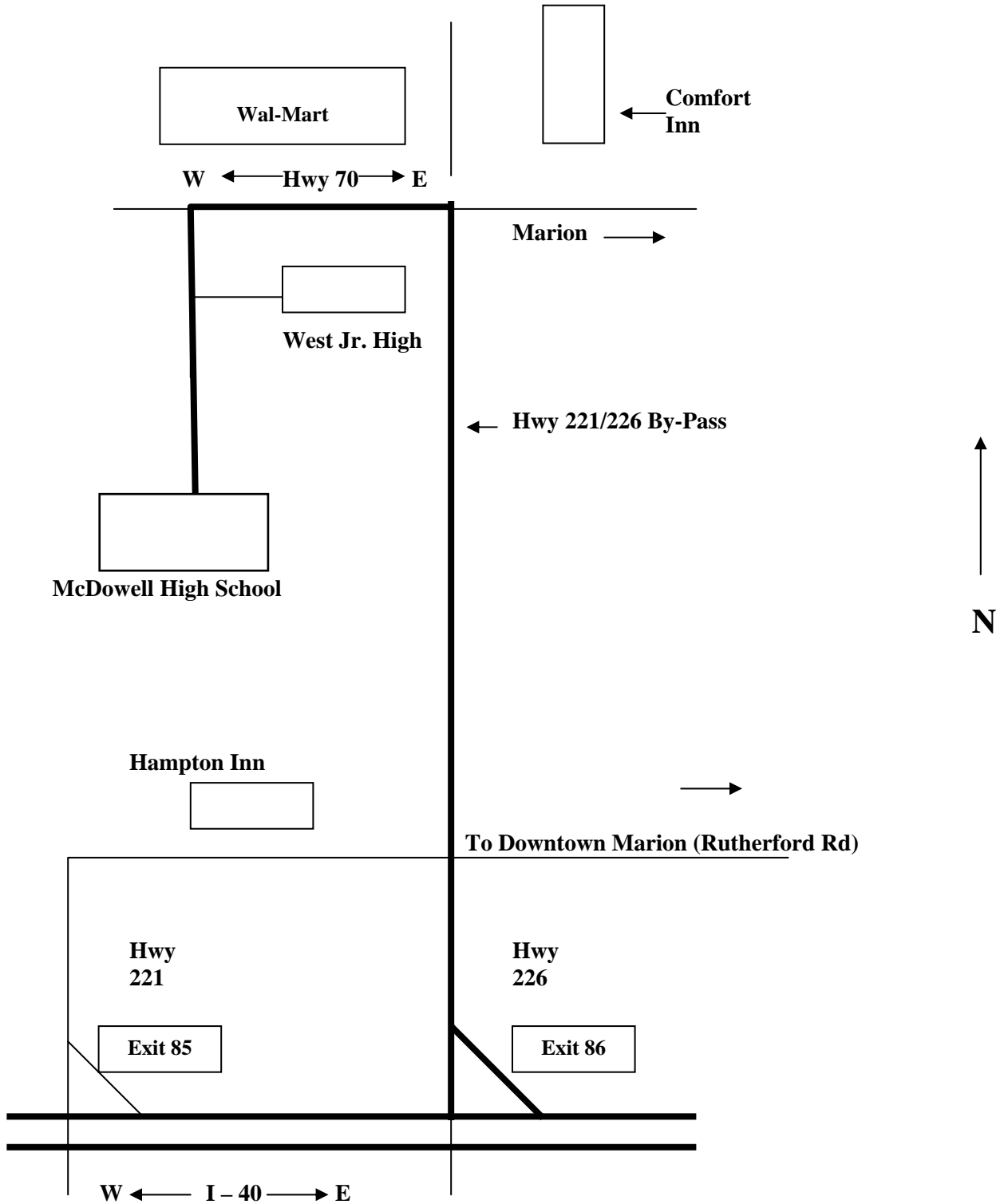
Expected McDowell Fire & Rescue College Vendors

All-In-Stitches Embroidery & Screen P	Hendersonville	NC
Anchor - Richey EVS	Hickory	NC
Asheville Communications, Inc	Asheville	NC
Blue Ridge Standby Power	Marion	NC
Bound Tree Medical	Dublin	OH
C W Williams & Company	Rocky Mount	NC
Carolina Fire Services Inc	Arcadia	NC
Carolina First Aid & Safety	Carthage	NC
Carolina Fire & Rescue Journal	Charlotte	NC
Carolina Respiratory Testing	Mt Airy	NC
Carolina Safety Systems	Castle Hayne	NC
Code 3 Insurance Service	Pikeville	NC
Communication Service, Inc	Asheville	NC
Custom Shirts	Marion	NC
Cynas Jewelers	Pembroke	NC
Emergency Apparatus Inc	Sanford	NC
Fire & Safety Outfitters	Charlotte	NC
Fire Engine Collectibles	Lenoir	NC
First Carolina Agency	Roanoke Rpds	NC
First Class Fire Apparatus	Leicester	NC
Fisher Sales	Philadelphia	PA
Fox Marketing Services	Statesville	NC
Garner & Braven Architects PA	Charlotte	NC
High Country Communications	Linville	NC
High Country EMT	Spruce Pine	NC
L & A Emergency Equipment	State Road	NC
Ladder 9 Inovations	Sugar Mtn	NC
Local Government Federal Credit Union	Charlotte	NC
McDowell Distributing Co	Marion	NC
Mid Carolina Emergency Apparatus	Matthews	NC
Mountain Tech	Hendersonville	NC
NC Fallen Firefighters Foundation	Clayton	NC
NC Society of Fire Instructors	Havelock	NC
Newton's Fire & Safety	Swepsonville	NC
Piedmont Fire Equipment Corp	McLeansville	NC
RAJE Outdoors, LLC	Linwood	NC
Robert L. Miller Sales	Piedmont	NC
Safety Industries	Burlington	NC
Sink Farm Equipment	Lexington	NC

Slagle Fire Equipment	West Columbia	SC
Southeastern Emergency Equipment	Wake Forest	NC
Southeastern Specialty Vehicles	West Jefferson	NC
Steven's Fire Equipment/NAFECO of NC	Morganton	NC
Tarheel Emergency Sales	Statesville	NC
The Silver Lady	Spartanburg	SC
Vest's Sales & Service Inc	Check	VA
VFIS of North Carolina, Inc	Raleigh	NC
Wade Johnson Corp	Greensboro	NC
Waterway North Carolina	Canton	NC
Whole Armor Uniform Co	Asheville	NC
Wireless Communications, Inc	Charlotte	NC
WNC Fire Association	Marshall	NC

McDowell Fire & Rescue College Map

McDowell High School



FOR YOUR INFORMATION

Registration

- Mail original registrations in plenty of time. Fifty (50) classes were closed before the 2009 school.
- List all four choices. Listing the same class for all choices will not help.
- Complete all information (please print) on registration form.
- Student and the department chief signatures must be on all registrations.
- Have department Chief sign the Chief Affirmation if required.

Classes

If a class requires the Chief's signature on the Chief's Affirmation Form, please be sure it is signed before we receive the registration. Registrations received that do not have the required signature(s) will not be registered.

- *If you are between 16 and 18 years of age, written permission (Concurrent Enrollment Form) is required from your principal before you can be registered to a class.* Use Concurrent enrollment form provided with book.
- Note if your class has a special starting time.
- Note if your class requires special equipment, and bring it with you.
- Classes with low pre-enrollment will be cancelled
- Students that enroll for Friday night classes must begin class on Friday night or credit for the class will not be given.

Fees

- McDowell Fire & Rescue College fee is \$10.00
- Other fees may apply. Check brochure for details

Cutoff date for pre-registration is Friday, March 12th. No refunds after this date.

Mail completed original registrations forms & all fees to:

McDowell Fire & Rescue College
P.O. Box 38
Marion, NC 28752-0038

Make checks payable to: McDowell Technical Community College

QUESTIONS?

Contact Brad Ledbetter at McDowell Technical CC (828) 652-0674

E-mail Address: bradl@mcdowelltech.edu

Check our website: www.mcdowelltech.edu/firerescue.html

2010 McDowell Fire & Rescue College Registration Form

Please print and include all information requested

Social Security _____

Name _____

Mailing Address _____

City _____ State _____ Zip _____

Date of Birth _____ County _____

(Circle) Male Female (Circle) White, Black, American Indian, Hispanic, Other

Daytime Phone () _____ Other () _____

E-mail Address _____

Employment (Circle) Full-time, Part-time, Unemployed, Retired

High School last attended _____

Education (Circle highest level) 7 8 9 10 11 12 13 14 15 16 17 GED

Are you currently attending high school? No _____ Yes _____ **If yes, see note below!**

Concurrent Enrollment Form required and must be returned with the registration form.

Agency Name _____

Agency Mailing Address _____

Agency City, State, Zip _____

Agency Phone () _____

Agency e-mail address _____

Cutoff date for pre-registration is Friday, March 12th. Pre-registrations post-marked after this date will not be accepted. No refunds after this date.

Class #	Class
1st _____	_____
2nd _____	_____
3rd _____	_____
4th _____	_____

Student signature (Required) _____ **Date** _____

Chief signature (Required) _____ **Date** _____

McDowell Fire & Rescue College Fee \$10.00 (Fees for non-emergency service personnel located on page 3 of book)

Include all fees that may apply—check book for details

No registrations will be taken by telephone or fax. All fees must accompany registration forms.

Make check payable to:

McDowell Technical Community College

Return original registration form with all fees, signatures and payment to:

McDowell Fire & Rescue College

PO Box 38

Marion, NC 28752-0038

McDowell Technical Community College

Chief's Affirmation Form - Live Burn Classes

Attention Chief: This form is required for students to participate in the following classes: Breath of the Dragon, Basic Engine Company Operations..

The registration accompanying this form will not be considered valid and will not be accepted without an official, original signature by the chief of the applicants' fire department. Documentation may be required for training not received through McDowell Technical Community College. These records must be made available immediately upon the request of the Coordinator of Emergency Service Training at MTCC or a McDowell Fire & Rescue College Training representative.

Safety	Personal Protective Equipment
Fire Behavior	Fire Hose, Appliances & Streams
Forcible Entry	Overhaul
Portable Extinguishers	Ladders
Water Supply	Ventilation

I do hereby affirm that the firefighter listed on this registration form has received training to meet the performance objectives for Firefighter I, of the following sections of NFPA 1001, Standard for Firefighter Professional Qualifications, 2008 Edition:

Fire Chief's Name (Printed) _____

Fire Chief's Name (Signature) _____

Student Name (Printed) _____ Date _____

CONCURRENT ENROLLMENT FORM

(MUST BE COMPLETED IN FULL FOR STUDENTS 16-18 YEARS OLD)

Permission is granted to _____, who is a student in good standing
(Print name of student)
and currently enrolled at _____ high school,
(Print name of high school)
_____ to be
(Address of high school)

concurrently enrolled through McDowell Technical Community College for the McDowell Fire & Rescue College, March 19 – 21, 2010. Student must be sixteen (16) years of age or older.

Signature of Principal

Printed Name of Principal

2010 McDowell Fire & Rescue College Registration Form

Please print and include all information requested

Social Security _____

Name _____

Mailing Address _____

City _____ State _____ Zip _____

Date of Birth _____ County _____

(Circle) Male Female (Circle) White, Black, American Indian, Hispanic, Other

Daytime Phone () _____ Other () _____

E-mail Address _____

Employment (Circle) Full-time, Part-time, Unemployed, Retired

High School last attended _____

Education (Circle highest level) 7 8 9 10 11 12 13 14 15 16 17 GED

Are you currently attending high school? No _____ Yes _____ **If yes, see note below!**

Concurrent Enrollment Form required and must be returned with the registration form.

Agency Name _____

Agency Mailing Address _____

Agency City, State, Zip _____

Agency Phone () _____

Agency e-mail address _____

Cutoff date for pre-registration is Friday, March 12th. Pre-registrations post-marked after this date will not be accepted. No refunds after this date.

Class #	Class
1st _____	_____
2nd _____	_____
3rd _____	_____
4th _____	_____

Student signature (Required) _____ **Date** _____

Chief signature (Required) _____ **Date** _____

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Fire Chief's Name (Signature) _____

Student Name (Printed) _____ Date _____

CONCURRENT ENROLLMENT FORM

(MUST BE COMPLETED IN FULL FOR STUDENTS 16-18 YEARS OLD)

Permission is granted to _____, who is a student in good standing
(Print name of student)

and currently enrolled at _____ high school,
(Print name of high school)

_____ to be
(Address of high school)

concurrently enrolled through McDowell Technical Community College for the McDowell Fire & Rescue College, March 19 – 21, 2010. Student must be sixteen (16) years of age or older.

Signature of Principal

Printed Name of Principal

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Please print and include all information requested

Social Security _____

Name _____

Mailing Address _____

City _____ State _____ Zip _____

Date of Birth _____ County _____

(Circle) Male Female (Circle) White, Black, American Indian, Hispanic, Other

Daytime Phone () _____ Other () _____

E-mail Address _____

Employment (Circle) Full-time, Part-time, Unemployed, Retired

High School last attended _____

Education (Circle highest level) 7 8 9 10 11 12 13 14 15 16 17 GED

Are you currently attending high school? No _____ Yes _____ **If yes, see note below!**

Concurrent Enrollment Form required and must be returned with the registration form.

Agency Name _____

Agency Mailing Address _____

Agency City, State, Zip _____

Agency Phone () _____

Agency e-mail address _____

Cutoff date for pre-registration is Friday, March 12th. Pre-registrations post-marked after this date will not be accepted. No refunds after this date.

Class #	Class
1st _____	_____
2nd _____	_____
3rd _____	_____
4th _____	_____

Student signature (Required) _____ **Date** _____

Chief signature (Required) _____ **Date** _____

McDowell Fire & Rescue College Fee \$10.00 (Fees for non-emergency service personnel located on page 3 of book)

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Permission is granted to _____, who is a student in good standing
(Print name of student)
and currently enrolled at _____ high school,
(Print name of high school)
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(Address of high school)

concurrently enrolled through McDowell Technical Community College for the McDowell Fire & Rescue College, March 19 – 21, 2010. Student must be sixteen (16) years of age or older.

Signature of Principal

Printed Name of Principal

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Name _____

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