The 2008 McDowell Fire Rescue College is dedicated to Mr. Carroll Hemphill for his diligent service, unmatched dedication and relentless effort to quality in emergency services. Throughout the 30+ years of training through our weekend school, Carroll has played an active and vital role. He has been an integral part in the planning and implementation of the training that has resulted in a training college of integrity.

Carroll has spent tremendous time and effort in securing grant monies to support special classes. He has served with the McDowell Fire and Rescue College and the McDowell County Fire Rescue College Training Committee since their beginning, sharing years of expertise and support. More importantly, Carroll has dedicated his life in service to the safety of McDowell County residents. His reputation precedes himself throughout the state, and he is respected for the high standards he expects of others as well as those he models in his own life. His efforts as a volunteer with the fire service through the Glenwood FD (retired) and as McDowell County Emergency Management/EMS Director serves as a model for all. He has contributed 40+ years to keeping others trained and safe, and exudes professionalism as a model to others who aspire to these ideals. As he begins a new chapter in his “retired” life, we wish him joy and peace proportional to the dedication he has displayed to keeping others safe.
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 Pumpers & 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 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 **Wednesday, March 5th.** 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 all days 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 less than 18 years of age will be limited to classroom activities only.

**Fees**

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

Out-of-State and those not fee exempt

1-day class 50.00 + 10.00 = $60.00
2-day class 55.00 + 10.00 = $65.00

*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*
2008 McDowell Fire & Rescue College
McDowell High School
Hwy 70 West, Marion, NC
March 14 – 16, 2008

Emergency Phone Number (828) 652-0674 for weekend of March 14-16, 2008
Messages will be checked regularly during the weekend

Agenda
Friday, March 14

7:00 PM – 10:00 PM These Classes Begin on Friday Evening

Note: Special starting times for the classes below
Agricultural Rescue – Begins at 6:00 PM
Emergency Response to Terrorism: Basic Concepts – Begins at 6:00 PM
Fire Department Organization & Safety FF I & II – Begins at 6:00 PM
Fire Prevention, Education, & Cause FFI & II – Begins at 6:00 PM
Hazardous Materials – Operations Begins at 2:00 PM
Pumps-Basic D/O – Begins at 6:00 PM
RT General Ropes, Anchors & Lowers – Begins at 6:00 PM
RT General-Victim Management – Begins at 6:00 PM
RT VMR Extrication – Begins at 6:00 PM
Sprinklers FFI & II – Begins as 6:00 PM

Saturday, March 15

8:00 – 8:30 PM * Instructor meeting – Media Center, McDowell High
7:30 – 9:00 AM 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 16

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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2008 McDowell Fire & Rescue College
Training Committee Members

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

Department Chiefs and Agency

Thomas Swofford, Chief ......................................... Ashford-North Cove VFD
Steven Lytle, Chief .............................................. Crooked Creek VFD
Jimmy Buckner, Chief .......................................... Dysartsville VFD
Ronald Morgan, Chief .......................................... Glenwood VFD
Jim Neal, Chief ..................................................... Marion FD
Charles Parker, Chief .......................................... Hankins North Fork VFD
Carroll Hemphill, Director .................................... McDowell Co. EMA
William Kehler ................................................... 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
Gerald Trivette, Chief .......................................... Woodlawn/Sevier VFD
1 - ADVANCED ARSON DETECTION
15 Hours
Class begins at 7:00 PM on Friday

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 will begin at 7:00 PM on Friday

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.

NC State certification approval for this class was not in place as of the printing of this book.

Note: Students must meet minimum age requirements (18 years of age or older), and not a current high school student.

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
This course is designed to inform the pre-hospital care professional of the most current aspects on the Mission St. Joseph’s 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.

The New MAMA
Eurocopter EC-135-P1
Capacity (5): Pilot, Nurse, Paramedic, 2 Patients, Max Airspeed: 180 MPH
Cruise Airspeed: 150 MPH, Main Rotor Blades: 12 feet above ground

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

Aircraft Firefighting Tactics is designed for the structural fire department regardless of their relative location to an airport. Topics include: airport familiarization, introduction into aircraft systems, and resource utilization. The course will include practical “live burn” sessions utilizing a modified real aircraft as a simulator.

Class size limited to the first 25 students.

NFPA 1403 guidelines will be followed.

Note: Requires Chief signature on registration form and Chief Affirmation Form. Must meet minimum age requirements (18 years of age or older), and not a current high school student.

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

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

Instructor(s): A@A ARFF 101 LLC, Mooresville NC
5 - ARSON PHOTOGRAPHY
12 Hours

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

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6 - ATV’S IN THE FIRE/RESCUE SERVICE
15 Hours

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

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. **Must meet minimum age requirements (18 years of age or older), and not a current high school student.**

**Note:** 
Class will begin at 7:00 PM on Friday. 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
Mark Lowman, Lovelady Fire Department, Burke County Ops. SAR Tech II
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 25 students.

This class will involve a live structural burn.

NFPA 1403 guidelines will be followed, including facial hair guidelines.

Note: Requires Chief signature on registration and Chief’s Affirmation Form. Must meet minimum age requirements (18 years of age or older), and not a current high school student.

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

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. Must meet minimum age requirements (18 years of age or older), and not a current high school student. All persons accepted into this class must have his/her department name and chief’s signature on the registration form.

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

9 - BREATH OF THE DRAGON
15 Hours

This class will begin at 7:00 PM on Friday

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.

NFPA 1403 guidelines will be followed, including facial hair guidelines

Note: Requires Chief Signature on Registration Form and Chief Affirmation Form
Must meet minimum age requirements (18 years of age or older), and not a current high school student.

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

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

Instructor(s): Phil Batts, Fire/Rescue Coordinator, Silver Lake FD
Mike Willis, Coordinator-Emergency Programs, WPCC
Grayson England, Sugar Hill/Montford Cove VFD
NCDOI Certified Instructors
10 - BUS EXTRICATION
15 Hours
Class begins at 7:00 PM on Friday night

This course is will detail 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. **Must meet minimum age requirements (18 years of age or older), and not a current high school student.**

**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

11 - CHIEF 101
12 Hours

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

12 - CLANDESTINE DRUG LABS
12 Hours

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, McDowell County Sheriff’s Department
- Ken Razza, Assistant Special Agent in Charge, North Carolina SBI
13 - CONFINED SPACE RESCUE
12 Hours

This class meets OSHA standards for ensuring the safety of responder and victim in confined space emergency operations. It will include hands-on practice as well as classroom instruction. This class will be of special interest to hazardous materials teams and fire/rescue organizations that are involved, or are considering becoming involved in confined space incidents.

Prerequisite: Must meet minimum age requirements (18 years of age or older), and not a current high school student.

Equipment: SCBA and spare bottle, turnout gear, rescue helmet, gloves (both days). SCBA bottles must have current hydro-test date.

Instructor(s): Triple C Fire & Rescue Training Services
NCDOI Certified Instructors
14 - EMERGENCY BOAT OPERATIONS FOR FIRE, RESCUE AND LAW ENFORCEMENT DEPARTMENTS

19 Hours
Class begins at 7:00 PM on Friday night

This new course, developed using the National Fire Academy Fire Service Course Design model, is to assist Fire, Rescue and Law Enforcement Agencies with qualification and certification under NFPA 1006, Rescue Technician Professional Qualifications. The course is to boats what Emergency Vehicle Driver is to apparatus. Participants will spend 10 – 20% of time in the classroom and 80 – 90% of time on the water learning the proper operation of their craft. Topics covered include: NC Boating Laws, Navigation, Trailering, Inspections, Launch & Recovery and Boat Operations in various environments including; Static Water and Inland Flooding, Man Over Board and Self Rescue, Waterborne Search Operations including Dragging and Diver Operations.

Note: Students must provide a motorized boat not to exceed 22’. Department or Agency boats are desired, private boats will be allowed. Multiple participants can use a single craft; however, no more than what the boat is rated. Each boat must have all the required safety equipment per NC Boating Laws. Each student must have and wear a class III PFD and helmet for all waterborne operations. Students will also need a bathing suit or wetsuit. Students must provide all fuel and related boat needs. Class will only dismiss for extreme weather situations so students should be prepared for all weather conditions. Must meet minimum age requirements (18 years of age or older), and not a current high school student.

Instructors(s) Ray Smith, Division Chief, Training & Safety, Monroe Fire Department, NC Fire Instructor III, NC RT Instructor, NC Surface Water Instructor Qualified, Rescue 3 Swift Water Advanced, NFA Incident Command Qualified
Neal Speer, Deputy Homeland Security Director, Union County, NC Fire Instructor II, Rescue 3 Swift Water Advanced, PADI Basic Open Water SCUBA, NIMS Qualified Instructor

15 - EMERGENCY RESPONSE TO TERRORISM: Basic Concepts

16 Hours
Class will begin at 6:00 PM on Friday

This course is designed to prepare the first responder to take appropriate course of action at the scene of a potential terrorism event. The student will be trained in security considerations, identifying signs of terrorism, anticipating unusual response circumstances, and self protection actions. The target audience for this class is any fire or emergency medical first responder personnel.
Class Hours: varies to need, 14-16 hours

Instructor: Thomas J Kelly, Lieutenant, West Buncombe Fire / Rescue
NCDOI Certified Instructor and NFA Terrorism Instructor
16- EMERGENCY VEHICLE RESPONSE
TRACK CLASSES

17 - 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.

18 - 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.

19 - 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.

20 - 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 hone 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

Note:
Use the number for the EVP Track Class (16) if you want to take all of the classes. Students can register for classes separately if they do not want all the classes in this track. List the numbers of the classes you want to take and be sure all the classes are on the same line with the word only written on the registration form beside the class.
21 - FIRST DUE ENGINE COMPANY
12 Hours

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, NCDOI Certified Instructor

22 - HELICOPTER USE IN SEARCH AND RESCUE
12 Hours

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,
23 - ID AND RECOGNITION OF THE OCCULT Part II
15 Hours
This class will begin at 7:00 PM on Friday
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. All persons accepted into this class must have his/her department name and chief’s signature on the registration form. Must meet minimum age requirements (18 years of age or older), and not a current high school student.
Prerequisite:   Must have completed Part I class
Instructor:   Kathy Price, Special District Assistant, Office of Congressman Mike McIntyre, 20 years experience as instructor/trainer in emergency services.

24 - INCIDENT COMMAND SYSTEM
ICS-100, ICS-200 & ICS-700 by NIMS
16 Hours
This class will begin at 7:00 PM on Friday
This course is designed to cover the FEMA-approved core topics for ICS-100 and ICS-700. ICS-100 covers the history, features and principles, and organizational structure of the Incident Command System (ICS). ICS-700 explains the purpose, principles, key components, and benefits of the National Incident Management System (NIMS), which provides a nationwide template to enable all government, private-sector, and nongovernmental organizations to work together during domestic incidents. Both training components include a final exam.
ICS-200 is designed to enable personnel to operate efficiently during an incident or event with the Incident Command System (ICS). ICS-200 provides training on resources for personnel who are likely to assume a supervisory position within ICS. This course includes a final exam.
Note: This class will meet the requirements for the Homeland Security Presidential Directive-5. HSPD-5 directed the Secretary of Homeland Security to develop and administer a National Incident Management System (NIMS). Agencies are required to have this training if receiving federal monies through grants, contracts, or other programs beginning in FY 2005.
Instructor: Kenneth R. Anthony, NAEMD, EMT-P, Burke County Office of Emergency Services
25 - INCIDENT COMMAND SYSTEM
ICS-300 by NIMS
16 Hours
This class will begin at 7:00 PM on Friday

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.

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

Instructor: Randy McKinney, Emergency Services Director, Burke County

26 - INTRODUCTION TO FIREFIGHTING
12 Hours

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, 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

30 - MASS FATALITIES INCIDENT RESPONSE
12 Hours

This updated course is designed to prepare local, state and federal fire, rescue and law enforcement personnel and other responsible agencies and professionals to manage mass fatalities incidents effectively and to work with the survivors in an emergency or disaster.

Instructor: Jerry Vehaun, Director, Emergency Medical Services/EMA for Buncombe County
How prepared are you to handle your own MAYDAY? Sooner or later it could happen to you. It will happen to a firefighter today, could this be your day? So how would you deal with your MAYDAY?

This is an intense hands-on course designed to teach you how to recognize that you are in trouble and what to do when conditions are deteriorating around you. Topics we will cover are prevention, survival attitude, personal equipment, problem solving, and many SCBA emergencies. Some techniques students will perform are window escapes, orientation drills, entanglements, out-of-air situations, and many more. Each technique will be taught twice, once in a clean atmosphere and second in heat and smoke.

This course is a **must** for all firefighters, don’t let the first time you ever manage your “MAYDAY” be the first time.

**Must meet minimum age requirements (18 years of age or older), and not a current high school student.**

**Note:** Class begins at 7:00 PM Friday on night  
*Requires Chief signature on registration*

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

**Instructor(s):**  
Scott Hardin, Captain, Charlotte FD, Swede Flashover Instructor  
Russell King, Captain, Charlotte FD, Swede Flashover Instructor  
Barry Wilson, Gastonia FD, Swede Flashover Instructor  
NCDOI Certified Instructors
**32 - MOBILE LIVE BURN SIMULATOR**

12 Hours

Triple C Fire & Rescue training offers professional training through a mobile live burn simulator. The burn simulator contains different skills for individuals to perform fire attack and has trained fire departments and industrial personnel to become better qualified to perform their jobs in a safe and controlled fire suppression environment. The attack team performs interior attacks, while the safety team maintains a safe environment for these students while being instructed by line leaders. The burn simulator consists of three rooms: Sprinkler Room, Control Room and Fire Room. The Fire Room consists of four types of fire: parts washer, flammable liquids cabinet, industrial gas meter (with shut off for fire elimination), and flash over simulator.

**Must meet minimum age requirements (18 years of age or older), and not a current high school student.**

**NFPA 1403 guidelines will be followed, including facial hair guidelines.**

**Class size will be limited to the first 25 students.**

**Note:** Requires Chief signature on registration and Chief’s Affirmation Form. Must meet minimum age requirements (18 years of age or older), and not a current high school student.

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

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

**Instructor(s):** Triple C Fire & Rescue instructors

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**33 - PUTTING THE RAPID IN RAPID INTERVENTION**

15 Hours

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

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.

**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
- **Jeremy Kennedy**, Engineer, Charlotte FD, Assistant Chief, East Gaston FD
- NCDOI Instructors
34 - PUMPS – INTRODUCTION
Non-Certification
15 Hours
Class begins at 7:00 PM on Friday

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. This class is intended for the student with little or no experience operating pumps. Must meet minimum age requirements (18 years of age or older), and not a current high school student.

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

Equipment: Full turnout gear

Instructor: Tim Rayburn, Chief, Black Mtn. FD
NCDOI Certified Instructors

35 - PUMPS – PREVENTATIVE MAINTENANCE Non-Certification
12 Hours

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. Must meet minimum age requirements (18 years of age or older), and not a current high school student.

Equipment: Full turnout gear

Instructor: David Morgan, Glenwood FD, NCDOI Certified Instructor

36 - SMOKE DIVER
12 Hours

This is an advanced self-contained breathing apparatus class. This class is intended to help firefighters, as well as other rescue personnel, realize the limitations of SCBA, work together as one unit, and receive realistic practical exercises. Must meet minimum age requirements (18 years of age or older), and not a current high school student.

Prerequisite: Experienced firefighters only (3 years min)

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

Instructor: Ken (Scrap Iron) Walters, Former Wilkes County Fire Marshal
37 - STRUCTURAL FIREFIGHTING
Search & Advanced Rescue
15 Hours
This class will begin at 7:00 PM on Friday

This course is designed to train the experienced firefighter in the art of initial attack, containment and extinguishing structural fires. The class will also cover rapid intervention team safety, initiation, organization, equipment and rescue techniques while participating in actual live burns. **Must meet minimum age requirements (18 years of age or older), and not a current high school student.**

NFPA 1403 guidelines will be followed, including facial hair guidelines.

**Note:**
Class begins at 7:00 PM on Friday
Requires signature of Chief on registration and Chief’s Affirmation Form

**Prerequisite:**
Must be an experienced firefighter (3 years minimum), completion of SCBA, hose & nozzle, personal protective equipment class.
Experience as a junior firefighter will not be accepted.

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

**Instructor(s):**
Durwood Crenson, Enka Candler FD, PGVFD
Joshua Howard, Assistant Chief, Enka Candler FD
Woody Trotter, Captain, Enka Candler FD
NCDOI Certified Instructor

38 - UNDERSTANDING THE NORTH CAROLINA RESPONSE RATING PLAN
12 Hours

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):**
Adam Summey, Firefighter, Cedar Mountain Fire/Rescue
Davie Summey, Chief, Cedar Mountain Fire/Rescue
A.C. Daniels, Senior Field Inspector, NCDOI, OSFM
DRIVER OPERATOR CLASSES

39 - EMERGENCY VEHICLE DRIVER
Driver/Operator Certification
20 Hours
Class begins at 6:00 PM on Friday

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.

Note: Must meet minimum age requirements (21 years of age or older).

Instructor: Tony Ray, Battalion Chief, Charlotte FD, Consultant - DriveTec, Charlotte, NC
NCDOI Certified Instructor

40 - PUMPS – INTRODUCTION
Driver/Operator Certification
15 Hours
Class begins at 7:00 PM on Friday

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. Must meet minimum age requirements (18 years of age or older), and not a current high school student.

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

Equipment: Full turnout gear

Instructor(s): John Stroup, Deputy Chief, Salem Fire/Rescue, Retired Captain, Burke County EMS
41 - PUMPS – BASIC  
Driver/Operator Certification  
20 Hours  
Class begins at 6:00 PM on Friday

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. **Must meet minimum age requirements (18 years of age or older), and not a current high school student.**

**Note:** Class will begin at 6:00 PM on Friday  
**Equipment:** Full turnout gear  
**Instructor(s):** Claude Huffman, Retired, Morganton Public Safety  
John Tallent, Cleveland County Fire Marshal Office  
NCDOI Certified Instructor(s)

43 - PUMPS – PUMP HYDRAULICS  
Driver/Operator Certification  
15 Hours  
Class begins at 7:00 PM on Friday

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. **Must meet minimum age requirements (18 years of age or older)**

**Note:** Class begins 7:00 PM on Friday  
**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
- FIREFIGHTER CERTIFICATION CLASSES -

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

44 - BUILDING CONSTRUCTION - FFII
11 Hours

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

45 - EMERGENCY MEDICAL CARE - FF I
15 Hours

This class will begin at 9:00 AM on Saturday

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.

Instructor: Joe Belanger, Paramedic, Burke County EMS

46 - FIRE DEPARTMENT ORIENTATION & SAFETY FF I & II
21 Hours

Class begins at 6:00 PM on Friday

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.

Book: IFSTA Essentials, 4th Edition (recommended, not required)
Note: Class will begin at 6:00 PM on Friday
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
-FIREFIGHTER CERTIFICATION TRACK CLASSES -

47 - FIRE BEHAVIOR & PORTABLE EXTINGUISHERS

48 - FIRE BEHAVIOR - FFI & II
9 Hours - Class begins at 7:00 PM on Friday

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

49 - PORTABLE EXTINGUISHERS - FFI
7 Hours - Class begins Sunday 8 AM

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. 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)
Equipment: Full turnout gear
Instructor: Winfield Abbe, Chief, Lovelady FD, NCDOI Certified Instructor

50 - SALVAGE & OVERHAUL

51 - 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. Must meet minimum age requirements (18 years of age or older), and not a current high school student.

52 - OVERHAUL - FF I & II
7 Hours - Class begins Sunday 8 AM

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. 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)
Equipment: Full turnout gear
Instructor: Kevin Bartlett, Captain, Skyland FD
Trevor Lance, Captain, Skyland FD
NCDOI Certified Instructors

Note: Students can register for classes separately if they do not need all the classes in this track. List the numbers of the classes you need and be sure all the classes are on the same line with the word only written on the registration form beside the class.
53 - 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.

Book: IFSTA Essentials, 4th Edition (recommended, not required)
Instructor: Allan Corthell, Assistant Chief, Mills River
NCDOI Certified Instructor

54 - FIRE PREVENTION, EDUCATION AND CAUSE FF I & II
21 Hours
Class begins at 6:00 PM on Friday

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.

Book: IFSTA Essentials, 4th Edition (recommended, not required)
Instructor: Jeremy Knighton, Asheville FD, Ladder 1

55 - FORCIBLE ENTRY - FFI
14 Hours

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. 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)
Equipment: Full turnout gear required
Instructor(s): Bill Bateman, Assistant Chief, Andrews FD
Ray Frazier, Commander, Andrews Rescue Squad
NCDOI Certified Instructors
56 - LADDERS - FFI
15 Hours

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. **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)

**Equipment:** Full turnout gear required (both days)

**Instructor(s):**
- James Guillermo, Forest City FD
- Jerry Hinson, Forest City FD
- NCDOI Certified Instructors

57 - PERSONAL PROTECTIVE EQUIPMENT FFI
15 Hours

This class will begin at 7:00 PM on Friday

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. **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 begins at 7:00 PM Friday on night

**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

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
This class will begin at 6:00 PM on Friday

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. **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)

**Equipment:** Full turnout gear (both days)

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

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60 - VENTILATION – FFI & II
21 Hours
This class will begin at 7:00 PM on Friday

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. **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)

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

**Instructor(s):** Ronald Morgan, Chief, Glenwood FD  
Dee Massey, Training Officer, Waynesville FD  
NCDOI Certified Instructor(s)  
Fran Hemphill, Glenwood FD
FIRE LIFE SAFETY EDUCATOR

62 - FIRE & LIFE SAFETY EDUCATOR
   Education Level I
   12 Hours

During this course the student will be trained how to select educational materials, will present a prepared program and utilize multiple presentation methods given prepared programs for various audiences. They will also demonstrate how to distribute educational information and how to work in cooperation with local media personnel.

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

HAZARDOUS MATERIALS CLASSES
   FF I/II & RT

63 - RESPONSE TO HAZ-MAT/TERRORISM - AWARENESS
   LEVEL I
   FFI/RT
   15 Hours

This class will begin at 7:00 PM on Friday

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 Friday on night

Instructor(s): Lynn Bullock, Chief, Rosman FD
64 - RESPONSE TO HAZ-MAT/TERRORISM - OPERATIONS LEVEL II
FFII/RT
24 Hours
This class will begin at 2:00 PM on Friday

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.

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

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

Equipment: Full turnout gear

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

NATIONAL FIRE ACADEMY CLASSES

65 - ARSON DETECTION FOR THE FIRST RESPONDER (NFA)
12 Hours

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

66 - INCIDENT SAFETY OFFICER (NFA)
12 Hours

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, Jackson County Fire Marshal, NCDOI Certified Instructor
67 - INTRODUCTION TO VOLUNTEER EMERGENCY SERVICES MANAGEMENT (NFA)
12 Hours

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

68 - LEADERSHIP III: STRATEGIES FOR SUPERVISORY SUCCESS (NFA)
12 Hours

This 2-day course provides the company officer with the basic leadership skills and tools to perform effectively in the fire service environment. The course covers when and how to delegate to subordinates, assess personal leadership styles through situational leadership, discipline subordinates, and apply coaching/motivating techniques.

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
RESCUE TECHNICIAN CLASSES

69 - RT GENERAL – ROPES, ANCHORS & LOWERS

21 Hours

This class will begin at 6:00 PM on Friday

This class will present to the Rescue Technician 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 for situations in below ground, confined space, agricultural settings involving grain silos and bins, river crossing and many more emergency scenes. Riggings and raises for safety and successfully moving patients from urban and wilderness environments will be discussed. Must meet minimum age requirements (18 years of age or older), and not a current high school student.

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

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

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

70 - RT GENERAL – SEARCH

14 Hours

This class will introduce the Rescue Technician to various search methods used for the rescue of individuals in situations that may include structural collapse environments, trench rescue environments, or being lost. The use of rescue dogs, trackers, helicopters, fixed wing aircraft, horseback teams, boating clubs and the Civil Air Patrol of USAR teams will be discussed. Must meet minimum age requirements (18 years of age or older), and not a current high school student.

Equipment: Compass

Instructor: Jody Smyre, Assistant Chief, Claremont Rescue Squad, Operations Supervisor, Iredell County EMS
71 - RT GENERAL TRACK CLASS

72 - RT GENERAL – VICTIM MANAGEMENT LIFTS, CARRIES, DRAGS, STRETCHERS
4 Hours
Class begins Friday 6 PM

This class will present to the Rescue Technician the proper method for the safe movement of patients from a hazardous situation to one of safety. Various lifts, carries, drags and stretchers will be discussed with the safety and well being of patients and rescuers given priority.

73 - RT GENERAL – INCIDENT PLANNING
7 Hours
Class begins Saturday 9 AM

This class will present the Rescue Technician with the requirements for proper site operations, victim management and maintenance for all of the Rescue disciplines, which include Rope Rescue, Surface Water Rescue, Vehicle and Machinery Rescue, Confined Space Rescue, Structural Collapse Rescue, Trench Rescue, Subterranean Rescue, Dive Rescue and Wilderness Rescue.

74 - RT GENERAL – HELICOPTER TRANSPORT
7 Hours
Class begins Sunday 8 AM

This class will present to the Rescue Technician 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. Criteria for determining the need for Aero-medical transportation to include, weather, traffic, time, distance, and the medical condition of the patient will be discussed.

Note: Credit for ERT Air Transportation will crossover to RT General Helicopter Transport.

Instructor: Gary Ramsey, NCDOI Instructor

Note: Students can register for classes separately if they do not need all the classes in this track. List the numbers of the classes you need and be sure all the classes are on the same line with the word only written on the registration form beside the class.
75 - RT VMR - EXTRICATION

21 Hours

This class will begin at 6:00 PM on Friday

This class will present to the Rescue Technician new technologies in vehicle devices which present hazards for rescue personnel, such as vehicle construction, crumple zones, bumper systems, air bags, and side impact protection systems. The construction of buses and the problems posed to rescuers will be discussed. Access points, structural components, fuel and emergency exits will also be discussed. Features of machinery, which may pose obstacles to rescuers, to include tractors, forklifts, crawlers and other heavy machinery will be covered. Victim removal from this type of equipment will be addressed. Must meet minimum age requirements (18 years of age or older), and not a current high school student.

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

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

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

76 - RT VMR – INCIDENT PLANNING

11 Hours

This class will present to the Rescue Technician the elements that come into play at vehicle and machinery accidents. Preplanning, site surveys, incident plans, and size-up will be covered. The concept of incident management along with the responsibilities and functions of command will be discussed.

Instructor: David Hedrick, Claremont Rescue Squad
NCDOI Instructor
SPECIAL CERTIFICATION CLASS

77 - LAW & ADMINISTRATION

16 Hours

Code Enforcement Class

This class will begin at 7:00 PM on Friday

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.

Note: Books Required. Students must furnish their own textbooks.

Textbooks required: (1) - Legal Aspects of Building Code Enforcement (available from the Institute of Government at (919) 966-4119)
(2) - Rules of the NC Code Officials Qualification Board
(3) - 2006 version of Administration and Enforcement Code

To purchase Codes and Board Rules contact Publications at 919-661-5880. Allow two weeks for delivery.

Instructor: Barrett Graham, Firefighter/Attorney-at-Law, Newport FD
# Previous McDowell Fire & Rescue College Vendors

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# LODGING

## McDowell County

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<td>Hampton Inn</td>
<td>I-40, Exit 85, Marion</td>
<td>(828) 652-5100</td>
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<td>Super 8 Motel</td>
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## Burke County

(Approximately 30-45 minutes from McDowell HS)

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<td>Econo Lodge</td>
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<td>I-40 Exit 105, Morganton</td>
<td>(828) 433-0011</td>
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<td>Holiday Inn</td>
<td>2400 S Sterling, Morganton</td>
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## Buncombe County

(Approximately 30-45 minutes from McDowell HS)

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FOR YOUR INFORMATION

Registration
- Mail registrations in plenty of time. Fifty nine (59) classes were closed before the 2007 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 Wednesday, March 5th

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
2008 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? Yes_______ No _________ 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 ( ) _______________________________
Cutoff date for pre-registration is Wednesday, March 5th. Pre-registrations post-marked after this date will not be accepted.

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 6 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, Mobile Live Burn Simulator, Structural Firefighting, and Aircraft Firefighting Tactics.

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, 2002 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 and currently enrolled at ____________________________high school,
(Print name of student)
(Print name of high school)
(Address of high school)

concurrently enrolled through McDowell Technical Community College for the McDowell Fire & Rescue College, March 14 - 16, 2008. Student must be sixteen (16) years of age or older.

Signature of Principal

Printed Name of Principal
2008 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 (Circle) 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? Yes_______ No ________ 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 ( ) ________________________________
Cutoff date for pre-registration is Wednesday, March 5th. Pre-registrations post-marked after this date will not be accepted.

Class #   Class 1st __________________________ 2nd __________________________ 3rd __________________________ 4th __________________________
Student signature (Required) __________________________ Date __________
Chief signature (Required) __________________________ Date __________

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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, 2002 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 and currently enrolled at __________________________ high school,
_______________________________high school, to be concurrently enrolled through McDowell Technical Community College for the McDowell Fire & Rescue College, March 14 - 16, 2008. Student must be sixteen (16) years of age or older.

______________________________
Signature of Principal

______________________________
Printed Name of Principal
2008 McDowell Fire & Rescue College Registration Form

Please print and include all information requested

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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 ____________________________________________
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Are you currently attending high school? Yes_______ No _________ If yes, see note below!
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Agency Name__________________________________________________
Agency Mailing Address ____________________________________________
Agency City, State, Zip ____________________________
Agency Phone ( ) ____________________________
Cutoff date for pre-registration is Wednesday, March 5th. Pre-registrations post-marked after this date will not be accepted.
Class # Class
1st_________
2nd_________
3rd_________
4th_________

Student signature (Required) ____________________________ Date ___________
Chief signature (Required) ____________________________ Date ___________

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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 and currently enrolled at ____________________________ high school,

(Print name of student)
(Print name of high school)
(Address of high school)

concurrently enrolled through McDowell Technical Community College for the McDowell Fire & Rescue College, March 14 - 16, 2008. Student must be sixteen (16) years of age or older.

Signature of Principal

Printed Name of Principal
2008 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
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Are you currently attending high school? Yes_______ No _________ 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 ( ________ ) __________________

Cutoff date for pre-registration is Wednesday, March 5th. Pre-registrations post-marked after this date will not be accepted.

Class #      Class
1st________  ________________________________
2nd________  ________________________________
3rd________  ________________________________
4th________  ________________________________

Student signature (Required) ________________________________ Date ____________
Chief signature (Required) ________________________________ Date ____________

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Fire Chief's Name (Printed)__________________________________________

Fire Chief's Name (Signature)________________________________________

Student Name (Printed)_____________________________________________ Date_________

______________________________
Signature of Principal

______________________________
Printed Name of Principal

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
and currently enrolled at ____________________________, high school,
(Print name of student)
(Print name of high school)
(Address of high school)

concurrently enrolled through McDowell Technical Community College for the McDowell Fire & Rescue College, March 14 - 16, 2008. Student must be sixteen (16) years of age or older.

__________________________________________
Signature of Principal

__________________________________________
Printed Name of Principal