The 36th McDowell Fire & Rescue College is dedicated in memory to

Kenneth “ScrapIron” Walters

1953 – 2012

“Hey Bud” was a familiar greeting from Scrapiron and will be deeply missed by those that knew him here at the McDowell Fire & Rescue College. For over 25 years Scrap was a part of our school, but more than that he was a friend. Our thoughts and prayers are with his family.

“Some people come into our lives and quickly go. Some stay for awhile and leave footprints on our hearts. And we are never, ever the same”. —Anonymous
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
- 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
- Burke County Rescue
- Crash Truck

### Catawba County
- Sherrill’s Ford Fire/Rescue
- Crash Truck

### Henderson County
- Blue Ridge FD
- Pumper
- Henderson County Air Unit
- Air Unit Truck

### 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
- Marion FD
- Pumper & Tanker
- McDowell EMS
- Pumper
- McDowell Rescue Squad
- Tanker
- Nebo VFD
- Pumper
- Old Fort VFD
- Pumper, Tanker, Tower 1
- Pleasant Gardens VFD
- Ambulance
- Sugar Hill/Montford VFD
- Crash Truck
- Woodlawn VFD
- Pumper

### Mitchell County
- Parkway F/R
- 2 Pumpers & Crash Truck

### Rutherford County
- Bill's Creek VFD
- Pumper
- Lake Lure Fire/Rescue
- 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. 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

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

Cutoff date for pre-registration is Friday, March 8th. 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. Registration forms that do not have the required information (Student/Chief signatures, Dual Enrollment, Chief affirmation form-live burn classes, etc.) will not be processed until all information is received.

*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 our *Concurrent Enrollment form* signed by the high school principal.

*This form is required and must be returned with registrations before the student will be registered to a class. No exceptions.

Fees for McDowell Fire & Rescue College
North Carolina Fire, Rescue, EMS, and Law Enforcement - $10.00 (Non-refundable)

- Out-of-State and those not fee waived
- 1-day class $65.00 + $10.00 = $75.00
- 2-day class $65.00 + $10.00 = $75.00

MTCC is an equal opportunity employer and educator
2013 McDowell Fire & Rescue College
McDowell High School
Hwy 70 West, Marion, NC
March 15 – 17, 2013

Agenda

Friday, March 15

5:00 – 9:00 PM

On-site registration for students not pre-registered

These classes begin on Friday evening

7:00 – 10:00 PM

Advanced Arson
Advanced Cardiac Life Support (ACLS-EP)
ATV’s In the Fire Service
Basic Engine Company Operations
Breath of the Dragon (Foam Fire Streams)
Bus Extrication
Fire Alarms & Communications
Get Evolved
ID & Recognition of the Occult
Law & Administration

NIMS Basic PIO
Personal Protective Equipment
Pumps – Introduction D/O
Pumps – Pump Hydraulics D/O
Putting the Rapid in Rapid Intervention
Rock Climbing for Professional Rescuers
TR General: Rescue Operations
TR General: Rescue Rigging
Ventilation

6:00 – 10:00 PM

Emergency Vehicle Driver D/O
Fire Behavior
Fire Department Orientation & Safety
Fire Hose, Streams & Appliances
Firefighter Confidence and Survival Training
Fire Prevention, Education & Cause
NIMS ICS – 300
Pumps – Basic D/O

TR General: Ropes
TR General: Rescue Rigging (Confined Space)
VMR: Vehicle Anatomy
Sprinklers
Strategy & Tactics for Initial Company Operations
Understanding the NC Response Rating Plan
Water Supplies

Note: Special starting time for the class below.

EMT/MR Continuing Education Class – Begins at 1:00 PM
Rescue FF I & II – Begins at 1:00 PM
Wildland Urban Interface (S-215) – Begins at 1:00 PM

Saturday, March 16

*Instructor meeting – Media Center, McDowell High

On-site registration for students not pre-registered

8:00 – 8:30 AM

Individual Classes Begin

7:30 – 9:00 AM

Lunch – on your own

9:00 AM

Classes Reconvene

12:00 noon

Classes End for the Day

Sunday, March 17

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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2013 McDowell Fire & Rescue College

Training Committee Members

Winfield Abbe ................................................................. Fire/Rescue Coordinator, Western Region
Matt Crawford ................................................................. McDowell Fire & Rescue Association/Marion FD
Grayson England ............................................................. Sugar Hill/Montford Cove VFD
Eddie Epley ................................................................. McDowell Emergency Management
William Kehler ............................................................. Director, McDowell EMS
Robert Kirkpatrick ............................................................ Nebo VFD
Brad Ledbetter ............................................................ McDowell Technical Community College/PGVFD
Mary Ledbetter ........................................................... McDowell Technical Community College
Ronald Morgan .......................................................... Glenwood VFD
Jim Neal .............................................................................. Marion FD
Rodney Padgett .............................................................. Glenwood VFD
Ron Richardson ............................................................ Old Fort VFD
Chad Robinson ............................................................. McDowell Rescue Squad
Alan Snypes .............................................................. Nebo VFD
Donnie Tipton .............................................................. McDowell Fire/Rescue, Glenwood
Bryan Wilson .......................................................... President, McDowell Technical Community College
Terry Young ................................................................ Director, McDowell Emergency Management

Department Chiefs and Agency

Thomas Swofford, Chief ............................................. Ashford-North Cove VFD
Steven Lytle, Chief .................................................. Crooked Creek VFD
Nick Waycaster, Chief ............................................. Dysartsville VFD
Donnie Tipton, Chief ................................................ Glenwood VFD
Jim Neal, Chief ........................................................ Marion FD
Hoss Washburn, Chief ............................................ Hankins North Fork VFD
Terry Young, Director ............................................... McDowell Co. EMA
William Kehler, Director ......................................... McDowell Co. EMS
Chad Robinson, Chief ........................................ Station 97 (McDowell County Rescue Squad)
Richard Simmons, Chief ........................................ Nebo VFD
Ron Richardson, Chief ............................................. Old Fort VFD
Brad Ledbetter, Chief ................................................. PGVFD
Joe Washburn, Chief ................................................ Sugar Hill VFD
Tony Cook, 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:** Shawn Smith, Special Agent, NC State Bureau of Investigation

**2 - 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 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 (MAMA 2)**  
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

**3 - 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
4 - 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.

Note: 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

5 - 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.

Note: Requires Chief’s signature on registration and Chief’s Affirmation Form.

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
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.*

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

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

Note: Requires Chief’s Signature on Registration Form and Chief’s Affirmation Form

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, WPCC
Grayson England, Sugar Hill/Montford Cove VFD
NCDOI Certified Instructors

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.

*VMR Buses and Machinery class is included as part of this class. The class will begin on Friday night and finish on Saturday.*

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
10 - 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(s): Ricky Buchanan, Chief Deputy, McDowell County Sheriff Department
Ken Razza, Retired, North Carolina SBI

11 - EMERGENCY INCIDENT REHABILITATION
12 Hours
Class begins at 9:00 AM Saturday morning

Emergency Incident Rehabilitation is a result of mandate NFPA 1584. This course teaches the responder to effectively perform responder rehabilitation on an emergency scene, and at emergency training sites. This is a combination classroom and practical skills class. Participants will learn the reasons for the mandate, how to effectively start rehab program for their departments, and will learn techniques for proper administration of the program. Responder Rehab program is ideal for chief officers, safety officers, first responders, EMT’s Paramedics and SMAT members. An outdoor exercise is planned as part of the class.

Equipment: Appropriate clothing for outdoor exercise

Instructor: John Bruner, NREMT-P, SMAT Coordinator, Lieutenant, McDowell EMS

12 - 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.

Equipment: Appropriate clothing for outdoor exercise

Instructor(s): Chris Wagoner, Detective, Hazardous Devices Team, Wilkes County Sheriff’s Department
Captain Doug Cotton, Wilkes Sheriff’s Department Hazardous Devices Team Unit Commander, Wilkes County Sheriff’s Department, Graduate of FBI Academy, Graduate of Redstone Arsenal E.O.D. School, Certified bomb technician
13 - FIREFIGHTER CONFIDENCE AND SURVIVAL TRAINING

16 hours
Class begins at 6:00 PM on Friday night

This class is designed to teach firefighters confidence and survival in the most extreme and stressful conditions in the firefighting environment. Students will learn how to overcome these stressful environments by better understanding the limitations of themselves, of their SCBA and while working as a team with other firefighters. Topics will include techniques for self rescue, RIT, use of the “Last Chance Rescue Filter”, and other self rescue options.

Firefighter survival training is designed for firefighters with intermediate or advanced experience levels. Students should have a good working knowledge of SCBA and their limitations. This training is highly intensive both physically and mentally. This class will use a 48’ Mobile Firefighter SCBA Simulator.

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

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

Instructor(s): Eric Stroud, Engineer, High Point FD
             Trey Smith, Captain, Charlotte FD
             Fire and Rescue Concepts, LLC
             NCDOI Certified Instructors

14 - FIRE SCENE DIGITAL PHOTOGRAPHY

12 Hours
Class begins at 9:00 AM on Saturday morning

One of the basic functions of the fire investigator is the documentation of the scene of a fire or explosion using a camera. This class will allow fire investigators to learn the facts about digital photography and processing digital images for use as evidence in legal proceedings. The strengths and limitations of digital photography and acceptable methods for securing the images and documenting processing after the images are made will be discussed.

Program Objectives:
- Describe the strengths and limitations of digital photography to document the scene of a fire or explosion.
- Describe the basic components of a high resolution digital camera and associated equipment used by fire investigators.
- Describe the basic operating principals of a high resolution digital camera.
- Describe basic techniques that may be used by the fire investigator to document a fire or explosion scene using a high resolution digital camera and compatible flash.
- Describe the components of a standard operating procedure for use by fire investigators using digital photography to document fire and explosion scenes.
- Demonstrate methods of preserving the original digital images taken at the scene of a fire or explosion.
- Describe methods the fire investigator may use to process digital images that are acceptable for forensic applications.
- Explain the impact of recent court decisions on the use of digital images as evidence in legal proceedings.

Equipment: Digital camera

Instructor: Wayne Hamilton, Fire Marshal for the City of Asheville, certified Fire/Arson Investigator by the NC Fire/Rescue Commission and International Association of Arson Investigators
15 - 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, Chief, Town of Carolina Beach Fire Department, NCDOI Certified Instructor

16 - 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 class will be 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): Mark Dillingham, Division Chief, Skyland Fire/Rescue
              Trevor Lance, Division Chief, Skyland Fire/Rescue
17 - HELICOPTER USE IN SEARCH AND RESCUE
12 Hours
Class begins at 9:00 AM on Saturday morning

Use of helicopters in North Carolina for searches, rescues, and rescue support roles is becoming more common, and rescuers must know how to integrate this valuable resource into search and rescue operations effectively. This unique, specialized course instructs rescuers in the use of helicopters in search and rescue (SAR) operations for lost persons, stressing how and when to integrate helicopters into such operations. The course goes into great detail about LZ site selection, marking and management of the LZ, how a landing zone (LZ) is set up and why it is important to set up the LZ based upon helicopter flight dynamics and limitations, especially in remote locations, communications with pilots using radio & hand signals, fire safety around helicopters, balanced loading of helicopters, and scene management. This course will teach SAR managers how to effectively use helicopters in aerial searches to improve search efficiency with ground teams, aerial search techniques and patterns, and detailed instruction in helicopter flight dynamics. Weather permitting, students will actually fly an aerial search to demonstrate the usefulness of aviation resources in SAR operations. Weight limitation per student: 230 lbs. Maximum student class size: 18

Equipment: Full body coverage clothing/light coveralls (not turn-out gear), light boots/shoes, folding knife, foam earplugs.

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 or class does not make.

Instructor: Bob Twomey, Pilot, Wolf Tree Aviation LLC, Chief, NC Helicopter SAR Team, NCDOI Certified Instructor

18 - 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). All persons accepted into this class must have his/her department name and chief’s signature on the registration form.

Note: Class begins at 7 PM on Friday night

Instructor: Kathy Price, District Special Assistant, Office of Congressman Mike McIntyre, 20 years experience as instructor/trainer in emergency services.
19 - 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 and Junior Member Policy form).

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

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

20 - 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.

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

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
**21 - ROCK CLIMBING FOR PROFESSIONAL RESCUERS**

*16 Hours*

Class will begin at 7:00 PM on Friday night

Rock Climbing for Professional Rescuers is a 16-hour course intended to familiarize professional rescuers with the techniques used by recreational climbers and the common emergency situations faced in the climbing environment. Course content will include but is not limited to climbing terminology, equipment, safety, movement and anchors. No experience is necessary. A physical fitness level enabling the participant to walk an ungroomed trail uphill for 40 minutes is required. 

**Rescuers are encouraged to bring personal gear that they would normally use during high angle rescues but it is not necessary.** Friday evening classes will be held at the Corpening Memorial YMCA climbing wall in Marion NC. Saturday and Sunday classes will be held at Chimney Rock State Park (Rumbling Bald Climbing Access).

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

**Fees:** An additional fee of $25 for use of supplied equipment (Total for class $35)

**Equipment:** Backpack sufficient to carry personal and climbing gear, food and water.

**Instructor:** Todd Mullenix, American Mountain Guides Association (AMGA) certified climbing instructor, Paramedic, McDowell EMS

**22 - SMALL AIRCRAFT CRASH RESCUE (ARFF)**

*14 Hours*

Class begins at 9:00 AM Saturday morning

This class is made up of classroom and hands-on training on the fire ground. The first day will consist of lectures that will cover aircraft rescue and firefighting in a broad view along with a focus on general aviation aircraft and the hazards of dealing with emergencies of this type of aircraft. Day two will begin on the training ground where students will get an up close look at a small general aviation aircraft. Students will learn proper approach procedures, stabilization of the aircraft, securing the aircraft with a proper shutdown, and several techniques for removal of victims from the cabin. There will be a live burn scenario where students will apply what they have learned to control an aviation incident. This class will utilize Cleveland Community College’s new ARFF Training Aircraft. 

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

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

**Note:** Requires Chief signature on registration and Chief’s Affirmation Form.

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

**Instructor:** Jimmy Brown, Captain, Charlotte Fire Department NCDOI and ARFF Certified Instructor
23 - UNDERSTANDING THE NORTH CAROLINA RESPONSE RATING PLAN
16 Hours
Class begins 6:00 PM on Friday evening

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. An outdoor exercise is planned as part of the class.

Equipment:
Full turnout gear

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

24 - WILDLAND: URBAN INTERFACE (S-215)
22 Hours
Class begins at 1:00 PM on Friday afternoon

This course is designed to assist structure and wildland firefighters who will be making tactical decisions when confronting wildland fire that threatens life, property, and improvements in the wildland/urban interface. Instructional units include interface awareness, size-up, initial strategy and incident action plan, structure triage, structure protection tactics, incident action plan assessment and update, follow-up and public relations, and firefighter safety in the interface. This course will be taught to the National Wildfire Coordinating Group (NWCG) standards. An outdoor exercise is planned as part of the class.

Note:
Class begins at 1:00 PM on Friday afternoon

Equipment:
Appropriate clothing for outdoor exercise

Instructor(s):
John Reese, Retired McDowell County Ranger, Wildland Fire Instructor
Thomas Swofford, Chief, Ashford/North Cove VFD
DRIVER OPERATOR CLASSES

25 - 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, DriveTech, Battalion Chief (retired), Charlotte FD
- Bill Weaver, Training Officer, Shelby Rescue
- NCDOI Instructors

27 - EVD TRAILER TOWING OPERATIONS
Driver/Operator Certification
12 Hours
Class begins at 9:00 AM on Saturday

Trailers are consistently being incorporated into numerous functions of emergency services. This course will present the knowledge, skills, and ability to satisfy the NFPA 1002 Fire Apparatus Driver/Operator Professional Qualifications 2009 Edition for trailer towing operations. Upon completion of this course students will be able to demonstrate skills in hooking, pulling and backing trailers of various sizes. Students must pass the practical and written exam with a score of 70% or above to receive certification. **Students must be at least 18 years of age and have a valid NCDL to participate.**

Note: Although not required to take the class, participants are encouraged to bring a tow vehicle and trailer from their agency if available.

Instructor:
- Adam Summey, Assistant Chief, Cedar Mountain Fire/Rescue
- NCDOI Certified Instructor
28 - 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, Chief, Salem Fire/Rescue, Retired Captain, Burke County EMS
Brian Pierce, Reynolds Fire Department, Lieutenant, PG Volunteer Fire Department
NCDOI Certified Instructors

30 - 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 Instructors

32 - 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, City of Asheville
NCDOI Certified Instructor
This course is a comprehensive program allowing the clinician to obtain the ability to correctly interpret a 12 Lead EKG. It has been taught in the classroom to hundreds of participants with outstanding reviews and outcomes. The program will focus on objectives like the process for acquiring a 12 Lead EKG, proper lead placement and skin preparation, anatomical views of the heart, conditions where a 12 lead would be indicated, the electrical conduction system, cardiac wave forms, axis deviation, ACS/STE-MI recognition, bundle branch blocks, Ventricular Tachycardia Recognition, 15 lead interpretation and significance, drug and electrolyte disturbances, and touch on 12 lead imposters. This 12 Lead EKG Program is recommended for:

- Physicians or Residents who need a refresher in reading and interpreting a 12 Lead EKG
- Registered Nurses who work in a telemetry unit, Cardiac Cath Lab, Emergency Department, CVICU, ICU, or any other Specialized Cardiac Unit
- Graduate Nurses who will be required to, or have an interest in interpreting a 12 Lead EKG
- Respiratory Therapists
- Paramedics and Critical Care Transport Providers who work in the pre-hospital environment and are required to interpret a 12 Lead EKG
- Exercise Physiologists who encounter Cardiac patients

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

Instructor: Jim Teague, CCEMT-P, FP-C, NC OEMS Level II instructor, Training Officer, Henderson County EMS
**34 - ADVANCED CARDIAC LIFE SUPPORT – EXPERIENCED PROVIDER (ACLS-EP)**

19 Hours
Class begins at 7:00 PM on Friday

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 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.

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

**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)

**Instructor(s):** 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

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**35 - EMT/MR CONTINUING EDUCATION CLASS**

24 Hours
Class will begin at 1:00 PM on Friday

This class is for EMT’s and Medical Responders looking to gain continuing education hours for NCOEMS re-certification. 24 hours of con-ed credit will be given for completion of this class. Enjoy practical scenarios as well as lecture based presentations covering required training topics. Scenarios in a variety of settings will be conducted ensuring that each student gets hands on skills training.

**Note:** Class begins at 1:00 PM on Friday

**Instructor:** Cecil Teeters, CCEMT-P, NREMT-P, NCOEMS Level II instructor, Training Officer, Caldwell County EMS
36 - 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.

Instructor: Brian Carswell, Engineer, Hickory FD
NCDOI Certified Instructor

37 - 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.

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: Dean Castaldo, Driver Engineer, Clyde FD
NCDOI Certified Instructor

38 - FIRE HOSE, STREAMS AND APPLIANCES 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.

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

Equipment: Full turnout gear

Instructor(s): Brian Kyatta, Engineer/Operations Officer, Skyland Fire/Rescue
Matt Crawford, Marion FD
Bradley Duncan, Enka Fire Department
NCDOI Certified Instructors
-FIREFIGHTER CERTIFICATION TRACK CLASSES -

40 - FIRE BEHAVIOR & PORTABLE EXTINGUISHERS

41 - 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.

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

42 - 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.

Note: Class begins at 8:00 AM on Sunday morning

Equipment:
Full turnout gear

Instructor:
Winfield Abee, Chief, Lovelady FD, Western Regional Fire/Rescue Coordinator
NCDOI Certified Instructor

43 - SALVAGE & OVERHAUL

44 - 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.

45 - 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.

Note: Class begins at 8:00 AM on Sunday morning

Equipment:
Full turnout gear

Instructor(s):
Kevin Bartlett, Captain, Skyland Fire/Rescue
Zach Cicillian, Engineer, Skyland 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.
46 - 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

Instructor: Richard Carroll, Captain, Shelby Fire & Rescue
NCDOI Certified Instructor

47 - 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 pre-fire 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

Instructor(s): James Guillermo, Assistant Fire Chief, Spindale FD
Chris Mehaffey, Engineer, Waynesville FD
NCDOI Certified Instructors

49 - 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.

Equipment: Full turnout gear required

Instructor(s): Bill Bateman, Assistant Chief, Andrews FD
Ray Frazier, Commander, Andrews Rescue Squad
NCDOI Certified Instructors
50 - 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.

Equipment: Full turnout gear required (both days)
Instructor(s): Jerry Hinson, Captain, Forest City FD  
Jason Matheny, Rutherford FD  
NCDOI Certified Instructors

51 - 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.

Note: Class begins at 7:00 PM on Friday night
Equipment: Full turnout gear, SCBA & spare bottle. SCBA bottles must have current hydro-test date
Instructor(s): Steven Lytle, Chief, Crooked Creek FD  
NCDOI Certified Instructor  
Marion Allison, Retired Chief, Crooked Creek FD

52 - RESCUE – FFI & II
24 Hours
Class begins at 1:00 PM on Friday afternoon

Today’s firefighters have to be able to respond to all types of emergencies and life safety is the first priority. Rescuers must be trained in the proper methods of moving patients from various emergency situations. As part of this course students will utilize various tools and equipment for gaining access to victims, and perform proper carries and drags for different injuries and situations including MVA’s, trench, elevator, and collapse rescue. Students must pass the practical and written exam with a score of 70% or above to receive certification.

Note: Class begins at 1:00 PM on Friday afternoon
Equipment: Full turnout gear, SCBA & spare bottle. SCBA bottles must have current hydro-test date
Instructor: Ben Caldwell, Senior Captain, Clyde Fire Department  
NCDOI Certified Instructors
53 - 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.

Equipment: PPE Equipment – Helmet, Gloves, Eye Protection

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

54 - 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.

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

Equipment: Full turnout gear (both days)

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

55 - 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.

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

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

Instructor(s): Ronald Morgan, Chief, Lake Lure Fire/Rescue
Dee Massey, Waynesville FD
NCDOI Certified Instructors
57 - 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

Equipment: Full turnout gear

Instructor(s): Chase Owen, Captain, Connestee Fire Rescue
Keith Owen, Chief, Connestee Fire Rescue
NCDOI Certified Instructors

FIRE LIFE SAFETY EDUCATOR

58 - FIRE & LIFE SAFETY EDUCATOR
Educator I: General
12 Hours
Class begins at 9:00 AM on Saturday morning

This course will give a basic overview of the duties and responsibilities of the position of Educator Level I and describe how the work of the position is completed in a typical fire department. The student shall demonstrate the ability to coordinate and deliver community fire and injury prevention programs.

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

NATIONAL FIRE ACADEMY CLASSES

59 - 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: Joe Littleton, NCDOI & NFA Certified Instructor
60 - 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/NFA Certified Instructor

61 - LEADERSHIP I for Fire and EMS
STRATEGIES FOR COMPANY SUCCESS (NFA)
12 Hours
Class begins at 9:00 AM on Saturday morning

Designed to meet the needs of the company officer, this course provides the participant with basic skills and tools needed to perform effectively as a leader in the fire service. This leadership course addresses techniques and approaches to problem solving, identifying and assessing the needs of the company officer, running meetings effectively in the fire service environment, and decision making for the company officer.

Target Audience:
- Line fire officers, unit commanders, or program supervisors
- Fire or rescue personnel due for performance/appointment to office rank or supervisory position within 6 months
- Training officers, staff, or administrative officers of fire and rescue organizations

**Instructor:** Robert Swiger, Retired, Field Training Supervisor, NCDOI OSFM
NCDOI/NFA Certified Instructor

62 - LEADERSHIP II for Fire and EMS
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:** John White, Captain, Apex Fire & Rescue
NCDOI/NFA Certified Instructor
63 - LEADERSHIP III for Fire and EMS
STRATEGIES FOR SUPERVISORY SUCCESS (NFA)
12 Hours
Class begins at 9:00 AM on Saturday morning

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/NFA Certified Instructor

64 - STRATEGY AND TACTICS FOR INITIAL COMPANY OPERATIONS (NFA)
18 Hours
Class begins at 6:00 PM on Friday night

This course is designed for the firefighter or fire officer that will be establishing strategy and tactics on structure fires. The class will cover training, pre-planning, fire flows, leaders, scene management, decision making, and engine company and truck company operations. On Sunday there will be a tabletop operation allowing the student to apply what the student has learned in class. All activities and scenarios used in this course are based on structure fires, utilizing small group, scenario-driven exercises that incorporate chapter topics as they are covered.

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

Instructor(s): Chris Jacobs, Training Officer, City of Lenoir FD,
Ken Nelson, Captain, City of Lenoir FD
NCDOI/NFA Certified Instructors
TECHNICAL RESCUSER CLASSES

TECHNICAL RESCUSER - CONFINED SPACE

65 - TR: RESCUE OPERATIONS (Confined Space)

9 Hours
Class will begin at 9:00 AM Saturday morning

During this class the Technical Rescuer will be taught to correctly identify in writing the necessary elements of pre-incident planning, a scene sizeup, incident action plan, hazard assessment procedures, and command responsibilities associated with confined space rescue incidents.

Equipment: Rescue Helmet, gloves.

Instructor: Fire and Rescue Concepts, LLC
NCDOI Certified Instructor

66 - TR: RESCUE RIGGING (Confined Space)

21 Hours
Class will begin at 6:00 PM on Friday night

During this class the Technical Rescuer will be taught to correctly identify, describe, and demonstrate the setup, operation, and function of various multiple-point anchor and portable anchor / lifting platform systems used during confined space rescue incidents. The Technical Rescuer shall correctly identify, describe, and demonstrate the setup, operation, and function of compound mechanical advantage systems used during confined space rescue incidents.

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

Equipment: Rescue helmets, head lamps, long sleeve, coverall or BDUs, appropriate foot wear, gloves, class 3 harness.

Instructor: Fire and Rescue Concepts, LLC
NCDOI Certified Instructor
*TECHNICAL RESCUSER - GENERAL TRACK CLASSES*

**67 – TR: GENERAL RESCUE OPERATIONS & HELICOPTER TRANSPORT**

**68 - 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.

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

**69 - 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.

*Note: Class begins at 8:00 AM on Sunday morning*

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

**70 - 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:** Students will need to bring 25’ of 2” webbing and a 35’ body cord. Appropriate gloves, work boots, helmet, safety glasses, suitable work clothes

**Instructor(s):** Jody Smyre, Assistant Chief, Claremont Rescue Squad, Operations Supervisor, Iredell County EMS,  
David Hedrick, Claremont Rescue  
NCDOI Certified Instructors
71 - 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

*VEHICLE & MACHINERY RESCUE - TRACK CLASSES

72 - VMR VEHICLE ANATOMY & RESCUE OPERATIONS

73 - 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

74 - VMR: RESCUE OPERATIONS
12 Hours
Class begins at 2:00 PM on Saturday afternoon

This class will present 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 2:00 PM Saturday afternoon

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

Instructor(s): David Orr, Deputy Chief, Brevard Rescue/Sterling Industrial FD
Kevan Smith, Captain, Asheville Regional Airport, Senior Captain, Brevard 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 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.

- 32 -
SPECIAL CERTIFICATION CLASSES

75 - CHIEF 101
12 Hours
Class begins at 9:00 AM on Saturday morning

This class consists of several programs that together will satisfy the 9s inspection criteria as specified by the North Carolina Administrative code. The primary objective of the course is to inform current and future chief officers of:

- the various aspects and complexities surrounding the operations and organization of North Carolina fire departments.
- understanding the basis of the procedures that govern a rating and response inspection.
- the various aspects of the response rating system as adopted in North Carolina.
- recognizing various sources of information that will assist departments in preparing for an inspection.

Emphasis will be placed on ratings and inspections, NFIRS reporting, prevention and grant programs, basic line-of-duty death information, financial considerations, and an overview of the various expectations of being a chief officer.

Instructor(s): Kevin Gordon, Chief of Training, Charlotte FD, Chief Waco VFD
Jacob Whisnant, Assistant Chief, Shelby Fire/Rescue
NCDOI Certified Instructors

76 - 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.

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

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

(NCDOI Office of State Fire Marshal 800-634-7854, and ask for Bookstore)
Other materials will be furnished during class.

Instructor: Barrett Graham, Firefighter/Attorney-at-Law, Newport FD
In order to receive credit for any NIMS classes students must have a TERMS account and register for the class online.

Directions for setting up an account and registering for a class in TERMS

Login to website:  http://terms.ncem.org/TRS/
Click on <Training Registration Login>
Click on <First Time Registration>
Type information requested (Last name, First name, last 4 of SS#)
Click on <continue>
Type information in for Personal Profile
Fields with an * are required information
When finished click on <Save>
Click on <Return to Previous page>
Click on <Calendar>
Click on <date for the class you are wanting to take>
Click on <I wish to register for this class>

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**77 - 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. In order to receive credit for any NIMS classes students must have a TERMS account and register for the class online. This is in addition to the MFRC registration.

**Note:** 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

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**78 - NIMS INCIDENT COMMAND SYSTEM**

**ICS-400**

12 Hours

Class begins at 9:00 AM on Saturday morning

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. In order to receive credit for any NIMS classes students must have a TERMS account and register for the class online. This is in addition to the MFRC registration.

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

**Instructor:**
Randy McKinney, Retired, Emergency Services Director, Burke County
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. **In order to receive credit for any NIMS classes students must have a TERMS account and register for the class online. This is in addition to the MFRC registration.**

Class begins at 7:00 PM on Friday night.

**Instructor(s):**  
Rob Brisley, Captain, Charlotte Fire Department  
Jim Landis, PIO, Gastonia Fire Department
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FOR YOUR INFORMATION

Registration

• Mail original registrations in plenty of time. Forty nine (49) classes were closed before the 2012 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 Chief signatures must be on all registrations.**
• Have department Chief sign the Chief Affirmation if required.

**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 until we receive this information.

• Participants between the ages of 16-18 and currently attending high school must have our *Concurrent Enrollment* form signed by their high school principal.
• 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.

*This form is required and must be returned with registrations before the student will be registered to a class. No exceptions.*

**Fees**

McDowell Fire & Rescue College fee is $10.00 (non-refundable)
Other fees may apply. Check book for details.

**Cutoff date for pre-registration is Friday, March 8th.**

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](http://www.mcdowelltech.edu/firerescue.html)
2013 McDowell Fire & Rescue College Registration Form

Please print and include all information requested

Social Security ___________________________ (Full SS# needed for certification classes)
Name __________________________________________
Mailing Address __________________________________________
City __________________________ State ________ Zip __________
Date of Birth __________________________ County __________
(Circle) Male Female (Circle) White, African American, 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.

Department Name __________________________
Department ____________ Paid or ____________ Volunteer and ____________ State Agency or ____________ Local/County Agency
Department Mailing Address __________________________
Department City, State, Zip __________________________
Department Phone (    ) __________________________
Department e-mail address __________________________

Class # ____________ Class __________________________
1st __________________________
2nd __________________________
3rd __________________________
4th __________________________

Note! – Student and Chief signatures required for all classes
If class is for certification the student grants permission to McDowell Technical Community College and the NC Department of
Community Colleges to release the appropriate course information to the certifying agency.

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

McDowell Fire & Rescue College Fee $10.00 (Non-refundable)
(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.

Cutoff date for pre-registration is Friday, March 8th. Pre-registrations post-marked after this date
will not be accepted or processed.

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, Foam Fire Streams, Basic Engine Company Operations, and Small Aircraft Crash Rescue.

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 Director of Continuing Education at MTCC or a McDowell Fire & Rescue College Training representative.

The firefighters listed below have the experience and background to participate in the practical exercises and have met the minimum requirements set forth by the current edition of NFPA 1403.

An original Chief’s Signature is required for each firefighters name listed on this page. Use back of form if needed.

Student Name (Printed)  Chief's Name (Signature)

________________________________________________________________________

________________________________________________________________________

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Concurrent Enrollment Form
(Must be completed in full for students still in high school)

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 15 – 17, 2013. Student must be sixteen (16) years of age or older.

________________________________________

Signature of Principal

________________________________________

Printed Name of Principal
2013 McDowell Fire & Rescue College Registration Form

Please print and include all information requested

Social Security __________________________ (Full SS# needed for certification classes)
Name __________________________________
Mailing Address ____________________________________________________________
City ___________________________ State ___________ Zip __________________________
Date of Birth __________________________ County __________________________
(Circle) Male (Circle) Female (Circle) White, African American, 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.

Department Name __________________________
Department __________________________ (Circle) Paid or (Circle) Volunteer and (Circle) State Agency or (Circle) Local/County Agency
Department Mailing Address __________________________
Department City, State, Zip __________________________
Department Phone ( ) __________________________
Department e-mail address __________________________
Class # __________________________ Class __________________________
1st __________________________ __________________________
2nd __________________________ __________________________
3rd __________________________ __________________________
4th __________________________ __________________________

Note! – Student and Chief signatures required for all classes

If class is for certification the student grants permission to McDowell Technical Community College and the NC Department of
Community Colleges to release the appropriate course information to the certifying agency.
Student signature (Required) __________________________ Date __________
Chief signature (Required) __________________________ Date __________

McDowell Fire & Rescue College Fee $10.00 (Non-refundable)
(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.
Cutoff date for pre-registration is Friday, March 8th. Pre-registrations post-marked after this date
will not be accepted or processed.

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, Foam Fire Streams, Basic Engine Company Operations, and Small Aircraft Crash Rescue.

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 Director of Continuing Education at MTCC or a McDowell Fire & Rescue College Training representative.

The firefighters listed below have the experience and background to participate in the practical exercises and have met the minimum requirements set forth by the current edition of NFPA 1403.

**An original Chief’s Signature is required for each firefighters name listed on this page. Use back of form if needed.**

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**Concurrent Enrollment Form**

(Must be completed in full for students still in high school)

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)

(Address of high school)

concurrently enrolled through McDowell Technical Community College for the McDowell Fire & Rescue College, March 15 – 17, 2013. **Student must be sixteen (16) years of age or older.**

______________________________
Signature of Principal

______________________________
Printed Name of Principal
MCDOWELL FIRE & RESCUE COLLEGE
60 EAST COURT STREET
MARION, NORTH CAROLINA 28752

Attn: Terry Young
828-652-3982
Fax 828-659-2782
E-Mail: terry.young@mcdowellgov.com

WEEKEND OF: March 15-16-17, 2013
McDOWELL HIGH SCHOOL
MARION, NC 28752

VENDOR REGISTRATION FORM
(Registration Fee’s Are Non-Refundable)

To reserve space, please complete the following information. Space will be limited to space reserved by pre-payment. Deadline for vendor registration is March 10, 2013.

Name of Company: ______________________________________________________
Address: _______________________________________________________________
E-mail Address:_________________________________________________________
Telephone No: ______________ Fax No: _______________
Contact Person: ____________________________________

Please reserve ____________ table spaces for my company.

Please furnish _________ tables spaces at a cost of $100.00 per table. (Two table minimum).

Check enclosed in the amount of $ ________.

VEHICLE DISPLAY SPACE OUTSIDE IS $100.00 PER VEHICLE. (A check must accompany your registration and so state if it is for a vehicle display space.

NO. OF VEHICLES: _________ ENCLOSED AMOUNT $ ________.

A PDF version of this form is located on the McDowell Fire & Rescue College website (www.mcdowelltech.edu/firerescue.html)

“All vendors are invited to furnish favors for the students”