

ALLEGHENY COUNTY FIRE ACADEMY

**In Cooperation with the
COMMUNITY COLLEGE of ALLEGHENY
PUBLIC SAFETY INSTITUTE**



Spring 2012 TRAINING SCHEDULE

**Allegheny County Chief Executive
Dan Onorato
Acting Chief/County Fire Marshall
Alvin Henderson, Jr.
Allegheny County Fire Academy Administrator
Allan C. Wickline**

Registration Policy/Procedures

All students must be pre-registered for classes at the Allegheny County Fire Academy (ACFA). In order to plan ahead for facilities and equipment, ACFA needs to know how many students are attending each program. Classes have a minimum of 15 students and a maximum of 24 to 30 students to allow each student as much training as possible. Therefore, the ACFA reserves the right not to accept walk-in students for any program. Walk-ins will be accepted, on a limited basis, up to the course size limit as established by the Pennsylvania State Fire Academy (PSFA) Minimum Standard for Accreditation (MSA) for the program.

Enrollment forms are due at ACFA two (2) weeks prior to the start of class. Enrollment forms can either be faxed or mailed to ACFA at the address and fax number on the enrollment form. At this point the class roster will be set and acceptance letters will be sent to all students enrolled in the program. **Bring the acceptance letter with you to the first day of class, as this will ensure you a spot if there is any conflict with regard to number of students enrolled in a program.** Any enrollment forms received after the deadline will be honored on a first-come-first-served basis up to the course limit as established by the MSA. By registering beyond the deadline, the student accepts the risk of not being enrolled in the program and being sent home the first day of class.

Courses with prerequisite requirements must have documentation of the prerequisites being met attached at the time the enrollment form is submitted to ACFA. Attached copies of the certificate issued for the prerequisite course will satisfy this requirement. Any enrollment forms received without documentation will be rejected and the student will not be enrolled in the program.

As program space is limited, the ACFA reserves the right to suspend any student who registers for a program and then does not show up or cancels out of the program less than two (2) weeks prior to the start of the class. If such “no-shows” occur as a group from a single fire department the Academy reserves the right to suspend the entire department from attending courses sponsored by ACFA.

Chief's Authorization

In authorizing a student to attend classes at ACFA, the Fire Chief is certifying that the student:

- Meets the pre-requisite knowledge and abilities to attend the class per the course description.
- Is medically qualified to attend the course and can participate in **ALL** evolutions.
- Is covered by the Fire Department's Workers' Compensation Insurance during attendance at the Academy.
- Will be provided with appropriate turnout gear, SCBA and other personal protective equipment as dictated by the course description.

Facial Hair Policy/Procedure

In order to comply with accepted standards (NFPA 1403, 1404 and 1500, and OSHA Respiratory Protection) and Pennsylvania State Fire Academy guidelines; any program that utilizes SCBA or other respiratory protection will require students registering to be clean-shaven. This means there will be no facial hair anywhere along the jaw line, the chin or under the lower lip. A well-trimmed mustache is permitted. **Any student out of compliance with the policy will be given the option of shaving prior to the start of class or not attending the program.**

Dress Code Policy

The Allegheny County Fire Academy (ACFA) is a formidable educational institution that provides a high quality of service to the firefighters in the county and surrounding counties. In order to keep the highest quality of education at the ACFA, there must be a dress code that is commensurate of the education that is being delivered at this facility. The clothing a student wears to the ACFA can greatly affect the safety and academic focus of that student and the surrounding students. Extreme discretion is advised on the part of the students. **The ACFA staff will become involved in the matter of dress when an individual student exercises poor judgment in his/her mode of dress; that is, the dress interferes with the learning process, constitutes a hazard to the student or others, or is deemed inappropriate**

for the training setting by the staff and administration. Safety issues will be addressed with clothing or shoes when seen as dangerous.

- Armbands, buttons, and badges are permissible, as well as clothing bearing slogans, as long as they are not gang related, obscene, libelous, or display items or products that are contrary to the ACFA rules and regulations, or interfere with the educational process.
- Objects that are sharp or protruding from the person of a student are prohibited. This specifically includes, but is not limited to spikes on collars, jackets, shoes and wristbands.
- Duty uniforms are preferred. A few specific classes will require a professional level of dress. For these classes, appropriate dress will be noted in the student's course acceptance letter.
- Shorts, skirts, dresses, pajama pants, and torn-ragged clothing are NOT permitted.
- Trousers and pants are not to sag below the waistline so that bare-midriff, gluteal cleft, and/or underwear are seen.
- Tank type jerseys, muscle shirts, sleeveless shirts, halters, off-the shoulder shirts, pajama shirts, and bare midriff tops are prohibited. Shirtsleeves must have a seam and two inches of material that cover the shoulders.
- Utmost discretion is urged with the wearing of see-through or skin-tight apparel and low-cut shirts.
- Students **MUST** wear long-sleeved shirts or sweatshirts for courses requiring protective clothing on live fire days to reduce the risk of thermal injury. It is recommended that this clothing be of natural fibers (cotton, wool, etc.) or of flame restive material, and not of man-made sports type fabric that is designed to wick away perspiration from the body.
- **Hats (including hoods), headbands, and bandanas are not to be worn in the classroom.**
- Footwear in the classroom must cover the entire foot and be secured to the foot. No slippers, flip-flops, or clogs will be permitted. On the training ground the footwear must be work boots with safety toe protection or bunker boots.
- Jewelry should be limited as not to interfere with the student's safety or be offensive to others.

Personal Protective Equipment Inspection Policy

ACFA will have a gear inspection performed during the course of any program that involves live fire training. The intent of this inspection is to ensure the protection of the student participating in training. Deficiencies in the protective equipment inspected will be noted on the inspection form. Not all deficiencies will prevent the gear from being used in the program. Only if the “NO” box next to “PPE acceptable for use” is checked is the student not permitted to wear the inspected gear for the live fire evolution portion of the program. Gear not acceptable for live fire use may continue to be worn for non-live fire portions of the program. A copy of the gear inspection form shall be sent home with the student for review.

Any Chief Officer with questions or concerns about the gear inspection policy or process should contact Staff Instructor Steve Imbarlina at simbarlina@county.allegheny.pa.us or 412-931-3158 x 4 or 724-935-4634.

Program Coordinators

ACFA has divided the program coordination duties up among the instructional staff:

- Essentials and Suppression Programs –
 - Steve Imbarlina at 412-931-3158 x 4
- Certification and Haz-Mat Programs –
 - Russ Young at 412-931-3158 x 3
- Rescue, Fire Department Station Training, Suppression, and C.E.R.T Programs –
 - Glenn Kopec at 412-931-3158 x 2

Please use the above list to assist you in directing your inquiries with regard to the programs at the Fire Academy.

Materials Fees

Materials Fees are attached to classes where expendable materials are required and necessary for the class (i.e. plywood, books, locks, drywall, etc.). If a class has a Material Fee it is due and payable with the CCAC Public Safety Institute Registration Form. Payment must be in the form of Check, Money Order, or Credit Card payable to CCAC. Cash cannot be accepted.

Registrations received without payment will not be accepted.

- **CREDIT CARD POLICY:** Effective immediately we will not be able to take any credit card information on or with the registration forms or over the telephone. For credit card payment, use the Non-Credit Store (<http://shopcommunityed.ccac.edu/>) or call CCAC-North Campus Registration directly at (412) 369-3701.
- **REFUND POLICY:** Students not attending a program must notify the ACFA and CCAC Public Safety Institute in writing BEFORE the first class session to receive a refund.

Essentials of Firefighting and Emergency Response

2007 Pilot Program

Introduction to the Fire Service (Module 1)

Prerequisite: None

This course is designed to introduce new firefighters to basic information including an overview of the fire service, fire service organization, firefighter safety, personal protective equipment and terrorism awareness. This is the first of four (4) courses in the curriculum.

Pre-Class Instructions: Prior to the first day of class, each student MUST:

- **Have a copy of the text book: DELMAR CENGAGE Learning's "Firefighter's Handbook, Firefighter I and Firefighter II, 3rd Edition" (ISBN # 978-1-4283-3982-8) that must remain in the possession of the student throughout the entire course. If your fire department does not have a copy, it is available through the Western Pa. Fireman's Association at www.wpfa.org .**
- **Read Chapters 1, 2, 5, and 6 from the text book.**
- **Have a notebook, pen, and a #2 pencil.**
- **Have a set of Personal Protective Equipment (PPE) consisting of a helmet, coat, pants, hood, boots, primary eye protection, and gloves.**

Dress Code: Although we will discuss our policies and procedures in depth on the first day of class, be advised of the following policies for the first day of class:

- **Closed shoes that cover the entire foot.**
- **Long pants.**
- **Shirts must have sleeves.**
- **No hats, ball caps, etc shall be worn indoors.**

Delmar Hazardous Materials Awareness Level (DHMA)

Prerequisite: None

The primary target audiences for this course are the First Responders charged with response actions associated with hazardous materials releases. Student will learn and adapt the knowledge and skill requirements for effective scene and response management. The goal of this program is to provide the First Responder with the training needed to comply with NFPA 472 Chapter 4 Competencies for the First Responder at the Awareness Level, and 29 CFR 1910.120 OSHA's Hazardous Waste Operations and Emergency Response, (HAZWOPER), First Responder Awareness Level. This program is designed to give the first responder the necessary skills to handle hazardous materials emergencies.

The student will need to provide: pen/pencil, notebook, *Firefighter's Handbook, Firefighter I and Firefighter II, 3rd Edition* that must remain in possession of the student throughout the entire course, *Firefighter's Handbook, Student Skill Sheet Book* that must remain possession of the student at the end of the program, *DOT Emergency Response Guide (ERG) Book, 2008 Edition*.

Fire Ground Support (Module 2)

Prerequisites: Introduction to the Fire Service (ELIS)

Delmar Hazardous Materials Awareness (DHMA) or equivalent

This course is designed to introduce new firefighters to fire ground operations including fire behavior, fire extinguishers, water supply, fire hose, ropes, and hazardous materials. This is the second of four courses in the curriculum.

The student will need to provide: pen/pencil, notebook, *Firefighter's Handbook, Firefighter I and Firefighter II, 3rd Edition* that must remain in possession of the student throughout the entire course, *Firefighter's Handbook, Student Skill Sheet Book* that must remain possession of the student at the end of the program, PPE, SCBA with spare cylinder, 15' of 1/2" (12mm) static kernmantle rope.

Exterior Fire Fighter (Module 3)

Prerequisites: Fire Ground Support (ELFG)

National Incident Management System-An Introduction (NIMS-700)

Introduction to Incident Command System (IS-100)

This course is designed to introduce new firefighters to exterior fire ground operation including building construction, ladders, communications, protective systems/sprinklers, forcible entry, and fire prevention. This is the third of four courses in the curriculum.

The student will need to provide: pen/pencil, notebook, *Firefighter's Handbook, Firefighter I and Firefighter II, 3rd Edition* that must remain in possession of the student throughout the entire course, *Firefighter's Handbook Student Skill Sheet Book* that must remain possession of the student at the end of the program, PPE, and SCBA with spare cylinder.

Delmar Hazardous Materials Operations (DHMO)

Prerequisites: Delmar Hazardous Materials Awareness (DHMA) or equivalent

The primary target audiences for this course are the First Responders charged with response actions associated with hazardous materials releases. Student will learn and adapt the knowledge and skill requirements for effective scene and response management. This program is designed to train and educate the student in hazardous materials response at the Hazardous Materials Operations level and in accordance with NFPA 472 of 2008 and 29 CFR 1910.120. This program is designed to give the first responder the necessary skills to handle hazardous materials emergencies.

The student will need to provide: pen/pencil, notebook, *Firefighter's Handbook, Firefighter I and Firefighter II, 3rd Edition* that must remain in possession of the student throughout the entire course, *Firefighter's Handbook Student Skill Sheet Book* that must remain possession of the student at the end of the program, PPE, and SCBA, spare cylinder.

Interior Fire Fighter (Module 4)

Prerequisites: Exterior Fire Fighter (ELEF)

Delmar Hazardous Materials Operations (DHMO) or equivalent

This course is designed to introduce new firefighters to interior fire ground operation including nozzles and streams, SCBA, rescue, ventilation, fire suppression, salvage, and firefighter survival. This is the fourth of four courses in the curriculum.

The student will need to provide: pen/pencil, notebook, *Firefighter's Handbook, Firefighter I and Firefighter II, 3rd Edition* that must remain in possession of the student throughout the entire course, *Firefighter's Handbook Student Skill Sheet Book* that must remain possession of the student at the end of the program, PPE, and SCBA, spare cylinder.

Fire/Rescue/Medical Classes

Aerial Apparatus Practices Extended

Prerequisites: IST or ELIS

This course will give a more extensive treatment of the subject of aerial device operation than is afforded by the 16 hour version, AELA. Through both classroom and hands-on practice, students will become familiar with basic design and operational theory of aerial devices, safety considerations, spotting and stabilizing, device operation, elevated master stream, and rescue. An introduction to basic truck company operations is also included

The student will need to provide: TOG, pen/pencil, notebook.

Engine Company Operation I

Prerequisites: ELIF or EBM or FFI Certification

This course provides instruction in the duties and responsibilities of an engine company. Topics include: positioning of apparatus, use of attack and back-up lines, search and rescue, and water supply. **Look for Engine Co Ops II Fall 2012.**

The student will need to provide: TOG, SCBA, pen/pencil, notebook.

Evaluator's Workshop - Short Program

Prerequisites: Must be a current PSFA Certification Evaluator and the evaluator must be NBFSPQ and IFSAC certified in the certifications level in which they intend to evaluate.

This annual two (2) hour workshop is a requirement for all **CURRENT** evaluators who wish to continue evaluating certification tests. The purpose of this workshop is to provide current evaluators with standardized information in regards to the certification program. Information focuses on changes in administrative policies and procedures, skill sheets and the NFPA standards which pertain to the evaluation process for certification testing. Individuals attending this program will demonstrate an understanding of the administration and goals of the PA Certification Program: and their ability to evaluate fairly, consistently and safely.

The Evaluator Workshop requires a PA State Evaluator Application. These are available by request from the Allegheny County Fire Academy Staff.

Flashover Simulator *Fee: \$29.00*

Prerequisites: ELIF or EBM

This course is designed to give the fire fighter the skills and knowledge that are required to recognize and understand the flashover stage of an interior compartment fire. The primary focus of this course is to give the student a thorough knowledge of flashover and pre-flashover conditions. The goal of this course is to teach the student how to deal with these conditions in a safe and productive manner. The ultimate outcome is to equip fire fighters with the skills to avoid becoming victims of this violent phenomenon.

The student will need to provide: pen/pencil, notebook, turnout gear, SCBA. Students must submit the Structural Burn Consent Form with their application to be enrolled in this program. (See form enclosed with this brochure) There is a \$29.00 material fee payable to CCAC for this program that must be submitted with the student's registration to be enrolled in this course. NO CASH ACCEPTED

Fire Fighter I Prep

Prerequisites: 18 years of age, Live Burn, CPR, First Aid, Haz-Mat Operations

This course is designed to help the fire fighter in preparing for a Fire Fighter I Certification Exam. This course will cover the referenced text book, and will include the practical skill stations used for Fire Fighter I Certification.

The student will need to provide: pen/pencil, notebook, TOG, SCBA.

Forcible Entry *Fee: \$15.00 (Materials)*

Prerequisites: ELIF or EBM

This course will provide the fire fighter with a better understanding of building construction as it applies to forcible entry. Also covered will be opening techniques and the use of tools for safe, quick access to a structure.

There is a \$15.00 material fee payable to CCAC for this program that must be submitted with the student's registration to be enrolled in this course. NO CASH ACCEPTED

The student will need to provide: pen/pencil, notebook, TOG, SCBA.

Pump Operations I

Prerequisites: IST or Fire Ground Support (ELFG)

This course provides the fire fighter with an introduction to basic pump construction and theory as well as operating techniques. Emphasis is placed on getting water to the pump, getting water from the pump for hose streams, and prevention of common mistakes in pump operations. **Look for Pump Ops II Fall 2012.**

The student will need to provide: pen/pencil, notebook, TOG.

Truck Company Operations I *Fee: \$15.00 (Materials)*

Prerequisite: ELIF, EBM, or FFI Certification

This course will introduce the student to the basic duties of a truck company including hand and power tool operation, search and rescue, and ventilation. Truck company support to the engine company is also covered. **Look for Truck Co Ops II Fall 2012.**

There is a \$15.00 material fee payable to CCAC for this program that must be submitted with the student's registration to be enrolled in this course. NO CASH ACCEPTED

The student will need to provide: pen/pencil, notebook, TOG, SCBA.

Structural Burn Session

Prerequisites: ELIF or EBM

This course will provide the student with a review and application of the techniques used in safe fire fighting practices in an actual fire environment. Emphasis is placed on safety for both interior and exterior operations.

The student will need to provide: pen/pencil, notebook, PPE, SCBA, spare cylinder.

Basic Rigging for Rope Rescue

Prerequisites: ELIS or IST

The student will be introduced to rope, rope hardware, patent packaging, and basic haul systems, which can be used in various aspects of rescue. The intent of this course is to provide rope and basic rigging experience for anyone interested in rope rescue, but particularly those who do not want to, or are unable to rappel.

The student will need to provide: pen/pencil, notebook, additional PPE will be discussed 1st day of class.

Basic Vehicle Rescue Technician *Fee: \$75.00 (Vehicles and Materials)*

Prerequisite: ELIS or equivalent.

This course gives the student the knowledge included in all of the modules of BVR. At the end of this program the student will be able to take the written DoH Basic Vehicle Rescue Technician certification test.

The student will need to provide: pen/pencil, notebook, TOG.

Confined Space Rescue

Prerequisites: RORE and REPR or DHBR

Students will learn a plan of operations, tolls, manpower and manipulation skills required to perform safe removal of victims from limited space confinement. Emphasis is placed on safety and the psychological effects of confined space rescue. Students will participate in team rescue scenarios.

The student will need to provide: notebook, pen or pencil, other PPE will be discussed 1st day of class.

CPR *Fee: \$35.00*

Prerequisite: None

BLS for healthcare provider uses materials from the American Heart Association which is a 2 year certification. This course includes (adult, child, and infant) procedures for the following: recognizing emergencies, chain of survival, checking for responsiveness, CPR (one and two person), rescue breathing, trauma jaw thrust, barrier devices, bvm, and mouth to mask techniques, choking (conscious and unconscious), and AED.

The student will need to provide: pen/pencil, notebook

***No personal Checks for CPR ...FD, Relief or money orders made out to John Steiminger.**

Emergency Vehicle Driver Training Program

Prerequisites: IST or Intro to the Fire Service

This course, developed by Volunteer Firemen's Insurance Services, provides instruction in techniques of driving emergency vehicles under all conditions. Students will learn the importance of vehicle dynamics, driver selection, condition and preparation on safe vehicle operations. The course includes practice on a driving course laid out to simulate various driving conditions. Also included is a section on service and preventive maintenance.

The student will need to provide: pen/pencil, notebook.

Fire Officer I and Certification

Prerequisites: F.F. II, ICS, HAZ-MAT OPS

This program is designed to prepare experienced fire fighters and officers for the task of becoming better trained as fire officers. This 40-hour program will emphasize the necessary skills for managing people, fire stations, and fire ground incidents. Certification is included.

The student will need to provide: pen/pencil, notebook, and the 4th edition of IFSTA Company Officer (this textbook is required and the student's responsibility to acquire prior to the start of class). Available at <http://lcfa.com/> .

Visit us on the internet at www.county.allegheny.pa.us/emerserv/fireacad/.

First Aid *Fee: \$35.00*

Prerequisite: None

Heart Saver First Aid uses materials from the American Heart Association which is a 2 year certification. This course contains four sections. The first section contains general principles: responsibility and liability issues, BSI, safety, when and how to phone for help, finding the problem with patients and after the emergency is over. Section two contains medical emergencies: allergic reactions, chest pains, breathing problems, heart attacks, fainting, diabetes, strokes, and seizures. Section three contains injury emergencies: bleeding (external and internal), nosebleeds, bleeding in the mouth, impaled objects, amputations, shock, head and spine injuries, burns, and broken bones. Section four contains environmental emergencies: bites (animals and human), stings, snakes bites, ticks, cold and heart related emergencies, hypothermia, and poisons.

The student will need to provide: pen/pencil, notebook

***No personal Checks for First Aid...FD, Relief or money orders made out to John Steiminger.**

Health and Safety Officer (NFA)

Prerequisite: INFO or 5 years as a line officer

The target audience of this course is any individual who has an active involvement in planning, organizing, implementing, or monitoring a department-level occupational health and safety program within their fire service organization. Such topics as risk analysis, wellness, program management, and other occupational safety issues are covered in depth.

The student will need to provide: pen/pencil, notebook.

ICS – 300: Intermediate ICS for Expanding Incidents

Prerequisites: ICS-200.A: ICS for Single Resources and Initial Action Incidents, Ver. 2, -OR- NIMS ICS for the Fire Service NFA (NICS-FS), -OR- Incident Command System NFA (ICS) plus NIMS An Introduction (IS-700), -OR- NIMS ICS for Emergency Medical Services (NICS-EMS), -OR- Incident Command System for Emergency Medical Services NFA (ICS/EMS) plus NIMS An Introduction (IS-700), -OR- an equivalent course(s) accredited by the Emergency Management Institute (EMI), National Fire Academy (NFA), National Wildland Coordinating Group (NWCG), US Coast Guard (USCG), or the National Park Service (NPS).

This course is designed to provide overall incident management skills rather than tactical expertise. The course will cover the implementation of the incident management process on expanding incidents; define incident types, and the development of an Incident Action Plan. Determining capabilities to match incident complexity will be discussed. When and how to add appropriate ICS positions to match the complexity of the incident will be explored. The use of Incident Management Teams will be discussed.

The student will need to provide: pen/pencil, notebook.

ICS – 400: Advanced ICS for Command and General Staff, Complex Incidents and MACS

Prerequisites: ICS-300: Intermediate ICS for Expanding Incidents or an equivalent 300 level course accredited by the Emergency Management Institute (EMI), National Fire Academy (NFA), National Wildland Coordinating Group (NWCG), US Coast Guard (USCG), or the National Park Service (NPS).

This course will discuss how major incidents pose special management challenges. It will explore the circumstances in which an Area Command is established and describe the circumstances in which multi-agency coordination systems are established.

The student will need to provide: pen/pencil, notebook.

Natural Gas Emergencies (sponsored by Columbia Gas)

Prerequisites: ELIF, EBM, or FFI Certification

This eight hour program will start with four hours of classroom training at the ACFA, followed by four hours of practical fire suppression training at Columbia Gas' Training Facility in Ellwood City, PA. Students will be shown the dangers of natural gas, and techniques on how to control these incidents.

The student will need to provide: pen/pencil, notebook, TOG, SCBA.

Rope /High Angle Rescue I

Prerequisites: ELIS or DOH First Responder or equivalent

This course provides an introduction to rope, basic rope construction, knots, safe rappelling techniques, and basic haul systems construction.

The student will need to provide: pen/pencil, notebook, boots, long pants, helmet, eye protection, and clean leather gloves.

Rope /High Angle Rescue II

Prerequisite: RORE

The student will re-introduces to the various types of rescue equipment. Students will be trained in; mechanical advantage systems, safeties, basic ascending, basic rappelling technique and tie-offs with rappel rack, rope changes, and one person rescue. The students will perform a low angle raise and lower evolutions simulating patient transport on embankments. Most of the program is hands-on and time is allotted for practice in order to build proficiency.

The student will need to provide: pen/pencil, notebook, boots, long pants, helmet, eye protection, and clean leather gloves.

Rope /High Angle Rescue III

Prerequisites: RORE, RORA, and/or RORX

Students in this course will be re-introduced to the basics of RORE and RORA. Students will be trained in critical angles advanced vertical rigging, picketing, load distributing anchor systems, tie-backs, artificial anchors, rigging a stokes for vertical lifts, passing a knot in a raising/lowering system, tying a patient in to a stokes while hanging on a vertical wall. Most of the program is hands on and time is allotted for practice in order to build proficiency. **Look for Ropes 4 thru 6 Fall 2012.**

The student will need to provide: pen/pencil, notebook, boots, long pants, helmet, eye protection, and clean leather gloves.

Structural Collapse Operations Level I

Prerequisite: None

This course will familiarize students with operations at the scene of a structural collapse. It prepares them to function effectively during the first stages of such an emergency, and if necessary, effectively integrated with specialized Urban Search and Rescue (USAR) teams, activities. Situation assessment, location and using available resources and personnel safety are stressed.

The student will need to provide: notebook, pen or pencil.

Structural Collapse Operations Level II *Fee: \$50.00 (Materials)*

Prerequisite: Structural Collapse Operations I

This course gives rescue personnel the knowledge and skills to operate effectively at incidents involving the collapse of light frame and heavy wall structures. The course contains considerable hands-on instruction in situation assessment, emergency shoring and stabilization, breaching building materials and patient packaging and extrication.

The student will need to provide: notebook, pen or pencil, work clothes, head, hand, eye, ear, and foot protection.

There is a \$50.00 materials fee payable to CCAC for this program that must be submitted with the student's registration to be enrolled in this course.

Wilderness Search and Rescue/Search Responder

Prerequisite: Structural Fire Service Personnel – ELIS

This course is presented in a combination of classroom and field work to present basic search operation techniques and organizational skills to the first responding units on a lost person incident. **Look for Wilderness Search and Rescue Grid Search classes Fall 2012.**

The student will need to provide: pen/pencil, notebook, long pants, and sturdy shoes.

Seminars

Chemical Suicides

Prerequisite: None

This three hour seminar will examine the recent types of suicides involving dangerous chemicals. Commonalities and how first responders should approach these incidents will be discussed. Additionally, several case studies will be presented.

The student will need to provide: pen/pencil, notebook.

Duquesne Light Safety

Prerequisite: None

This course provides instruction on how to deal with emergencies “live” electrical wires and/or equipment. It will also provide the fire fighter with knowledge of the proper ways to handle electrical emergencies.

The student will need to provide: pen/pencil, notebook.

Evaluator’s Workshop - Short Program

Prerequisites: Must be a current PSFA Certification Evaluator and the evaluator must be NBFSPQ and IFSAC certified in the certifications level in which they intend to evaluate.

This annual two (2) hour workshop is a requirement for all **CURRENT** evaluators who wish to continue evaluating certification tests. The purpose of this workshop is to provide current evaluators with standardized information in regards to the certification program. Information focuses on changes in administrative policies and procedures, skill sheets and the NFPA standards which pertain to the evaluation process for certification testing. Individuals attending this program will demonstrate an understanding of the administration and goals of the PA Certification Program: and their ability to evaluate fairly, consistently and safely.

The Evaluator Workshop requires a PA State Evaluator Application. These are available by request from the Allegheny County Fire Academy Staff. The student will need to provide: pen/pencil, notebook

Hydrant Operations and Water Systems

Prerequisite: None

This class will present information on the different hydrants with in West View Water System along with their operating procedures and the effect they can have on the water system and fire dept equipment. The authority policy on the use of hydrant and maintenance program and how the fire department is part of our maintenance program.

The student will need to provide: pen/pencil, notebook.

Visit us on the internet at www.county.allegheny.pa.us/emerserv/fireacad/.

Pet First Aid

Prerequisite: None

This 2 hour seminar is designed to provide individuals with the basic life support skills for domesticated animals. CPR and vital signs will be demonstrated and discussed.

NOTE: Please do not bring animals with you to class.

The student will need to provide: pen/pencil, notebook.

Hazardous Materials and Terrorism Classes

Barges and Waterways

Prerequisite: None

This course is designed to prepare the emergency responder to handle emergencies (mainly Haz-Mat) on the area's waterways. Discussion will include but not be limited to boat and barge design and enhancing the responders ability in handling incidents involving one of these vessels during water and river responses.

The student will need to provide: pen/pencil, notebook.

Ethanol Hazards and Foam Operations

Prerequisites: None

Those participating in this course will enhance their understanding of ethanol and blended fuel products. Ethanol is not a new hazard to emergency responders but the potential has grown over the last several years due to increased usage. Locally, we have fixed ethanol storage facilities, and ethanol being transported via truck, train and now barges. Discussion will include but not be limited to a basic knowledge of ethanol, different types of foam used to extinguish ethanol fires, application rates, and proper foam application methods.

The student will need to provide: TOG, pen/pencil, notebook.

Delmar Hazardous Materials Awareness Level (DHMA)

Prerequisite: None

The primary target audiences for this course are the First Responders charged with response actions associated with hazardous materials releases. Student will learn and adapt the knowledge and skill requirements for effective scene and response management. The goal of this program is to provide the First Responder with the training needed to comply with NFPA 472 Chapter 4 Competencies for the First Responder at the Awareness Level, and 29 CFR 1910.120 OSHA's Hazardous Waste Operations and Emergency Response, (HAZWOPER), First Responder Awareness Level. This program is designed to give the first responder the necessary skills to handle hazardous materials emergencies.

The student will need to provide: pen/pencil, notebook, one (1) of the following text books: Delmar's Firefighter's Handbook, Firefighter I and Firefighter II, 3rd Edition or Delmar's Hazardous Material Handbook: Awareness & Operations Level, PA Custom Edition, and a DOT Emergency Response Guide (ERG) Book, 2008 Edition.

Delmar Hazardous Materials Operations (DHMO)

Prerequisite: DHMA or equivalent

The primary target audiences for this course are the First Responders charged with response actions associated with hazardous materials releases. Student will learn and adapt the knowledge and skill requirements for effective scene and response management. This program is designed to train and educate the student in hazardous materials response at the Hazardous Materials Operations level and in accordance with NFPA 472 of 2008 and 29 CFR 1910.120. This program is designed to give the first responder the necessary skills to handle hazardous materials emergencies.

The student will need to provide: pen/pencil, notebook, one (1) of the following text books: Delmar's Firefighter's Handbook, Firefighter I and Firefighter II, 3rd Edition or Delmar's Hazardous Material Handbook: Awareness & Operations Level, PA Custom Edition, and a DOT Emergency Response Guide (ERG) Book, 2008 Edition, PPE, and SCBA, spare cylinder.

Delmar Hazardous Materials Operations Refresher

Prerequisite: DHMO or equivalent

This refresher course is for the First Responders who have taken the Hazardous Materials Operations Level 472 course. The Student will use previous learned skills and information presented during the class room training to perform the skills associated with NFPA 472 Chapter 5 Competencies for the First Responder at the Operational Level, and 29 CFR 1910.120 OSHA's Hazardous Waste Operations and Emergency Response, (HAZWOPER), First Responder Operations Level.

The student will need to provide: pen/pencil, notebook, TOG, SCBA.

Hazardous Materials Technician Refresher

Prerequisite: Haz-Mat Operations

This course will provide students with 8 hours of review on knowledge of the emergency responder at the operations level. Information gained in this program will include most importantly, the health and safety of the responder and hazardous materials management systems. Hazard and risk evaluation, the proper choice/use of personnel protective clothing, and equipment will also be explained and covered in field exercises. The need for information management and resources coordination, along with implementation of response objectives, decontamination, and terminating the incident will be explained in class and supported with practical exercise.

The student will need to provide: pen/pencil, notebook.

Emergency Response to Terrorism – Tactical Considerations –Hazardous Materials (NFA)

Prerequisite: One of the following: FEMA’s Basic Concepts course (ERT: BC) or self study course (ERT: SS) or PSFA Terrorism Operations (TODP). Students must also be certified by their employers at the Hazardous Materials Technician or Specialist Level per OSHA 29 CFR1910.120 [q] /EPA 40 CFR 311.

This course was designed for the first-on-the-scene career or volunteer hazardous materials technician or persons with hazardous materials responsibilities for developing initial tactical considerations. The student will be trained in security considerations, identifying signs of terrorism, anticipating unusual response circumstances, assessing information and taking corrective actions, and importantly determining strategies for survival. The student will also apply his/her knowledge about response to Biological, Nuclear, Incendiary, Chemical, and Explosive (B-NICE) events: identifying and preserving evidence, managing site safety, mitigating the incident, documenting the event, and debriefing personnel.

The student will need to provide: pen/pencil, notebook.

Suits and Levels of Protection with In Suit Emergencies

Prerequisite: Haz Mat Technician

This course will include the selection and use of chemical protective clothing at all levels, with special emphases on Level–A protection. Participants will practice donning and doffing, working in chemical suits, and dealing with in-suit emergencies. Additionally, students will be presented with and demonstrate how to overcome common emergencies while inside of chemical protective clothing.

The student will need to provide: pen/pencil, notebook.

LOCATION: PITTSBURGH FIRE ACADEMY

Fire Classes

Fire Fighter Survival

Prerequisites: ELIF or EBM and recommended RITC, SFR, ICS. Student must be physically able to crawl, climb and descend ladders, slide on rope, and SUPPORT OWN BODY WEIGHT WHILE HANGING BY ARMS. PA State Fire Academy facial hair policy applies.

This is a comprehensive program dealing with the knowledge and skill needed to effect rescue as a member of a Rapid Intervention Team. The course also demonstrates “last-ditch” self-rescue techniques (some of which are not seen in books). These emergency procedures, through involving some risk themselves, are designed to be useable when the only other alternative is to die. Emphasis will be placed on search techniques, communications, accountability, and self-rescue procedures. This course is best suited for students who, in addition to the prerequisite training, have at least a ‘ground-floor’ level of on-the-street practical firefighting experience.

The student will need to provide: pen/pencil, notebook, PPE, SCBA with spare cylinder, PASS device.

Abbreviations

ACFA	Allegheny County Fire Academy
AED	Automated External Defibrillator
BLS	Basic Life Support
BVM	Bag Valve Mask
BVR	Basic Vehicle Rescue
BVRA	Basic Vehicle Rescue Awareness
BVRO	Basic Vehicle Rescue Operations
BVRT	Basic Vehicle Rescue Technician
CCAC	Community College of Allegheny County
CPR	Cardiopulmonary Resuscitation
DHBR	Basic Rescue Practices
DHMA	Delmar's Hazardous Materials Awareness
DHMAR	Delmar's Hazardous Materials Awareness Refresher
DHMO	Delmar's Hazardous Materials Operations
DHMOR	Delmar's Hazardous Materials Operations Refresher
DHS	Department of Homeland Security
DOH	Department of Health
EBM	Essential Basic Modules
ELFG	Entry Level Fire & Ground Support
ELIF	Entry Level Interior Firefighter
ELIS	Entry Level Intro to Fire Service
EOC	Emergency Operations Center
EVDT	Emergency Vehicle Driver's Training
EVOC	Emergency Vehicle Operations Course
FEMA	Federal Emergency Management Agency
HMA	Hazardous Materials Awareness
HMAR	Hazardous Materials Awareness Refresher
HMO	Hazardous Materials Operations
HMOR	Hazardous Materials Operations Refresher
IAFF	International Association of Fire Fighters
ICS	Incident Command System
IFSTA	International Fire Service Training Association
INFO	Introduction to Fire Officership
ISO	Incident Safety Officer
IST	Introduction to Safety and Training
LNG	Liquefied Natural Gas
LODD	Line of Duty Death

Visit us on the internet at www.county.allegheny.pa.us/emerserv/fireacad/.

LRV	Light Rail Vehicles
MSA	Mine Safety Appliance
NFA	National Fire Academy
NFFF	National Fallen Firefighters Foundation
NFPA	National Fire Protections Association
NFPA	National Fire Reporting System
NIMS	National Incident Management System
OSFC	Office of the State Fire Commissioner
OSHA	Occupational Safety and Health Association
PBFTA	Pittsburgh Bureau of Fire Training Academy
PPE	Personal Protective Equipment
PSFA	Pennsylvania State Fire Academy
R & I	Recognition and Identification
REPR	Respiratory Protection
RORE	Rope/High Angle Rescue
SCBA	Self-Contained Breathing Apparatus
SIMCO	Simulated County
TOG	Turn Out Gear
UC	Unified Command
WMD	Weapon of Mass Destruction