

Bucks County Community College



Local Level Emergency Services Training Catalog

2010-2011

*Bucks County Community College
Department of Public Safety Training & Certification
1760 South Easton Road, Doylestown, Pennsylvania 18901
Phone 215-340-8417 Fax 215-343-6794
www.bucks.edu/publicsafety*

Revised Last: May 24, 2010

Bucks County Community College



Public Safety Training and Certification

Bucks County Community College is committed to providing equal educational and employment opportunities. This encompasses persons in legally protected classifications in regard to race, color, natural origin, sex, handicap, sexual orientation, age, religion, disabilities, and Vietnam military veterans. The college provides reasonable accommodations for persons with disabilities in accordance with the Americans with Disabilities Act (ADA). Please call the Campus Coordinator for Equal Employment Opportunities in advance to request or clarify accommodations or to address issues concerning equal opportunities at 215-968-8090. The EEO Office is located in Room 135, Tyler Hall.

The Security Information Report required by the College and University Security Act of Pennsylvania and the Student Right-To-Know and Campus Security Act of the Federal Government is available in the Office of Safety and Security and at other campus locations.

Bucks County Community College

Accredited by:



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Welcome

Bucks County Community College takes great pride in our role to train the emergency responders of Pennsylvania. Through the years, we have developed and implemented a solid customer service program, an abundance of emergency services training opportunities, and a positive educational experience for all of our fellow emergency responders.

Now serving the sixty-seven counties of Pennsylvania, Bucks stands ready to meet the training needs of Pennsylvania's emergency response community. We will continue to work hard to support the Office of the State Fire Commissioner and the mission of the program, to provide training for the emergency response organizations within the Commonwealth.

As members of the emergency service family, we know the importance of "on demand training". Supporting this training is our responsibility; we stand ready and committed to our mission, helping you to help others in need.

If you have already experienced training with Bucks County Community College, we thank you and hope that you will continue your relationship with us. If you have not used Bucks in the past, we invite you to try the Bucks experience. We will not disappoint you or your organization.

Our commitment is simple, a solid customer service philosophy, quality programming, and resource support for a positive training experience. Many frequently asked questions have been answered on page 24 of this catalog. We hope that you will provide us the opportunity to be your educational training agency.

Thank You,

The Staff

Directory of Bucks County Community College

Bucks County Community College
Department of Public Safety Training and Certification
1760 South Easton Road
Doylestown, Pennsylvania 18901

Office 215.340.8417

Fax 215.343.6794

If you are outside of the (215) area code call us

Toll Free at 888.BUCKS77

Website <http://www.bucks.edu/publicsafety>

Local Level State Training Programs

- Barbara A. Miller - Vice President of Continuing Education, Workforce Development, & Public Safety
O - 215.968.8414 Email – millerb@bucks.edu
- Robert H. Grunmeier, II - Executive Director, Public Safety Training & Certification
O – 215.340.8401 Email – grunmeie@bucks.edu
C – 267.716.3785
- Fred Hunsinger - Director, Field Operations – Eastern Region
C – 267.446.0736 Email – hunsinge@bucks.edu
(Adams, Bradford, Carbon, Centre, Clinton, Columbia, Cumberland, Dauphin, Juniata, Lebanon, Lackawanna, Luzerne, Lycoming, Mifflin, Montour, Northumberland, Perry, Pike, Potter, Schuylkill, Snyder, Sullivan, Susquehanna, Tioga, Union, Wayne, Wyoming, and York Counties)
- Nick Wuckovich - Assistant Director, Field Operations – Western Region
C – 267.446.0785 Email - wuckovic@bucks.edu
(Allegheny, Armstrong, Beaver, Bedford, Blair, Butler, Cambria, Cameron, Clarion, Clearfield, Crawford, Elk, Erie, Fayette, Forest, Franklin, Fulton, Greene, Huntingdon, Indiana, Jefferson, Lawrence, McKean, Mercer, Somerset, Venango, Warren, Washington, and Westmoreland Counties)
- Charles “Chas” Moritz - Assistant Director, Field Operations – Southeast Region
C – 267.718.0633 Email – moritzc@bucks.edu
(Berks, Bucks, Chester, Delaware, Lancaster, Lehigh, Monroe, Montgomery, Northampton, and Philadelphia Counties)
- Linda Fossler - Program Coordinator
O – 215.340.8432 Email - fosslerl@bucks.edu
- Danielle Stebner - Specialized Support, Billing
O – 215.497.8715 Email – stebnerd@bucks.edu
- Amy Hannon - Senior Specialized Support, State Training
O – 215.340.8478 Email – hannona@bucks.edu

Bucks County Community College
Department of Public Safety Training and Certification

Specialized Program Assistance

Earl "Rob" Freese, III Director, Certification and Curriculum Development
O – 215.968.8190 Email – freese@bucks.edu

Fred Hashagen Director, Facility Operations
O – 215.340.8406 Email - hashagen@bucks.edu

Charlie Vaughan Director, Industrial Safety Training
O – 215.504.8515 Email - vaughanc@bucks.edu

Directory of State Training Agency

Office of the State Fire Commissioner
P.O. Box 3321
Harrisburg, Pa 17105

Edward Mann - State Fire Commissioner

Office 717.651.2200

Fax 717.651.2210

If you are outside of the (717) area code call us
Toll Free at 800.670.3473

Pennsylvania State Fire Academy
1150 Riverside Drive
Lewistown, Pa 17044-1979

Office 717.248.4096

Fax 717.248.3580

If you are outside of the (717) area code call us
Toll Free at 800.459.4096

Website: <http://www.osfc.state.pa.us>

The Training Program

The Local Level Program is the longest running, organized training program conducted by the Commonwealth of Pennsylvania. This type of training continues to increase the effectiveness of Pennsylvania's emergency service organizations, by centering the training on the organization's specific equipment and apparatus.

"Hands on" training comprises a major part of the instructor's responsibilities. The adjunct instructor must organize the group in such a way that each student experiences as much practice as is necessary to gain competency.

This training introduces the most effective methods for using the equipment and apparatus available to the student. Occasions do occur in which the equipment of a particular organization is limited. When necessary, the instructor will use additional equipment or apparatus from mutual aid organizations to facilitate the various training programs.

The Bucks County Community College will **NOT** facilitate and/or conduct live fire training sessions in acquired structures. Bucks County Community College will continue to support live fire training sessions at fixed fire training facilities that have provided evidence of compliance with NFPA 1403, chapter 5, section 5.2.2.2 and chapter 6, section 6.2.2.2.

Furthermore, all training sessions utilizing an acquired structure will be required to provide Bucks County Community College with evidence of a completed and accurate Asbestos Abatement & Demolition/Renovation Notification Form (DEP Form #2700-FM-AQ0021), as well as, a notarized document ensuring the legal property owners release of said property for training purposes, prior to approval of the training session. Additional permits from Department of Environmental Protection (DEP) may be required, the requesting or hosting agency is responsible to obtain all permits and fees that may apply.

In addition, customized training is available for public safety organizations and industrial facilities. For additional information, contact the respective field director (see page 3).

Course Content and Format

Instruction consists of classroom discussions, demonstrations, lectures, practical applications, and drills necessary to develop proficiency in the handling of fire department apparatus, tools, and appliances. Topics such as forcible entry, fire suppression, hoseline advancement, ladder and fire stream practices, salvage and overhaul, rescue, and other subjects are presented as outlined.

Limited courses relating to technical subjects that are important to the emergency services are presented to the first responders. All courses offered (except as noted) are approved by the Pennsylvania State Fire Academy; a minimum standard for accreditation has been established for course content and learning objectives.

Length of Courses

The length of each course varies depending on the nature of the subject. Classes usually meet for a four-hour evening session or for eight hours on Saturday and Sunday (allowing participants to complete a 16-hour course in one weekend). Students will receive a 15-minute break during evening sessions, and lunch and breaks during the eight-hour sessions.

Weekday classes usually begin between 18:00 and 19:00 hours and weekend classes usually begin at 08:00. For information on specific class times and location, you may contact the hosting organization listed on the website on the [Courses by County](http://www.bucks.edu/publicsafety/courseofferings.php) page [<http://www.bucks.edu/publicsafety/courseofferings.php>] or call the main office at 215.340.8417.

Training Request

The attached list of courses are available and may be requested any time throughout the year by completing the "Local Level Course Application" in the back of this catalog. The application should be submitted to: Bucks County Community College – Department of Public Safety Training & Certification, 1760 South Easton Road, Doylestown, Pa 18901. The application should be submitted at least eight (8) weeks prior to the course starting date. This will allow sufficient time to contract instructors and forward course materials to the training site.

We recommend that you contact the adjunct instructor(s) to establish dates and times acceptable for both parties, before submitting the course application to the Department of Public Safety Training & Certification. This will speed up the application process and insure instructor availability. If you cannot locate an instructor, or need assistance with processing the "Local Level Course Application", contact your respective field director and they will assist you.

Course Enrollment and Cancellation Policy

The required minimum class size is 15 students for most programs. The local contact person should notify the adjunct instructors ten days before the start of the course, if the required number of students has not been met. Approval to run the class, regardless of the number of registered students, may be obtained by contacting your respective field director. Contact numbers are available on page 3 of this catalog.

Training courses can be cancelled, with no cost to the sponsoring organization, ten days prior to the start date. If approval to run a program under the required class size cannot be obtained, the sponsoring organization may elect to conduct the course by completing the local level service agreement; see page 185 for more information or contact your respective field director.

To proceed with the "buy out" option, the instructor will provide the sponsoring organization with a service agreement (located in the back of this book) before the start

of the program. This agreement must be signed by a representative of the sponsoring agency and returned to the instructor. The sponsoring agency will be charged for the number of students under the class minimum at the rate specified in the agreement. The organization should then forward a check to Bucks County Community College (The class section number should be listed on the check.)

If the sponsoring organization does not cancel the course 10 days in advance, the sponsoring organization will be charged for the instructor's incurred costs and lost wages for the course. The instructor's wages are calculated at the currently approved rate per hour. Failure to pay this fee will result in a sponsoring agency being suspended from local level training. All courses have maximum student enrollment levels established as well as a minimum. Please review these requirements with the instructor while making arrangements for the course.

Course Locations

Sessions are traditionally held at local emergency service stations where the necessary apparatus, tools, and equipment are available to the instructor and the class. Course locations and section numbers may be found on our website on the [Courses by County](http://www.bucks.edu/publicsafety/courseofferings.php) page [<http://www.bucks.edu/publicsafety/courseofferings.php>]. Contact your respective field director or the main office for additional detailed information.

Tuition

Bucks County Community College may charge for materials and a registration fee if the recommended enrollment guidelines have not been met. The College may collect lunch and facility use fees for specific county training weekends. The sponsoring county training committees establish these fees.

Instructor Credentials

Instructors are selected from the list of certified state instructors approved by the Pennsylvania State Fire Academy. Each instructor must meet the Pennsylvania State Fire Academy instructor requirements for each course taught. Bucks County Community College must contract all instructors, including assistants, prior to their teaching of a course.

As our customer, you may request a specific instructor to present the program. Our policy is that instructors are assigned by credentials and availability. Bucks County Community College will make every effort to provide any requested instructor; however, please keep in mind that the possibility of rescheduling courses exists, if the requested instructor is not available for your specific course dates. If we cannot find a qualified instructor (requested or randomly assigned) for your specific dates, the course will be rescheduled or cancelled. We suggest that you contact your local field director for any instructor assignment information.

Travel expenses may be the responsibility of the sponsoring agency if the instructors assigned to teach the course did NOT receive approval for travel expenses by Bucks County Community College.

Student Responsibilities

Students are responsible for the material presented in each class. It is each student's responsibility to make up assignments and attendance in a course as required. Individual student requirements and conduct shall be in accordance with established Pennsylvania State Fire Academy and Bucks County Community College policies as stated by the instructor at the beginning of class. Students will be removed from class if they are in violation of these established policies. If the course requires prerequisite training and/or national certification the student must have proof of such on the first scheduled meeting of the class. Some courses may require published text book(s); this will also be the student's responsibility to have the required text book(s) on the first scheduled day of the class. Tuition, lunch, and facility use fees (where applicable) will **NOT** be refunded to the student or their sponsoring organization.

Training Certificates

Each student will be awarded a Certificate of Training after successful completion of the course. Absence from 20% of the prescribed hours automatically disqualifies a student from receiving a certificate, unless the missed training sessions are made up with an approved instructor. The lead instructor must be notified immediately of possible class absences. Reasonable accommodations will be made for students with valid justification. Some courses do require 100% attendance depending on the curriculum being presented.

Local Level Course Application Information

If your emergency service organization would like to sponsor a state certified or custom training program, follow these steps:

1. The Training Officer or Chief must complete a "Local Level Course Application". A sample is included in the back of this booklet. If assistance is needed in completing the application or selecting an instructor, please contact the your respective field director.

The completed application should be mailed to:

Bucks County Community College
Dept. of Public Safety Training & Certification
1760 South Easton Road
Doylestown, Pa 18901

Course applications may also be faxed to 215.343.6794.

**LOCAL LEVEL COURSE APPLICATIONS SHOULD BE SUBMITTED
AT LEAST EIGHT (8) WEEKS BEFORE THE PROPOSED START DATE**

2. Bucks County Community College will generate the instructor's contract from the course application. Audio-visual aids, manuals, and other resources will be arranged for during the eight weeks prior to the start of the class.
3. The instructor and the "Local Contact Person" should be in contact with each other during this period to make apparatus, equipment, and classroom arrangements. The local level contact person should notify the instructor of student enrollment ten days prior to the class start date.

As our customer, you may request a specific instructor to present the program. Our policy is that instructors are assigned by credentials and availability. Bucks County Community College will make every effort to provide any requested instructor; however, please keep in mind that the possibility of rescheduling courses exists, if the requested instructor is not available for your specific course dates. If we cannot find a qualified instructor (requested or randomly assigned) for your specific dates, the course will be rescheduled or cancelled. We suggest that you contact your local field director for any instructor assignment information.

4. If class enrollment is low, the instructor or field director must be notified at the earliest possible time to secure authorization for class and instructional support.
5. All courses will be advertised on the website on the [Courses by County](http://www.bucks.edu/publicsafety/courseofferings.php) page [<http://www.bucks.edu/publicsafety/courseofferings.php>].

Age Restricted Classes

Can Not Register “Under Age 16”

<i>FSC</i>	<i>Course Name</i>
103	Hazardous Materials Operations Skills Challenge
178	BVR Awareness (State)
177	BVR Operations (State)
341	Basic Rigging for Rope Rescue
472	Hazardous Materials Operations

Can Not Register “Under Age 18”

<i>FSC</i>	<i>Course Name</i>
108	Incident Safety Officer
156	Vehicle Rescue Refresher
158	BVR Refresher Practical
164	Dwelling Fires (Bucks Custom)
165	Commercial Building Operations (Bucks Custom)
170	Emergency Vehicle Operations Refresher
172	Confined Space Rescue Technician (NFPA 1006)
179	BVR Technician (State)
188	Fire Service Instructor II (NFPA 1006)
202	Fire Fighter Survival (SURV)
205	Engine Co Ops (State) (Only when live fire/smoke is used)
208	Truck Company Operations II
209	Truck Company Operations I (Only when live smoke is used)
235	Emergency Vehicle Operations Course (State)
238	Bus Rescue (State)
275	Driver Operator Certification (NFPA 1006)
307	Respiratory Protection I (REPR) (Only when live fire is used)
308	Vehicle Fires and Other Emergencies (VFOE)
311	Respiratory Protection II
314	Confined Space Rescue Refresher
315	Aerial Apparatus Practices (State)
322	Trench Rescue Operations II
323	Trench Rescue Operations I(State)
324	Confined Space Rescue (State)
327	Vehicle Rescue Refresher and Technology Update (VRTU)
334	Ice Safety and Rescue (FCIR)
339	Rope/High Angle Rescue II
340	Rope/High Angle Rescue I
414	Special Vehicle Rescue (State)
419	Propane Emergencies Practical Exercises (PPPE)
420	Pump Operations I

Can Not Register “Under Age 18” (continued)

<i>FSC</i>	<i>Course Name</i>
421	Pump Operations II
444	Fire Company Officer IV (NFPA 1006)
446	Water Rescue - Phase I (Water Rescue and Emergency Response)
450	Rescue Technician General Requirements (NFPA 1006)
451	Rescue Technician Rope (NFPA 1006)
452	Rescue Technician Vehicle & Machinery (NFPA 1006)
453	Rescue Technician Structural Collapse (NFPA 1006)
455	Water Rescue - Phase II (Emergency Boat Operations and Rescue)
456	Water Rescue – Advanced Line Systems Rescue
457	Rescue Technician Trench (IFSAC)
463	Interior Firefighting: No Live Fire (ELIF)
469	Interior Firefighting: Live Fire Exercises (ELIF)
480	Fire Fighter II Written (NFPA 1001)
481	Fire Fighter II Practical Skills (NFPA 1001)
483	Fire Fighter I Written (NFPA 1001)
484	Fire Fighter I Practical Skills (NFPA 1001)
504	Liquefied Petroleum Gas and Natural Gas Emergencies (LPGE)
572	Elevator and Escalator Rescue Emergencies
600	Structural Burn Session (STATE)
601	Plans Examiner I (NFPA 1031)
603	Thermal Imaging for the Fire Service
617	Fire Inspector I (NFPA 1031)
645	Fire Company Officer I (NFPA 1021)
646	Fire Company Officer II (NFPA 1021)
647	Fire Company Officer III (NFPA 1021)
648	Hazardous Materials Technician
655	Fire Service Instructor III (NFPA 1041)
656	Fire Service Instructor I (NFPA 1041)
662	Fire Inspector II (NFPA 1031)
700	Forcible Entry (TFE)
725	Flammable Liquids Fire Fighting (FLBU)
745	Structural Collapse Operations: Level II
760	Rapid Intervention Team Basic Training
761	Rapid Intervention Team Refresher
769	Rescue Technician General Requirements & Confined Space (NFPA 1006)
770	Rapid Intervention Team Advanced Training
787	Driver Operator – Pumper (NFPA 1002)
788	Driver Operator – Aerial (NFPA 1002)
793	Fire Investigator (NFPA 1033)
794	Public Fire and Life Safety Educator I (NFPA 1035)
795	Hazardous Materials Incident Commander (NFPA 472)
797	Aircraft Rescue Fire Fighting (NFPA 1003)
825	Driver Operator –ARFF (NFPA 1002)

Can Not Register “Under Age 18” (continued)

<i>FSC</i>	<i>Course Name</i>
827	Clandestine Laboratory Awareness for First Responder
828	Clandestine Laboratory Operations for First Responder
847	Clandestine Drug Labs: Operations Level
848	Public Fire and Life Safety Educator II (NFPA 1035)
878	Public Safety Telecommunicator I & II (NFPA 1061)
898	Driver Operator – Mobile Water Supply (NFPA 1002)
916	Bucks Advanced Fire Academy

All ages subject to change, new or updated classes may not appear until the next edition of the catalog.

Last Revised: January 11, 2009

For additional information or questions about
Age restricted classes
Please call:

- **Eastern PA:** (Adams, Bradford, Carbon, Centre, Clinton, Columbia, Cumberland, Dauphin, Juniata, Lebanon, Lackawanna, Luzerne, Lycoming, Mifflin, Montour, Northumberland, Perry, Pike, Potter, Schuylkill, Snyder, Sullivan, Susquehanna, Tioga, Union, Wayne, Wyoming, and York Counties)
Fred Hunsinger (267) 446-0736 or hunsinge@bucks.edu
- **Southeastern PA:** (Berks, Bucks, Chester, Delaware, Lancaster, Lehigh, Monroe, Montgomery, Northampton, and Philadelphia Counties)
Charles “Chas” Moritz (267) 718-0633 or moritzc@bucks.edu
- **Western PA:** (Allegheny, Armstrong, Beaver, Bedford, Blair, Butler, Cambria, Cameron, Clarion, Clearfield, Crawford, Elk, Erie, Fayette, Forest, Franklin, Fulton, Greene, Huntingdon, Indiana, Jefferson, Lawrence, McKean, Mercer, Somerset, Venango, Warren, Washington, and Westmoreland Counties)
Nick Wuckovich (267) 446-0785 or wuckovic@bucks.edu

Directory of Course in Alphabetical Order

FSC	TITLE
243	Advanced Fire Police
626	Advanced First Aid
874	Advanced Wilderness First Aid
686	AED & Airway Management
315	Aerial Apparatus Practices
317	Aerial Apparatus Practices Extended
363	Air Monitoring Instrumentation
316	Airbag Implication
335	Aircraft Crash Rescue Short Course
571	Aircraft Emergency Awareness
797	Aircraft Rescue and Fire Fighting (ARFF)
491	Airway Management, EMT-B (Module 2)
557	Allergies, EMT-B (4-5)
946	Alleys and Courtyards; Awareness
302	American Heart Association Basic First Aid
282	American Heart Association: AED and CPR
672	American Heart Association: Automated External Defibrillator
962	American Red Cross Emergency Response Review
973	American Red Cross: Professional Rescuer
505	Apparatus Preventative Maintenance
598	APR's, Personal Protective Equipment, and Fit Testing
735	Arson Awareness for Emergency Responses Personnel
734	Arson Detection for the First Responder
155	Attack and Back-up Lines
525	Automatic Detection and Suppression Systems
182	Ballistic Injuries
159	Baseline Vital Signs and Sample History
242	Basic Fire Police
749	Basic Life Support and Hazmat Response to Incidents
341	Basic Rigging for Rope Rescue
178	Basic Vehicle Rescue Awareness
177	Basic Vehicle Rescue Operations
158	Basic Vehicle Rescue Refresher Practical
179	Basic Vehicle Rescue Technician
833	Behavioral Emergencies, EMT- B (4-8)
489	Bleeding and Shock, EMT-B (5-1)
296	Bloodborne Pathogens and Infectious Diseases Awareness
181	Bloodborne Pathogens Refresher
196	Bombs, Threats, and Improvised Devices

FSC	TITLE
916	Bucks Advanced Fire Academy
913	Bucks County Basic Fire Academy
153	Building Construction Refresher
707	Building Construction: Fire Resistive and Non- Combustible
780	Building Construction: Wood and Ordinary
238	Bus Rescue
1008	Carbon Monoxide (CO) Awareness
502	Carbon Monoxide Detector Responses
653	Cardiac Emergencies, EMT-B (4-3)
332	Cave Rescue
364	Chlorine "A" and "B" Containment Kit Operation
360	Chlorine Emergencies Awareness
841	Church Fires & Fire Ground Size-up
838	Civilian & Firefighter Rescue Procedures
847	Clandestine Drug Labs: Operations Level
827	Clandestine Laboratory Awareness for First Responder
636	Class A Foam
165	Commercial Building Fire Operations
851	Communication Overview for First Responders
279	Communications, EMT-B (3-7)
549	Community and Worker Right to Know
985	Compressed Air Foam Systems
115	Conducting Basic Fire Prevention Inspections
536	Confined Space Entry Refresher
324	Confined Space Rescue
314	Confined Space rescue Refresher
769	Confined Space Rescue Technician (NFPA 1006)
353	Container and Vessel Identification
926	Convenience Stores and Fast Food Restaurant Fires
791	Courtroom Preparation for First Responders
798	Damage Reporting and Assessment
774	Decontamination Practices
361	Decontamination Review
759	Decontamination Strategy and Tactics
287	Diabetes/Altered Mental Status EMT-B
369	Difficult Patient Packaging
298	Documentation, EMT-B
788	Driver Operator - Aerial Certification Challenge (NFPA 1002)
825	Driver Operator - Aircraft Rescue & Fire Fighting Apparatus (NFPA 1002)
898	Driver Operator - Mobile Water Supply Apparatus (NFPA 1002)
524	Driver Operator - Mobile Water Supply Certification Challenge (NFPA 1002)

FSC	TITLE
787	Driver Operator - Pumper Certification Challenge (NFPA 1002)
275	Driver Operator Pumper Certification (NFPA 1002)
854	Duties and Responsibilities of the EMA Coordinator Seminar
164	Dwelling Fire Operations
186	Dynamics of Emergency Vehicle Response
250	Educational Methodology for Local Level Instructors
740	Electrical Emergencies
777	Electrical Fire Investigation
572	Elevator & Escalator Rescue
595	Elevator Rescue Awareness Seminar
251	Emergency Medical First Responder
255	Emergency Medical Technician -Basic
859	Emergency Preparedness for Severe Weather
239	Emergency Response for Fire Police
820	Emergency Response Guide Book Training
757	Emergency Response to Ammonia and Chlorine Emergencies
747	Emergency Response to Terrorism: Basic Concepts
753	Emergency Response to Terrorism: Tactical Considerations for Company Officer
754	Emergency Response to Terrorism: Tactical Considerations for EMS
755	Emergency Response to Terrorism: Tactical Considerations for HazMat
235	Emergency Vehicle Drivers Training
170	Emergency Vehicle Operations Refresher
803	Employee Fire Safety: Child Care Facilities
543	Employee Fire Safety: Extinguisher Refresher
545	Employee Safety and Extinguisher Training
997	EMS and the Crime Scene
693	Engine and Truck Company Ops for High Rise Fires
205	Engine Company Operations
836	Engine Company Operations at High Rise Fires
634	Engine Company Operations Refresher
286	Environmental Emergencies EMT-B
671	Epinephrine Auto-Injector Training
517	Essentials Refresher
462	Exterior Firefighter
620	Farm Rescue
599	Farm Rescue Refresher
630	Farm/Barn Fire Fighting
979	Farm/Barn Fire Fighting Refresher
748	Fire & Arson Investigation-Electrical I- Overview
733	Fire Arson Investigation
531	Fire Attack In Sprinklered Properties

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FSC	TITLE
633	Fire Behavior
805	Fire Care for the Elderly
645	Fire Company Officer I (NFPA 1021)
646	Fire Company Officer II (NFPA 1021)
647	Fire Company Officer III (NFPA 1021)
444	Fire Company Officer IV (NFPA 1021)
674	Fire Control Refresher
984	Fire Department Risk Management
1002	Fire Department Safety Officer- Health and Safety Officer Testing
1003	Fire Department Safety Officer- Incident Safety Officer Written Exam
410	Fire Fighter Fitness and Wellness
479	Fire Fighter I Certification Challenge (NFPA 1001)
139	Fire Fighter I Skills Enhancement
482	Fire Fighter II Certification Challenge (NFPA 1001)
199	Fire Fighter Safety Awareness
202	Fire Fighter Survival
667	Fire Ground Operations
171	Fire Ground Practices Review
460	Fire Ground Support
688	Fire Ground Tactics for Engine and Truck Operations
617	Fire Inspector I (NFPA 1031)
662	Fire Inspector II (NFPA 1031)
433	Fire Inspector III (NFPA 1031)
793	Fire Investigator (NFPA 1033)
943	Fire Operations at Personal Care & Nursing Facilities
216	Fire Photography
594	Fire Photography II
330	Fire Police in Non-Emergency Operations
858	Fire Police Misconceptions
663	Fire Police Refresher
407	Fire Safety for Child Care Facilities
534	Fire Safety Inspections: Community & Domiciliary Names
495	Fire Safety Seminar
656	Fire Service Instructor I (NFPA 1041)
188	Fire Service Instructor II (NFPA 1041)
655	Fire Service Instructor III (NFPA 1041)
130	Fire Service Supervision: Increasing Personal Effectiveness
135	Fire Service Supervision: Increasing Team Effectiveness
673	Fire Streams Refresher
483	Firefighter I Certification Written
480	Firefighter II Certification Written

FSC	TITLE
855	First Responder Media Relations
148	Flammable Gases Review
725	Flammable Liquids Fire Fighting
162	Flammable Liquids Review
507	Foam Firefighting Basic (National Foam)
666	Foam Firefighting Review
508	Foam Firefighting Technician (National Foam)
367	Focused History and Physical Exam, Medical Patients
169	Focused History and Physical Exam, Trauma Patients
700	Forcible Entry
104	Forcible Entry Refresher
892	Forcible Entry Update and Application
297	Forklift Safety Training
535	Garden Style Apartment Firefighting
197	General Pharmacology, EMT-B (4-1)
450	General Requirements for Rescue Technician (NFPA 1006)
147	Ground Ladder Refresher
542	Group Home Fire Safety & Portable Fire Extinguishers
834	Hazard Communications (HAZCOM)
114	Hazardous Materials Awareness - (HMA)
917	Hazardous Materials Awareness Certification Challenge (NFPA 472)
738	Hazardous Materials Awareness Level Annual Refresher Training
722	Hazardous Materials Decontamination Procedures
117	Hazardous Materials Defensive Practices
795	Hazardous Materials Incident Commander (NFPA 472)
472	Hazardous Materials Operations 472
103	Hazardous Materials Operations Challenge (NFPA 472)
737	Hazardous Materials Operations Level Annual Refresher Training
978	Hazardous Materials Operations Level Certification Written Challenge
362	Hazardous Materials Personal Protective Equipment Review
918	Hazardous Materials Response for EMS Personnel
971	Hazardous Materials Safety Officer
648	Hazardous Materials Technician "HAZWOPER"
772	Hazardous Materials Technician Certification (NFPA 472)
485	Hazardous Materials Technician Challenge (NFPA 472)
781	Hazardous Materials Technician Refresher
540	Hazardous Materials Technician Refresher Site Specific
578	Hazardous Materials Technician Site Specific - 24 hrs
141	Health and Safety Officer (HSO)
622	Heavy Truck Rescue
537	High Rise Firefighting

FSC	TITLE
550	High Rise Packs and Stand Pipes
351	Highway Incident Scene Safety and Management
981	Highway Safety Seminar
144	HM126F - Safe Handling of Hazardous Materials (site specific refresher)
884	Hospital Emergency ICS Awareness
885	Hospital Emergency ICS Operations
526	Hotel & Motel Fires
334	Ice Rescue & Emergency Response
447	Ice Rescue Awareness
477	Incident Command System Basic: ICS-200
272	Incident Command System for EMS Personnel (NICS-EMS)
882	Incident Command System Orientation: I-100
511	Incident Command Systems Advanced: ICS-400
509	Incident Command Systems Intermediate: ICS-300
668	Incident Response to Terrorist Bombing - Awareness Level
108	Incident Safety Officer (ISO)
640	Industrial Fire Brigade Basic
644	Industrial Fire Brigade Comprehensive
642	Industrial Fire Brigade Extended
692	Industrial Fire Suppression Refresher
173	Industrial Hazardous Materials Operations Level Refresher
556	Industrial Respiratory Protection
558	Infants and Children EMT-B (6-1)
365	Information Resource and Site Safety Plan
150	Initial Response to HazMat Incidents: Basic Concepts
151	Initial Response to HazMat Incidents: Concept Implementation
490	Injuries to the Head and Spine, EMT-B (5-4)
225	Instructional Techniques for Company Officers-NFA
469	Interior Firefighting: Live Fire Exercises
463	Interior Firefighting: No Live Fire
773	Introduction to Disaster Safety
226	Introduction to Fire Officership
695	Introduction to Rescue Saw Safety
972	Introduction to Ropes, Knots, & Rope Rescue Rigging
119	Introduction to Safety & the Training System
459	Introduction to the Fire Service
137	Introduction to Volunteer Emergency Services Management
567	Introduction to Wildland Urban Interface Firefighting for Structural C.O.
553	Junior Firefighter Basic Training
183	Ladder Company Review
405	Large Diameter Hose

FSC	TITLE
219	Leadership I: Strategies for Company Success
231	Leadership II: Strategies for Personal Success
217	Leadership III: Strategies for Supervisory Success
232	Legal Aspects for the Fire Service
852	Legal Aspects for the First Responder
193	Legal Aspects Seminar
244	Legal Concepts for Fire Police
283	Lifting and Moving EMT-B
504	Liquefied Petroleum Gas and Natural Gas Emergencies
313	Lockout / Tagout Procedures
124	Managing Company Tactical Operation: Tactics
146	Managing Company Tactical Operations Review
122	Managing Company Tactical Operations: Decision Making
121	Managing Company Tactical Operations: Preparation
125	Managing Company Tactical Operations: Simulation
423	Mass Casualty Incident Overview and Practical Training
967	Mass Decontamination Training
950	Mobile Data Terminals
281	Musculoskeletal Care EMT-B
487	National Response Plan: NIMS IS-800
184	National Safety Council Bloodborne Pathogens
301	National Safety Council CPR
629	National Safety Council First Responder
856	Natural Gas / Propane / Carbon Monoxide Seminar
948	NIMS- Emergency Planning & Review
778	NIMS for ICS for the Fire Service
945	NIMS ICS for Emergency Medical Services
881	NIMS IS-700, An Introduction
555	Ob and Gynecology EMT-B (4-9)
762	On-Line Hazardous Materials Awareness
763	On-Line Hazardous Materials Awareness Level Annual Refresher
131	Orientation for Railroad Emergencies
959	OSHA Safety & Regulatory Training
354	Patient Access EMT-B (7-2)
890	Pediatric Education for Pre-hospital Professionals
406	Permit Required Confined Space Entry
565	Personnel Accountability Systems
601	Plans Examiner I (NFPA 1031)
440	Poisoning & Overdose Emergencies, EMT-B (4-6)
588	Positive Pressure Ventilation
488	Pre-Hospital Spinal Immobilization

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832	Pre-Incident Planning
417	Propane Emergencies Awareness
418	Propane Emergencies Operations
419	Propane Emergencies Practical Exercises
167	Propane Emergencies Technician
794	Public Fire and Life Safety Educator I (NFPA 1035)
848	Public Fire and Life Safety Educator II (NFPA 1035)
289	Public Information Officer
241	Public Relations for Fire Police
878	Public Safety Telecommunicator I/II (NFPA 1061)
422	Pump Hydraulics and LDH Review
420	Pump Operations I
421	Pump Operations II
921	Pump Operations Refresher
806	Railcar Emergencies
270	Rapid Intervention Team
770	Rapid Intervention Team Advanced Training
760	Rapid Intervention Team Basic Training
761	Rapid Intervention Team Refresher
669	Rehabilitation for Firefighters working in Emergency Environments
285	Respiratory Emergency EMT-B
307	Respiratory Protection I
311	Respiratory Protection II
865	Responding to PA Turnpike and Interstate Highway Emergencies
291	Roles & Responsibilities within Emergency Management
340	Rope / High Angle Rescue I
339	Rope / High Angle Rescue II
782	Rope / High Angle Rescue III
785	Rope / High Angle Rescue IV
786	Rope / High Angle Rescue V
928	Rope High-line Basics
451	Rope Rescue Technician (NFPA 1006)
346	Ropes and Knots
348	Ropes and Riggings Practical
349	Ropes and Riggings Refresher
853	Rowhome/Townhome Firefighting
625	Rural Fire Ground Water Movement
1007	S.M.A.R.T. Triage
684	S.T.A.R.T. Triage
276	Salvage and Overhaul Refresher

FSC	TITLE
842	SCBA Emergencies & Firefighter Self-Rescue
823	SCBA Refresher
879	SCBA Refresher: Response Team Member
850	Scene Preservation for First Responders
161	Scene Size-up and Initial Assessment
589	Search and Rescue Refresher
619	Silo Emergencies
359	Silo Rescue
624	Site Specific: CPC & Respiratory Protection
284	Soft Tissue Injuries EMT-B
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105	Spill and Leak Control Refresher
538	Sprinklers and Stand Pipes
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175	Strategy and Tactics
975	Strategy and Tactics for Initial Company Operations
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756	Structural Collapse Operations: Problem Solving
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325	Structural Fire Rescue
312	Structural Suppression Refresher
415	Tanker Water Supply
566	Tanker Water Supply Refresher
577	Technical Rescue Awareness
697	Technical Rescue Refresher
533	Technology to Improve Fire Ground Effectiveness
751	Terrorism Awareness Domestic Preparedness
752	Terrorism Operations Domestic Preparedness
949	Test Taking 101
843	Thermal Imaging Camera Operations

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603	Thermal Imaging for the Fire Service
101	Trench Rescue Awareness
323	Trench Rescue Operations I
322	Trench Rescue Operations II
457	Trench Rescue Technician (NFPA 1006)
837	Truck Company Operations at High Rise Fires
209	Truck Company Operations I
208	Truck Company Operations II
192	Under Pressure: Decision/Problem Solving
452	Vehicle and Machinery Rescue Technician (NFPA 1006)
308	Vehicle Fires and Other Emergencies
152	Vehicle Fires Practical
156	Vehicle Rescue Refresher
327	Vehicle Rescue Refresher and Technology Update
862	Vehicle Rescue Safety Update
464	Vehicle Rescue: Problem Solving
442	Ventilation Practical Refresher
310	Ventilation Practices
212	Volunteer Fire Service Management-NFA
215	Volunteer Retention and Recruitment: Problems and Solutions
831	Water Application Seminar
580	Water Rescue for the 1st Responder
456	Water Rescue: Advanced Line Systems Rescue
455	Water Rescue: Emergency Boat Operations & Rescue
446	Water Rescue: Emergency Response
690	Water Supply & Pump Connections
661	Wilderness & Rescue Awareness Response
920	Wilderness EMT
593	Wilderness Rescue
818	Wilderness Search and Rescue- Advanced Grid Team
817	Wilderness Search and Rescue- Basic Grid Team
816	Wilderness Search and Rescue- Search Management
815	Wilderness Search and Rescue- Search Responder

Important Notes

- Note 1:** All courses require students to have at least a pen/pencil and notebook. Other student needs are listed for each course. **TOG:** Turn out gear (preferably meeting NFPA standards) consisting of helmet, ear/neck protection, eye protection, protective coat & pants, fire service boots, gloves, and (preferably) PASS device. Students should also wear long sleeve shirts and trousers under the turn out gear. **WC:** Sturdy work clothing (appropriate for weather conditions) consisting of trousers and long sleeve shirt or coveralls, hard hat, eye protection, work gloves, and hard-toe shoes / boots. **SCBA:** Positive-pressure self contained breathing apparatus meeting NFPA standards. Candidate wearing the SCBA must also complete with facial hair policy. **EP:** Eye protection such as safety glasses or goggles
- Note 2:** Prerequisites where required are progressive; that is, if EBM is listed as a prerequisite, it is assumed that the student also has had IST. If AFF is required, it is assumed that the student has also had **both** IST and EBM. This holds true for 99% of the cases; on some, both are listed.
- Note 3:** Certification as a D.O.H. Basic Rescue Technician will be acceptable substitute for the following courses in meeting prerequisites for the following courses: FRES, REPR, REPX, RORE, & RORX.
- Note 4:** Certification as a D.O.H. Vehicle Rescue Technician or D.O.H. Basic Rescue Technician will be acceptable substitute for IST in meeting prerequisites for other courses.
- Note 5:** EBM or ELIS or Bucks Basic Fire Academy may be accepted as meeting the prerequisite in place of IST.
- Note 6:** The following policy will govern the acceptance of "equivalencies" for the purpose of course prerequisite satisfaction only. This equivalency program will remain in effect until further notice.
- a. IST equivalencies - ZSFB, ZARFF, ZCIF, FFF, EBM, FSCO, FHSP, DHBR, DHVR, ELIS any previous state local level certified "safety & survival" course; either "metro"(Phila./Pgh.) recruit fire fighter program, HACC "Fire Academy" program.
 - b. EBM equivalencies - ZSFB, FFF, ELIF, Bucks Basic Fire Academy, "metro" recruit fire fighter program, HACC "Fire Academy" program.
 - c. AFF Equivalencies - ZSFA, either "metro" recruit fire fighter program, HACC "Fire Academy" program.
 - d. IAFF, HISI equivalencies - ZCHM, ZEPM, ZEPT, ZFLB, HMIA, HMPC, UPRR, EPA TAT First Responder course, HazMat Ops 472, HACC "Fire Academy" program, or Hazardous Materials Operations Level Professional Certification.
 - e. All other specialty courses (such as TRCO, ECOP, RIPO, etc.) - Acceptance of similarly named and similar length courses previously certified as part of the Academy Resident or Local Level Training Program.
- Note 7:** Where ADFR is required as a prerequisite, the predecessor course FAD will be accepted.

Frequently Asked Questions

1. I lost my certificate. Can you send me a copy?

No, we do not have copies. We can send you a transcript showing the classes you have taken through the Bucks County Community College. You must complete a transcript request form.

Exception: If you have lost an IFSAC or ProBoard certificate issued by the Bucks County Community College, these can be replaced, however there is a replacement fee of \$15.00 per certificate. Please call the Certification Officer at 215.340.8412 or send email to hatrakm@bucks.edu for more information.

2. How do I sign up for a class?

You should contact the host department listed on the web site to ensure they are aware that you or your station are sending personnel since they are obligated to notify the instructor 10 days out from a class whether they will hold the class or cancel dependant on the student numbers they have signed up. Contact information for the departments may be obtained for posted classes by contacting the appropriate field representative.

3. How do I host a course?

Our course application is online under the Forms and Documents section of our website. Just fill out the application and send it via mail to Bucks County Community College, Department of Public Safety Training and Certification, 1760 South Easton Rd., Doylestown, PA 18901 and give us 8 weeks lead time to arrange for an instructor to contact your department concerning resource acquisition. Realize though on some specialty classes it would be more efficient for both your department and us to contact one of our field representative, depending on where you are located to have an instructor contact you to select the dates which meet both your departments schedule and theirs before submitting an application. Please note that the tuition free education status is also based on the fact that the local sponsoring department is responsible to supply the appropriate facility and equipment resources necessary to conduct the program to and including expendable items.

NOTE: This process is for PA Municipal Fire and Emergency Services. All other groups must contact either their Field Director or the Director of Certification & Curriculum.

4. How do I get into a class hosted by another fire department?

If you find a course that you would like get into please contact the Department of Public Safety Training and Certification with the course name, location, start date, and FSC# if possible and our staff will assist you.

5. How much do courses cost?

For Education Courses hosted at a sponsoring agency, at this time as long as you have 15 or more students attend the class it is tuition free. If you have less then there is a Local Level Service Agreement form which is located on our website on the [Forms and Documents](#) page in the [Student and Sponsor Agency Forms & Documents](#) Section. The form outlines the requirements and shall be completed by the sponsoring agency.

Accredited Professional Certification (IFSAC or ProBoard) courses do have cost involved as well as facility fees and other specialized course may have fees that apply.

6. How do I pay my course fees?

Payment by Check:

If paying by check please write the check out to 'Bucks County Community College' or 'BCCC'. Make sure the student account (student id #) and Student name is listed in the memo portion of the check. Mail check to Bucks County Community College Department of Public Safety Training and Certification, 1760 South Easton Road, Doylestown, PA 18901.

Payment by Credit Card:

If paying by credit card we accept Visa and MasterCard. Please fill out the credit card authorization form is located on our website on the [Forms and Documents page in the Student and Sponsor Agency Forms & Documents](#) Section you will find the Credit Card Authorization Form. Print out the form and completely fill it out and sign it. Mail the form to Bucks County Community College Department of Public Safety Training and Certification, 1760 South Easton Road, Doylestown, PA 18901.

Company Sponsorship:

If setting up company sponsorship for students please contact Danielle Stebner at 215-497-8715 or via email at stebnerd@bucks.edu. Please have the students name and account number (student id #) along with the class information available. If you do not have the student account number (student id #) please have the students address and birth date for verification purposes.

Additional Billing Questions:

If you have any billing questions feel free to contact Danielle Stebner at 215-497-8715 or via email at stebnerd@bucks.edu. Also, we do not automatically generate receipts. If you need a receipt for payment please note that when you send in payment.

7. How do I get to your training facility?

Directions are available on the [Directions & Lodging](#) page.

8. Does your facility provide overnight accommodations?

No. There are no on-site overnight accommodations. Lodging is available within a short driving distance. See the [Directions & Lodging](#) page for more information.

9. How do I cancel my registration in a class?

In order to cancel a class registration, the student or supervisor (chief or training officer) must fill out a cancellation form. The form is located on our website on the [Forms and Documents](#) page in the [Student and Sponsor Agency Forms & Documents](#) Section you will find the Cancellation/No Show Form. The form must be completely filled out, signed and faxed or mailed to us within 72 hours before the class is to begin. If no form is received, or is received after the 72 hour period, a charge will be made for the missed class. Special circumstances will be reviewed on a case to case basis.

A confirmation number will be assigned if the student is excused. It is the responsibility of the student to call to ask for that number, after the form has been sent.

Note: A phone call without a follow-up cancellation form is *not* an excused absence.

10. What type of certifications do you provide for your classes?

For most classes you will receive a Bucks County Community College certificate upon successful completion of the course. You will receive the certificate in class or it will be mailed to you.

If you take an Accredited Professional Certification (IFSAC or ProBoard) exam (written and/or practical skills) and pass, you will receive an Accredited Professional Certification certificate carrying a numbered ProBoard seal which either are attesting to your certification.

11. When will I receive my certificate?

Course paperwork is processed upon receipt in the order received from the instructors. The traditional time frame for certificates to be mailed is between 6 to 8 weeks dependent upon the amount of class paperwork received which can push the date sooner or in some cases of heavy course volumes later. Certificates are mailed to the students directly and the individual student must ensure they turn over the required copy or original of the document to their respective departments upon receiving them.

12. What is this IFSAC and ProBoard certification all about anyway?

The [International Fire Service Accreditation Congress \(IFSAC\)](#) and [National Professional Qualifications Board \(ProBoard\)](#) are independent organizations that examine and accredit training and testing agencies. What this means is that an outside, independent source has examined our tests and testing processes and determined that our test can accurately examine candidates on each aspect of a standard, such as NFPA 1001. Your successful completion of the certification exam means that you will receive a certificate and be registered with IFSAC and/or ProBoard as having demonstrated your competency in that discipline.

13. What Accredited Professional Certification (IFSAC and/or ProBoard) do you offer?

Each certification level we currently offer is listed on this website. [Click here to see the list.](#)

14. Can I receive an IFSAC and/or ProBoard certification without taking a test?

The only way is if you hold an NPQS (ProBoard) or IFSAC certification in the same discipline, at the same level and the current certification edition. The reciprocity application form is located on our website on the [Forms and Documents](#) on our website.

15. What are the prerequisites for the Accredited Professional Certifications (IFSAC and/or ProBoard) you offer?

Each certification level we currently offer is listed and all have specific prerequisites. [Click here to see the list and prerequisites.](#)

16. I am a Veteran. Can I use the G.I. Bill or VA Benefits for classes?

Please contact [Lizanne Watts](#) (215) 968-8490 in the Admissions Office for details and assistance. When contacting Lizanne make sure you tell her you are looking at course through the Public Safety Training Center so they do not confuse you with a student pursuing a Degree Program.

Abbreviation Key
Course Descriptions

Example:

(1) NIMS, Introduction to IS-700 - (2) NFA – (3) NIMS (4) FSC 881

(5) 4 Hours (6) Lecture-4.0hrs / Lab-.0.hrs (7) Gear: NONE

Prerequisites: (8) NONE

**(9) This course builds on the knowledge.....
(General Course Description)**

(10) NOTES:

- (1). Course Title
- (2). Indicates that the course was developed by the National Fire Academy
- (3). Pennsylvania State Fire Academy Course Code
- (4). BCCC Course Number
- (5). Total Hours of Course
- (6). First Number: Lecture Hours / Second Number: Lab Hours - (Hands-on)
- (7). Gear = Indicates equipment student will need for class.
- (8). Prerequisites - Using Pennsylvania State Fire Academy Course Codes
- (9). Course Description
- (10). Special Notes can be found at the bottom of the description

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Apparatus Programs

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Apparatus Programs

Aerial Apparatus Practices (AELA)

FSC 315

16 Hours Lecture-6.0hrs / Lab-10.0hrs Gear: TOG
Prerequisites: IST

Students attending this course will, through classroom work and hands-on practice of basic skills, be introduced to the operational theory of aerials, aerial towers, and elevating platforms. Basic system design, safety, spotting/stabilization, operation, and elevated master stream operations are all covered.

Aerial Apparatus Practices Extended (AELX)

FSC 317

24 Hours Lecture-8.0hrs / Lab-16.0hrs Gear: TOG
Prerequisites: IST

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 streams, and rescue. An introduction to basic truck company operations is also included.

Apparatus Preventative Maintenance

FSC 505

16 Hours Lecture-8.0hrs / Lab-8.0hrs Gear: None
Prerequisites: IST, EMVO or EVOC, Basic knowledge of fire apparatus construction and operation and auxiliary vehicles

Through lecture and practical exercises, this course will provide insight into the need for an apparatus preventative maintenance program from an operational, financial, and legal perspective. The course contains a review of recommended maintenance practices for both chassis components and all fire service related components such as pumps, aerials and hydraulic - powered equipment. A proper visual inspection of chassis and related components of vehicles will be demonstrated and practiced.

Dynamics of Emergency Vehicle Response (EVRD)

FSC 186

4 Hours Lecture-4.0hrs / Lab-0.0hrs Gear: None
Prerequisites: EVOC

This course is designed as a supplement to the *Emergency Vehicle Operators Course (EVOC)*. This course reviews some basic philosophies of safe vehicle response and operation and introduces the concept of space and speed management in the operation of any vehicle.

Apparatus Programs

Emergency Vehicle Driver Training (EVOC)

FSC 235

16 Hours Lecture-8.0hrs / Lab-8.0hrs Gear: Apparatus
Prerequisites: Age 18 and up

This course is suitable for both novice and veteran emergency vehicle operators. This course provides instruction for emergency personnel who may be involved in operating emergency vehicles. Topics included: defensive driving, emergency response, vehicle maintenance, and a driver training obstacle course.

******* Students must arrange to bring "apparatus" (not personal vehicle) to class *******

Emergency Vehicle Operations Refresher

FSC 170

8 Hours Lecture-4.0hrs / Lab-4.0hrs Gear: Apparatus
Prerequisites: Age 18 and up & EVOC

This course is designed as a supplement to and refresher for the EVOC course. This program will review due regard procedures, vehicle dynamics, and defensive driving practices. It reviews some basic principles of safe vehicle operation and introduces the concept of space and speed management in operation of any vehicle. In addition, the student is required to successfully pass the driving course.

******* Students must arrange to bring "apparatus" (not personal vehicle) to class *******

Large Diameter Hose (LDHO)

FSC 405

16 Hours Lecture-8.0hrs / Lab-8.0hrs Gear: TOG
Prerequisites: IST

Participants in this program will be introduced to the concepts and advantages of large diameter hose for the fire service. Through classroom and outside exercises the student will learn the safe and proper methods for using large diameter hose.

Pump Hydraulics and Large Diameter Hose Review

FSC 422

3 Hours Lecture-1.0hrs / Lab-2.0hrs Gear: TOG
Prerequisites: None

This course will review with the student the methods for the development of fire ground hydraulics and the use of Large Diameter Hose (LDH) supply lines. Also covered are the proper pump pressure for handlines, master streams, and water supply lines.

Apparatus Programs

Pump Operation I (PUOP)

FSC 420

16 Hours Lecture-10.0hrs / Lab-6.0hrs Gear: TOG
Prerequisites: 18 years of age, IST

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.

Pump Operation II (PUOA)

FSC 421

16 Hours Lecture-8.0hrs / Lab-8.0hrs Gear: TOG
Prerequisites: PUOP

This course is designed to instruct the student in advanced techniques of operating fire pumps. Topics covered include friction loss, relay pumping, master streams, and elevated master streams.

Pump Operation Refresher

FSC 921

8 Hours Lecture-2.0hrs / Lab-6.0hrs Gear: TOG
Prerequisites: PUOP

This program is designed as a refresher program for pump operations. A review of subjects such as water movement hydraulics theory, basic pump components, and field exercises dealing with single and multiple hose lines in both attack and supply mode operating from static and positive water supply sources.

Rural Fire Ground Water Movement (RFWM)

FSC 625

16 Hours Lecture-6.0hrs / Lab-10.0hrs Gear: TOG
Prerequisites: IST

This course instructs the student in the basic methods of water movement in the rural area for fire fighting. Tank trucks and large diameter hose are utilized. Safe, efficient and recommended methods are discussed, demonstrated, and practiced.

Apparatus Programs

Tanker Water Supply (TAWS)

FSC 415

16 Hours Lecture-12.0hrs / Lab-4.0hrs Gear: TOG
Prerequisites: IST

This course will provide instruction for supplying the fire ground with water from tank trucks as the main source of water. Topics covered include tanker construction, water supply sources and set up, water flow requirements, tanker shuttle systems, and safe and efficient operations.

Tanker Water Supply Refresher

FSC 566

6 Hours Lecture-4.0hrs / Lab-2.0hrs Gear: TOG
Prerequisites: TAWS

This course outlines fireground water supply from tank trucks and/or tankers. Subjects include tank truck construction, water flow requirements, water supply set-up, and drop tank shuttle systems.

Water Supply and Pump Connections

FSC 690

3 Hours Lecture-1.5hrs / Lab-1.5hrs Gear: TOG
Prerequisites: None

This 3-hour course reviews the types of water supplies and how to maintain them. Topics covered include positive & negative water supplies and effective techniques for establishing water supplies.

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Command / Instructor / Management Programs

Aircraft Emergency Awareness

FSC 571

3 Hours Lecture-3.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This course is intended to provide the student with the basic knowledge and skills to identify and control hazards associated with aircraft incidents.

Arson Awareness for Emergency Response Personnel (AAEP) - NFA

FSC 735

4 Hours Lecture-4.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This course is appropriate for all emergency responders (fire, fire police, police, and EMS) who might arrive first on the scene of a fire. It consists of material extracted from the longer NFA course *Arson Detection for the First Responder*, and is designed to give essential basic information to responders whose duties do not require the longer NFA course, or whose time schedule will not permit attending the longer course at this time. It will prepare these responders to make observations and take actions that will help fire investigators determine cause and origin of fires and, where applicable, investigate and successfully prosecute cases of arson.

Arson Detection for the First Responder (ADFR) - NFA

FSC 734

16 Hours Lecture-16.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

Upon successful completion the student will be able to provide a clear definition of the role of initial responder organizations and to provide essential knowledge to enable them to recognize the potential of an intentionally set fire, preserve evidence, and properly report the information to appropriate officials.

Automatic Detection and Suppression Systems (AUTO)

FSC 525

8 Hours Lecture-8.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This course will provide the student with information on the use and importance of automatic detection systems used in conjunction with automatic suppression systems. Suppression systems discussed include: dry chemical, halon, carbon dioxide and foam.

Command / Instructor / Management Programs

Building Construction Principles: Fire Resistive and Non-Combustible (BCN) - NFA

FSC 707

16 Hours Lecture-16.0hrs / Lab-0.0hrs Gear: None
Prerequisites: IST

The failure of a building or building components under fire conditions is a leading cause of fire fighter death and injury. The ability to recognize and locate relevant information about a building before a fire and to "read" a building during a fire are essential survival skills. This course gives the student the ability to accomplish these tasks when confronted with a building of fire-resistive or non-combustible construction. The unique problems of conducting emergency operations in buildings under construction are also addressed.

Building Construction Principles: Wood and Ordinary Construction (BCP) - NFA

FSC 780

16 Hours Lecture-16.0hrs / Lab-0.0hrs Gear: None
Prerequisites: IST

The failure of a building or building components under fire conditions is a leading cause of fire fighter death and injury. The ability to recognize and locate relevant information about a building before a fire and to "read" a building during a fire are essential survival skills. This course prepares the student to accomplish these skills in buildings of wood frame or ordinary construction.

Building Construction Refresher

FSC 153

3 Hours Lecture-3.0hrs / Lab-0.0hrs Gear: None
Prerequisites: BCP or BCN

This course reviews building design and construction encountered by firefighters and officers. In addition, this course covers numerous fire attack safety concerns regarded as priority conditions during suppression efforts. This material is critical to effective fire ground decisions.

Command / Instructor / Management Programs

Carbon Monoxide (CO) Awareness

FSC 1008

1 Hours Lecture-1.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This course is designed to familiarize the student with a conceptual understanding of the technology, the purpose and operation of residential CO detector, information regarding outside agency assistance. The course is a 1 hour lecture program designed to give the student the information needed to effectively and safely respond to incidents involving the known or suspected presence of carbon monoxide; particularly the activation of residential carbon monoxide alarms.

Communication Overview for First Responders

FSC 851

3 Hours Lecture-3.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This program is designed to enhance the student's understanding of an emergency service communication system. Communication protocol is identified and discussed during this program. This program provides the student with the necessary information to increase their ability to maintain a safe on-scene work environment and to establish a professional presence. This program places emphasis upon the development and use of a comprehensive communication operating procedure.

Conducting Basic Fire Prevention Inspection (CBPI) - NFA

FSC 115

16 Hours Lecture-16.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This course is an introduction to the technique of conducting fundamental fire safety inspections. Students are instructed how to conduct such an inspection, and what to look for in terms of hazards.

Convenience Store and Fast Food Restaurant Fires

FSC 926

4 Hours Lecture-4.0hrs / Lab-0.0hrs Gear: None
Prerequisites: EBM or FF-1 or equivalent

This course is designed to provide firefighters with the knowledge of the hazards associated with convenience stores and fast food restaurants. It will identify what fireground strategy and tactics should be employed with these types of occupancies. Topics such as safety, preplanning, building construction, unique hazards, and fire operations will be discussed in this course.

Command / Instructor / Management Programs

Courtroom Preparation for First Responders

FSC 791

16 Hours Lecture-16.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This program is an awareness level training program identifying the legal responsibilities of the first responder, as well as, the possible situations and circumstances that surround public safety services. This program will provide the student with an overview of the laws and standards as they apply to emergency service providers. Discussions will relate to specific laws and standards that relate to organizational operation and administration. This program places emphasis upon the development of knowledge, communication skills, documentation, report writing, organization and preparatory skills and techniques used by emergency service personnel to achieve an efficient documentation system, departmental operating guidelines, and professional handling of legally sensitive incidents.

Damage Reporting and Assessment

FSC 798

3 Hours Lecture-3.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This program is designed for those emergency responders, municipal officials, and emergency management personnel who need to provide documentation of damage that could potentially affect a community or infrastructure due to a natural or technological disaster. Various subjects such as types of damage, types of disaster declaration, how to form a damage assessment team, and how to document the damage will be covered.

Decontamination: Strategy & Tactics

FSC 759

16 Hours Lecture-14.0hrs / Lab-2.0hrs Gear: TOG
Prerequisites: HazMat Operations

Through classroom sessions and practical fieldwork, this course will reinforce with the student knowledge and skill objectives in order to function safely and effectively in an area exposed to hazardous materials, at an operational level, for the purpose of rescuer/patient decontamination. This course addresses decontamination procedures as identified in NFPA 472. Subjects to be covered include site safety management, personal techniques used for the avoidance of cross contamination, decontamination strategies and procedures, decon sector management, and lesson application through integrated field exercises.

Command / Instructor / Management Programs

Duties and Responsibilities of the Emergency Management Coordinator Seminar

FSC 854

3 Hours Lecture-3.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This program is designed to enhance the student's understanding of the Emergency Management System. This resource covers the duties and responsibilities of the Emergency Management Coordinator, the legal obligations of local government and municipal officials, as they relate to emergency management law, procedures, and operations.

Educational Methodology for Local Level Instructors (EMLL)

FSC 250

48 Hours Lecture-40.0hrs / Lab-8.0hrs Gear: None
Prerequisites: Contact your Regional Field Director

This course will provide instruction in adult learning, teaching techniques, preparation of instruction objectives, and formation of lesson plans to meet those objectives. Various formats of audio-visuals will be demonstrated. Each student will prepare and deliver at least three micro teaching sessions on a fire related topic. Successful completion of this course is necessary to become an instructor without prior teaching experience.

Electrical Emergencies (ELFS)

FSC 740

3 Hours Lecture-3.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This course provides a slide presentation of electrical hazards, distribution systems, power plants and related electrical equipment. Also included is a review of fire fighting practices around energized equipment, as well as safety issues for dealing with electricity.

Electrical Fire Investigation

FSC 777

8 Hours Lecture-8.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This course is designed for fire investigators to assist with the determination of fire causes involving electricity. Topics to include causation, systems, appliances and methods.

Command / Instructor / Management Programs

Emergency Preparedness for Severe Weather

FSC 859

3 Hours Lecture-3.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This program is designed to enhance the student's understanding of weather related emergencies and to enhance her/her preparatory and planning skills for such events. This course covers the difference between weather watch and weather warning. Identification of the various warning systems for Pennsylvania will be covered as well. In addition, case studies of major storms/weather events and associated hazards will be covered.

Fire and Arson Investigation: Electrical I Overview (AREO)

FSC 748

16 Hours Lecture-14.0hrs / Lab-2.0hrs Gear: None
Prerequisites: ARIN

This course provides the student with minimal basic electrical knowledge as well as an overview of electricity and its role in the ability to cause fire. The student will participate in class projects and will interact with other students in solving some case histories.

Fire Arson Investigation (ARIN)

FSC 733

16 Hours Lecture-14.0hrs / Lab-2.0hrs Gear: TOG
Prerequisites: ADFR

This course will teach fire personnel to read patterns, cause, and origin, using actual burn sites. Identification will be practiced on different fire causes in buildings and in vehicles. Excellent for experienced fire officers and investigators.

Fire Attack in Sprinklered Properties (FMSP)

FSC 531

6 Hours Lecture-6.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This course provides instruction in the basic types of sprinkler systems, major components and operation of each type of system. Specific fire department functions to assist a sprinkler system will be discussed. Also included is a discussion of special situations and considerations that must be made when operating at Sprinklered properties.

Command / Instructor / Management Programs

Fire Department Risk Management

FSC 984

8 Hours Lecture-8.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This program is designed for the new Fire Officer, to provide an overview of the risk management process, with a focus on developing controls that meet the need of the individual department.

Fire Fighter Fitness and Wellness

FSC 410

16 Hours Lecture-11.0hrs / Lab-5.0hrs Gear: Sneakers, Exercise clothing
Prerequisites: None

Designed for those new to the concept of fitness and exercise components as well as members who are in good physical condition. This course will deal with the concepts of diet and exercise contributing to the overall fitness of an individual. It will spotlight the advantages of performance on an emergency situation as well as in the member's life away from emergency services.

Fire Fighter Safety Awareness

FSC 199

3 Hours Lecture-3.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This program introduces fire fighters to safety concerns addressed in NFPA1500. The course covers all aspects of fire fighter safety, from the fire house to the fire ground. Additionally, the need for fire fighter wellness programs, both physical and mental, is covered.

Fire Photography I

FSC 216

16 Hours Lecture-15.0hrs / Lab-1.0hrs Gear: Helmet, work boots and clothing.
Prerequisites: None

Students in this course will become acquainted with the basic knowledge of photography. Included will be a review of various types of cameras available, how they differ, and how each can be adapted for fire photography. Students will learn how these cameras operate, the types of film used for different applications, lenses, flash units, exposure control, camera care, film processing, use of a VCR at a fire scene, fire scene procedures, and the personal safety of the photographer.

** Student will need Camera with flash (35mm or digital), film or memory card (2 rolls of film) **

Command / Instructor / Management Programs

Fire Photography II

FSC 594

22 Hours Lecture-12.0hrs / Lab-10.0hrs Gear: Helmet, work boots and clothing.
Prerequisites: Fire Photography I

Students in the course will be challenged to photograph different types of emergency services scenarios, both operational and administrative. The emphasis will be on composition and technical issues, including night scene photography, portraiture, public relations and fire prevention events, and investigative photography. Successful completion of the course will require each student to construct and display a presentation or portfolio of work supporting the fire service.

** Student will need Camera with flash (35mm or digital), film or memory card (5 rolls of film) **

Fire Safety Inspections: Community and Domiciliary Names

FSC 534

3 Hours Lecture-3.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This course is designed to address the inspection procedures and considerations related to community and domiciliary homes. Topics included in this course are state and local requirements, pre-inspection procedures, site evaluation and inspection, post-inspection reviews, and corrective action implementation. Students will review inspection forms, inspection equipment, and manuals that may be used during the inspection process.

First Responder Media Relations

FSC 855

4 Hours Lecture-4.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This program is designed to enhance the student's understanding of the importance of positive relationships with the media. Procedures and policies regarding the dissemination of information to the general public and mass media groups are discussed and evaluated. This program provides the student with the necessary insight on the management of vital information as it develops. Emphasis is placed on developing a comprehensive infrastructure for the transfer of information during an emergency.

Command / Instructor / Management Programs

Garden Style Apartment Firefighting (GAAP)

FSC 535

16 Hours Lecture-16.0hrs / Lab-0.0hrs Gear: None
Prerequisites: EBM or FF-1 or equivalent, ECOP, TRCO, ICS

This course covers garden apartment construction and the problems that this construction style presents to firefighters. Fire development and fire spread considerations are discussed in this course. In addition, pre-planning and resource management considerations are reviewed and evaluated.

Health and Safety Officer (HSO) - NFA

FSC 141

20 Hours Lecture-20.0hrs / Lab-0.0hrs Gear: None
Prerequisites: 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.

Highway Incident Scene Safety and Management (HSTC)

FSC 351

16 Hours Lecture-14.0hrs / Lab-2.0hrs Gear: None
Prerequisites: None

Students completing this course will be able to enhance responder and public safety at motor vehicle accidents and other highway incidents by implementing responder safe work practices and establishing emergency operations work zones that allow for restricted traffic movement options (versus full road closure) to be implemented wherever possible.

Highway Safety Seminar

FSC 981

3 Hours Lecture-3.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This program addresses the several safety and logistical issues commonly associated with emergencies occurring on major highways. The course will cover topics such as: hazard analysis, work zone security, safe work practices, environmental awareness, and command and control techniques for high-risk work areas. This course examines a real life incident, as well as, the lessons learned.

Command / Instructor / Management Programs

Command / Instructor /
Management

Hotel and Motel Fires

FSC 526

3 Hours Lecture-3.0hrs / Lab-0.0hrs Gear: None
Prerequisites: EBM or FF-1 or equivalent

This program is intended to help fire officers and firefighters understand the complex nature of fires in hotels and motels. Common building layouts and fire problems will be discussed. Effective strategies and tactics will be developed through the use of visual aids.

ICS-100.A: Introduction to the Incident Command System (ICS-100)

FSC 882

9 Hours Lecture-9.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

ICS orientation is intended for personnel assigned to an incident or event who have a minimum requirement for understanding ICS. This module reviews the ICS organization, basic terminology, and common responsibilities. It will provide enough information about the Incident Command System to enable you to work in a support role at an incident or to support an incident from an off-site location.

ICS-200.A: Incident Command System for Single Resources and Initial Action Incidents (ICS-200)

FSC 477

12 Hours Lecture-7.5hrs / Lab-4.5hrs Gear: None
Prerequisites: ICS-100

This course is designed to enable personnel to operate efficiently during an incident or event within the Incident Command System (ICS). This program is designed for personnel who are likely to assume a supervisory position with the ICS. Topics include: Leadership and Management; Delegation of Authority and Management by Objectives; Functional Areas; Briefings; Organizational Flexibility; Transfer of Command; and Resource availability.

Command / Instructor / Management Programs

ICS-300: Incident Command System for Expanding Incidents and Supervisors (ICS-300) FSC 509

24 Hours Lecture-11.0hrs / Lab-13.0hrs Gear: None
Prerequisites: ICS-200.A or NIMS for the Fire Service or NFA ICS and NIMS 700 or NIMS for EMS or ICS for EMT and NIMS 700

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 Type 3 incidents, define a Type 3 incident, 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.

ICS-400: Incident Command System for Command and General Staff and Complex Incident (ICS-400) FSC 511

16 Hours Lecture-7.5hrs / Lab-8.5hrs Gear: None
Prerequisites: ICS-300

This course is designed to provide overall incident management skills rather than tactical expertise. This course will discuss how major incidents pose special management challenges. It will explore the circumstances in which an Area Command is established and describes the circumstances in which multi-agency coordination systems are established. This course is designed for senior personnel who are expected to perform in a management capacity in an Area Command or multi-agency coordination system.

Incident Command System for EMS Personnel (ICS/EMS) - NFA FSC 272

16 Hours Lecture-16.0hrs / Lab-0.0hrs Gear: None
Prerequisites: Completion of NFA Student Study Guide Recommended

This course provides instruction in the command skills necessary to effectively use, deploy, and implement an Incident Management System at the scene of medical emergency or Mass Casualty Incident. The course includes guidelines and scenario practice applying ICS for EMS personnel. Resource information for setting up a department ICS is also provided.

Command / Instructor / Management Programs

Incident Safety Officer (ISO) - NFA

FSC 108

16 Hours Lecture-16.0hrs / Lab-0.0hrs Gear: None
Prerequisites: 18 years of age, ICS and HazMat Operations or equivalent

This course focuses on the duties of the person who finds him/her self in the role of the responding safety officer at the scene of an incident. It is an incident-specific, scene-oriented course designed to teach what a safety officer on the scene needs to know and be able to do, using scenario to convey instructional points. Students should be experienced company officers, familiar with safety issues, the Incident Command System, hazardous materials management, and applicable NFPA standards and federal regulations.

Information Resource and Site Safety Plan

FSC 365

3 Hours Lecture-3.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

Through classroom sessions and group activities, this course reinforces the importance of sound research procedures and documentation. In addition, the course provides the student with the knowledge and skills to develop a comprehensive site-safety plan to be used during responses. This course is intended for the technician level responder to give them the ability to function safely and effectively during a hazardous materials incident. Topics include: resource materials, data interpretation, resource verification, communications model, site-safety plan development and plan monitoring and review.

Instructional Techniques for Company Officer (ITCO) - NFA

FSC 225

16 Hours Lecture-12.0hrs / Lab-4.0hrs Gear: None
Prerequisites: None

Every fire officer is, or should be a trainer. Being an officer, especially at the company level, always involves the act of training ones' subordinates at one time or another. This course will give the officer or officer candidate the basic knowledge of adult educational principles needed to perform this important task at the level.

Command / Instructor / Management Programs

Introduction to Disaster Safety

FSC 773

3 Hours Lecture-3.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

The purpose of this video based course is to provide fundamental information about disasters, the community response, and the role of the American Red Cross Disaster Services.

Introduction to Fire Officership (INFO)

FSC 226

16 Hours Lecture-14.0hrs / Lab-2.0hrs Gear: None
Prerequisites: EBM or FF-1 or equivalent

Fire Officers will give the student a basic overview of fire ground officer responsibilities, personnel issues, fire ground operations, and the development of a sound and effective administrative and fire ground organizational structure.

Introduction to Safety and the Training System (IST)

FSC 119

6.5 Hours Lecture-6.5hrs / Lab-0.0hrs Gear: None
Prerequisites: None

Students in this course will become acquainted with the basic structure of Pennsylvania's fire training system. They will also be introduced to information which will help them protect their health and safety during their fire service career.

Introduction to Volunteer Emergency Services Management (IVEMS) - NFA

FSC 137

16 Hours Lecture-14.0hrs / Lab-2.0hrs Gear: None
Prerequisites: None

Command / Instructor / Management Programs

This course is designed for those individuals whose responsibility is to manage any of the facets of a volunteer emergency service organization. Administrative officers such as president, secretary, treasurer and committee chairpersons, as well as line and staff officers will benefit from this course. New administrative and line officers with less than one year of experience will derive the most from this program. Seasoned organizational officers will hone their knowledge and basic skills as a manager. IVEMS demonstrates the basic management techniques needed to effectively administer a volunteer emergency service organization. The participants will learn and apply the basic principles of communication, motivation, problem solving, decision making, and the management process to accomplish their organization's mission and goals.

Introduction to Wildland Urban Interface Firefighting for Structural Company Officers (IWFSCO) FSC 567

16 Hours Lecture-12.0hrs / Lab-4.0hrs Gear: None

Prerequisites: ICS Recommended

This course developed by the National Fire Academy (NFA) and the National Wildfire Coordinating Group (NWCG) will provide a basic understanding of the Wildland and Wildland/Urban Interface firefighting issues that Structural Company Officers will need to deal with when assigned to a wildfire incident. Specific actions and decision making guidance in order for the Structural Company Officer to safeguard their personnel and equipment will be taught in this course.

Leadership I: Strategies for Company Success (LSI) - NFA FSC 219

16 Hours Lecture-12.0hrs / Lab-4.0hrs Gear: None

Prerequisites: None

Running an effective fire service organization, whether career, combination, or volunteer, requires leaders. Many line and administrative officers are very competent in technical areas, but need training and skill practice in key managerial strategies to reach their full potential in leading their organization. This course is targeted to officers who must make decisions, solve problems, or conduct meetings as part of his/her duties.

Leadership II: Strategies for Personal Success (LSII) - NFA FSC 231

16 Hours Lecture-12.0hrs / Lab-4.0hrs Gear: None

Prerequisites: LSI

Command / Instructor / Management Programs

Running an effective fire service organization, whether career, combination or volunteer, requires leaders. Many line and administrative officers are very competent in technical areas, but need training and skill practice in key managerial strategies to reach their full potential in leading their organization. This course is targeted to company level junior line officers (lieutenant, captain, etc.) who wish to improve basic leadership skills in such areas as managing multiple roles, creativity, establishment of a "personal power base", and ethics. The course may also be applicable to those administrative officers of volunteer organizations (president, secretary, treasurer, etc.) who find that their responsibilities require similar skills.

Leadership III: Strategies for Supervisory Success (LSIII) - NFA FSC 217

16 Hours Lecture-12.0hrs / Lab-4.0hrs Gear: None
Prerequisites: LSII

Running an effective fire service organization, whether career, combination or volunteer, requires leaders. Many line and administrative officers are very competent in technical areas, but need training and skill practice in key managerial strategies to reach their full potential in leading their organization. This course is targeted to department level officers (Chief, Deputy/Assistant Chiefs) or upwardly-mobile company officers who wish to improve basic leadership skills in areas of situational leadership, delegating, coaching, and discipline. The course may also be applicable to those administrative officers of volunteer organizations (president, secretary, treasurer, etc.) who find that their responsibilities require similar skills.

Legal Aspects for Fire Services (LAFS) FSC 232

16 Hours Lecture-16.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This course increases the student's knowledge of the various statutes, case law decisions and ordinances that directly affect the operation of volunteer fire, rescue or ambulance organizations. The class is structured for the administrative and line officers of the organization.

Legal Aspects for the First Responder FSC 852

4 Hours Lecture-4.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

Command / Instructor / Management Programs

This program is an awareness level training program identifying the legal responsibilities of the first responder. This program will provide the student with an overview of the laws and standards as they apply to emergency service providers. Discussions will relate to specific laws and standards that relate to organizational operation and administration. This program places emphasis upon the development of knowledge used by emergency service personnel to achieve an efficient documentation system and departmental operating guidelines.

Legal Aspects Seminar

FSC 193

4 Hours Lecture-4.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This awareness level training program identifies the legal responsibilities of the first responder. This program will provide the student with an overview of the laws and standards as they apply to emergency service providers. Discussions will relate to specific laws and standards that relate to organizational operation and administration. Emphasis is placed upon the development of knowledge used by emergency service personnel to achieve an efficient documentation system and departmental operating guidelines.

Managing Company Tactical Operations: Decision Making (MCTO-D) - NFA

FSC 122

16 Hours Lecture-16.0hrs / Lab-0.0hrs Gear: None
Prerequisites: MCTO-P

The second in the series of programs to develop skills necessary to manage company tactical operations. Topics include incident command at structural fires, command sequences, size-up, developing an action plan, and implementing the action plan.

Managing Company Tactical Operations: Preparation (MCTO-P) - FSC 121 NFA

16 Hours Lecture-16.0hrs / Lab-0.0hrs Gear: None

Command / Instructor / Management Programs

Prerequisites: EBM or FF-1 or equivalent

The first in the series of programs to develop skills necessary to manage company tactical operations. This course is intended to provide new officers with skills necessary to participate in the successful and safe management of company tactical operations, and the additional courses dealing with tactical operations. Key content includes roles and responsibilities, readiness, communication, building construction and fire behavior factors, and pre-incident preparation.

Managing Company Tactical Operations: Simulations (MCTO-S) - FSC 125 **NFA**

16 Hours Lecture-0.0hrs / Lab-16.0hrs Gear: None
Prerequisites: MCTO-T

The fourth in this series of courses designed to develop skills needed to manage company-level tactical operations. Through various scenarios, students employ the knowledge and skills acquired in the prerequisites in a series of table top exercises.

Managing Company Tactical Operations: Tactics (MCTO-T) - FSC 124 **NFA**

16 Hours Lecture-12.0hrs / Lab-4.0hrs Gear: None
Prerequisites: MCTO-D

The third in the series of programs to develop skills necessary to manage company tactical operations. Topics include tactical action model, ventilation and rescue, confinement and extinguishment, water supply and exposure protection, salvage, overhaul, and support activities.

Managing Company Tactical Operations Review FSC 146

3 Hours Lecture-2.0hrs / Lab-1.0hrs Gear: None
Prerequisites: MCTO Series Recommended

This course will review lessons learned and key points from the NFA MCTO series. Table top evolutions are used to sharpen decision making skills. The student will interact with fellow students and the instructor to gain confidence in his/her ability to make timely decisions based on the lessons learned in the classroom setting.

Mobile Data Terminals FSC 950

1.5 Hours Lecture-1.5hrs / Lab-0.0hrs Gear: None
Prerequisites: None

Command / Instructor / Management Programs

This course provides students with a look at ten years with the Mobile Data Terminal and lessons learned. Electronic documentation presents challenges and opportunities. This program will focus on: hardware, software, training, and data management, which are all present challenges. Opportunities exist in improved data collection, reduced billing time, and quality improvement activities. The Philadelphia Fire Department has faced and overcome many issues and continues to develop opportunities. You can benefit from our experiences, both the good and the bad, and take home the hard won lessons learned over our ten year history of implementing and using electronic documentation and data collection.

National Incident Management System, An Introduction IS-700 (IS-700) FSC 881

4.0 Hours Lecture-4.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This course introduces the student to the National Incident Management System (NIMS); the need for NIMS, what NIMS is, and NIMS compliance.

National Response Plan, An Introduction IS-800.A (IS-800.A) FSC 487

4.0 Hours Lecture-4.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This course is designed to enable personnel to operate efficiently during an incident or event of significant magnitude in accordance with the National Response Plan. This program is designed for personnel who are likely to assume a supervisory position with the ICS or Emergency Response. Topics include: Plan Basics; Roles and Responsibilities; Concept of Operations; Integrating the National Response Plan; General Information.

NIMS – Emergency Planning and Review FSC 948

1.5 Hours Lecture-1.5hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This course provides students with an overview of the National Incident Management System (NIMS) and the National Response Plan. Topics will include an overview of the Incident Command System, Implementation techniques for municipalities, and emergency planning.

NIMS ICS for Emergency Medical Services (NICS-EMS) FSC 945

20 Hours Lecture-20.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

Command / Instructor / Management Programs

This course is designed to teach the implementation of ICS in day-to-day EMS operations and is not meant to be a high-level ICS course for public health emergencies, mass casualty incidents, or other EMS Incidents of National Significance. It will help emergency service personnel recognize the importance of an effective management system and understand the various components that provide the basis for that system.

NIMS ICS for the Fire Service (NICS-FS)

FSC 778

16 Hours Lecture-10.0hrs / Lab-6.0hrs Gear: None
Prerequisites: None

This course will help students recognize the importance of an effective management system and understand the various components that provide the basis for that system. The requirements necessary to make the system functional will be discussed.

Personal Accountability Systems

FSC 565

3 Hours Lecture-2.0hrs / Lab-1.0hrs Gear: None
Prerequisites: None

This course is a comprehensive program dealing with the necessary knowledge and skills relative to accountability systems. Commonly used accountability systems and technologies are presented for the student to evaluate and study for possible use within their department.

Pre-Incident Planning

FSC 832

4 Hours Lecture-4.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

Through classroom sessions this course will provide the student with a comprehensive understanding of the importance of pre-incident planning. This course will outline the planning criteria for an effective emergency response. The student will gain a better understanding for identifying risks and hazards associated with all emergency responses. Topics include: planning criteria, construction types, fire behavior, environmental considerations, and special response and water supply considerations.

Public Information Officer Seminar

FSC 289

6 Hours Lecture-6.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

Command / Instructor / Management Programs

This course is designed to give the students the skills required to act as a Public Information Officer (PIO) in emergency and non-emergency situations.

Command / Instructor /
Management

Responding to PA Turnpike and Interstate Highways Emergencies FSC 865

4 Hours Lecture-4.0hrs / Lab-0.0hrs Gear: None
Prerequisites: IST

This program addresses the several safety and logistical issues commonly associated with emergencies occurring on the turnpike and other major highways throughout Pennsylvania. The course will cover the concept of utilizing a unified command structure. In addition, the response procedures established by the Turnpike Commission are discussed. First Responder safety on the highway is the primary goal of this program.

Roles and Responsibilities within Emergency Management FSC 291

6 Hours Lecture-6.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This program is designed to give the learner an understanding and knowledge of roles and responsibilities with the Incident Command System. The program will focus on the five major functions within the system.

Scene Preservation for First Responders (SPFR) FSC 850

3 Hours Lecture-3.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

Provides participants with basic understanding of access and control of evidence that may be encountered at a fire scene. This course will also address the legal aspects of evidence preservation, personal safety issues, on-scene conduct, and documentation requirements for emergency responders.

Strategy and Tactics FSC 175

16 Hours Lecture-16.0hrs / Lab-0.0hrs Gear: None
Prerequisites: EBM or FF-1 or equivalent, INFO or Equivalent

Command / Instructor / Management Programs

This course teaches the student to operate at all levels of management, from the firefighter to the incident commander. Topics include: size-up techniques, tactical benchmarking, progress assessment, command & control, action plan development, and resource management considerations.

Strategy and Tactics for Initial Company Operations

FSC 975

16 Hours Lecture-16.0hrs / Lab-0.0hrs Gear: None
Prerequisites: EBM or FF-1 or equivalent, INFO or Equivalent

Strategy and Tactics for Initial Company Operations is designed to develop the management skills needed by Company Officers (CO's) to accomplish assigned tactics at structure fires. This course was developed for newly appointed officer or firefighters who have acting CO responsibilities, but it would provide an excellent review for experienced officers.

Technology to Improve Fire Ground Effectiveness

FSC 533

4.0 Hours Lecture-4.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This course is designed to address technology changes designed to increase the effectiveness of fire suppression teams. This course will cover several strategic and tactical probabilities closely associated with suppression efforts. Topics include foam types, apparatus design and layout considerations, hose line options, and ventilation techniques. This course emphasizes the safe and effective management of fire suppression efforts.

Test Taking 101

FSC 949

3.5 Hours Lecture-3.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This course is designed to provide students with information that will assist them in taking a variety of tests in fire and emergency services. Topics will include: reasons for evaluations, building testing tools, oral testing, written testing, multiple choice testing, true/false testing, matching tests, common pitfalls, and trending.

Under Pressure: Decision Making and Problem Solving

FSC 192

6 Hours Lecture-6.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

Command / Instructor / Management Programs

Students will be able to clearly identify a problem and its cause in order to determine the appropriate type of decision making style. Using a suggested process of problem solving, participants will be able to apply creative solutions to both emergency and non-emergency situations.

Volunteer Fire Service Management (VFSM) - NFA

FSC 212

16 Hours Lecture-12hrs / Lab-4hrs Gear: None
Prerequisites: None

Volunteer fire departments and companies today have become businesses, responsible for the administration of budgets in the tens of thousands of dollars, for the oversight of personnel activities involving its members, for planning to meet future needs, etc. This course introduces fire company officers or officer candidates to basic management principles that can be applied to the task of managing a fire service organization.

Volunteer Retention and Recruitment: Problem and Solutions (VFSR)

FSC 215

4 Hours Lecture-4.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This course's targeted audience is administrative and line officers of volunteer fire departments, persons serving as recruitment officers or on recruitment/retention committees. Persons serving in similar capacities in other volunteer emergency service organizations may benefit from attending. The course examines the results of a March 1993 conference at the National Fire Academy between 16 volunteer fire service representatives from around the country concerning retention and recruitment issues. Students will have the opportunity to examine these results and their implications, to share experiences, and to begin the process of applying the course content to conditions in their own departments.

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Emergency Medical Service Programs

Advanced First Aid

FSC 626

8 Hours Lecture-4.0hrs / Lab-4.0hrs Gear: None
Prerequisites: None

This program emphasizes the importance of quick delivery of advanced first aid techniques. Patient assessment strategies and tactical consideration are addressed throughout the course. This program reviews the process for the activation of basic and advanced life support for advanced patient care. Topics covered include: airway management, splinting and patient packaging, soft tissue injuries, bleeding control, assisting with airway adjunct devices, shock management, and basic human physiological considerations.

Advanced Wilderness First Aid

FSC 874

20 Hours Lecture-16.0hrs / Lab-4.0hrs Gear: None
Prerequisites: None

This program contains the information necessary to deliver appropriate and effective medical care in remote wilderness areas, under resource limited conditions. This program will prepare the student to become medically competent in field scenarios and to operate as a medical responder during a technical rescue or medical response situation.

AED & Airway Management

FSC 686

2 Hours Lecture-1.5hrs / Lab-0.5hrs Gear: None
Prerequisites: None

This program reviews the techniques and procedures for the quick delivery of automated external defibrillation, oxygen delivery, and airway management. The student will learn the importance of safe and effective intervention techniques. This program reviews the process for the activation of and assistance to advanced life support responders.

Airway Management, EMT – B (Module 2)

FSC 491

6 Hours Lecture-6.0hrs / Lab-0.0hrs Gear: None
Prerequisites: FR or EMT-B or EMT-P

This course reviews the structure and function of the respiratory system, emergency medical care procedures for respiratory distress, adjuncts and equipment for airway management, and the identification of the signs and symptoms of respiratory distress. This program will review oxygen and airway management procedures for infants, children, and adults.

Emergency Medical Service Programs

Allergies, EMT – B (4-5)

FSC 557

2 Hours Lecture-2.0hrs / Lab-0.0hrs Gear: None
Prerequisites: FR or EMT-B, or EMT-P

This course reviews the various types of medical conditions to prepare the student to be medically competent in the assessment and management of medical patients having severe allergic reactions. Emergency care procedures and identifying the signs and symptoms will be reviewed.

American Heart Association: AED and CPR

FSC 282

4.5 Hours Lecture-3.5hrs / Lab-1.0hrs Gear: None
Prerequisites: None

This course emphasizes quick delivery of CPR and early delivery of external defibrillation. Legal issues associated with assistance to people in distress will be covered in the program. This course will cover the risk factors associated with heart disease and the signs and symptoms of cardiac distress. The student will execute the proper procedures for the delivery of CPR and the use of an automated external defibrillator. (Students are required to purchase certification cards.)

American Heart Association: Automatic External Defibrillation

FSC 672

2 Hours Lecture-1.0hrs / Lab-1.0hrs Gear: None
Prerequisites: None

This course will review the importance and effectiveness of automated external defibrillators. Student will review conditions for patients in cardiac emergency. This program addresses the legal issues associated with AED's. (Students are required to purchase certification cards.)

Emergency Medical Service Programs

American Red Cross Emergency Response Review

FSC 962

14.0 Hours Lecture-14.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This program contains the information necessary to deliver appropriate and effective medical care. This program will prepare the student to become a medically competent Emergency Medical First Responder in accordance with the 2005 Guidelines for Emergency Care and Education. This course will prepare students with the knowledge and skill to provide ill and injured patients with basic life support prior to the arrival of pre-hospital care providers with more extensive training in accordance with the standards set forth by the American Red Cross and the Pennsylvania Bureau of Emergency Health Services. The Curriculum is a core curriculum of the minimum required information that is necessary to attain certification by testing through the Pennsylvania Bureau of Emergency Health Services. The Pennsylvania written and practical examination testing is not required to complete this course.

American Red Cross: Professional Rescuer (CPR/AED/FA/Oxygen Administration) FSC 973

12 Hours Lecture-8.0hrs / Lab-4.0hrs Gear: None
Prerequisites: None

This program will teach the importance of quickness in the delivery of CPR and First Aid. The student, upon completion of this program will receive an American Red Cross certification card for CPR and standard first aid. Also covered will be the procedures for responses to an obstructed airway on an adult choking victim, patient moving, bag-valve mask resuscitator, and emergency oxygen delivery. This program addresses the legal issues associated with assistance to people in distress and identifies the major risk factors associated with heart disease. This program reviews the process for the activation of basic and advanced life support for assistance to the rescuer. This program addresses various types of injuries, basic treatment procedures, basic oxygen delivery considerations, and procedures for managing life threatening injuries. The student will apply procedures learned in class during the hands-on scenario portion of the course. This program meets the intent of CFR1910.151. (Students are required to purchase certification cards.)

Ballistic Injuries

FSC 182

3 Hours Lecture-3.0hrs / Lab-0.0hrs Gear: None
Prerequisites: FR or EMT-B or EMT-P

This course reviews ballistic wounds as well as responder and patient safety. This course reviews complications and emergency care procedures associated with ballistic injuries inflicted by firearms, explosions, and other projectiles.

Emergency Medical Service Programs

Baseline Vital Signs and Sample History

FSC 159

2 Hours Lecture-2.0hrs / Lab-0.0hrs Gear: None
Prerequisites: FR or EMT-B or EMT-P

This course reviews how to take and interpret baseline vital signs: respiratory rate, pulse, skin, pupils, blood pressure, and capillary refill. This program follows the baseline vitals and sample history module found in the national curriculum.

Behavioral Emergencies, EMT-B (4-8)

FSC 833

1.5 Hours Lecture-1.5hrs / Lab-0.0hrs Gear: None
Prerequisites: FR or EMT-B or EMT-P

This program is designed as a continuing education program for the DOH certified EMT-B. The course reviews contributing factors that would influence a patient's behavior and reaction to treatment, management of emotionally disturbed patients, and situational size-up and self-protection measures. This program will prepare the students to become medically competent in the assessment and management of patients experiencing psychological distress, during difficult response conditions. The curriculum is based on the Behavioral Emergencies module found in the National Standard Curriculum. This is the standard course of instruction approved by the Pennsylvania Department of Health for continuing education credits.

Bleeding and Shock – EMT – B (5-1)

FSC 489

2 Hours Lecture-2.0hrs / Lab-0.0hrs Gear: None
Prerequisites: FR or EMT-B or EMT-P

This course reviews the emergency care procedures for profuse bleeding (internal/external) as well as severe shock. This program reviews the signs and symptoms of shock and direct pressure techniques for controlling severe bleeding.

Blood-borne Pathogens & Infectious Disease Awareness – BIDA

FSC 296

4.5 Hours Lecture-4.5hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This course provides basic information on the diseases hepatitis C and HIV, routes of entry and exposure, as well as the precautions needed to minimize/eliminate risk and regulatory requirements. This course meets federal regulations for awareness level information.

Emergency Medical Service Programs

Blood-borne Pathogens Refresher

FSC 181

1.5 Hours Lecture-1.5hrs / Lab-0.0hrs Gear: None
Prerequisites: Blood-borne Pathogens Course

This course reviews infection control and infection prevention practices for emergency & non-emergency public service agencies.

Cardiac Emergencies, EMT – B (4-3)

FSC 653

3 Hours Lecture-2.0hrs / Lab-1.0hrs Gear: None
Prerequisites: FR or EMT-B or EMT-P

This course reviews circulatory system anatomy and physiology, AED, cardiac medications, and post resuscitation care. The course is from the National Standard Curriculum for First Responders and EMTs. This course is approved for continuing education credits by the PA Department of Health.

Communications, EMT – B (3-7)

FSC 279

1 Hours Lecture-1.0hrs / Lab-0.0hrs Gear: None
Prerequisites: FR or EMT-B or EMT-P

This program stresses the importance of effective communications for emergency service organizations. This course covers communication systems, communications protocol, communications with medical direction, and verbal and written communications models. This program will prepare the student to become confident with their communication abilities. The curriculum is based on the communications module found in the National Standard Curriculum. This is the standard course of instruction approved by the Pennsylvania Department of Health for continuing education credits.

Diabetes/Altered Mental Status, EMT – B (4-4)

FSC 287

2 Hours Lecture-2.0hrs / Lab-0.0hrs Gear: None
Prerequisites: FR or EMT-B or EMT-P

This course reviews the actions necessary to manage diabetic emergencies, altered mental status, and diabetic medicines. This program will prepare the student to become medically competent in the assessment and management of diabetic patients with altered mental status. This course is approved for continuing education credits by the PA Department of Health.

Emergency Medical Service Programs

Difficult Patient Packaging

FSC 369

4 Hours Lecture-4.0hrs / Lab-0.0hrs Gear: None
Prerequisites: FR or EMT-B or EMT-P

This course reviews various types of packaging techniques and safe practices for packaging combative patients. The student will learn awareness and self-protection techniques in order to avoid injury to both the patient and the EMT.

Documentation, EMT – B (3-8)

FSC 298

1.5 Hours Lecture-1.5hrs / Lab-0.0hrs Gear: None
Prerequisites: FR or EMT-B or EMT-P

This course reviews procedures for effective and retrievable documentation of medical response emergencies. In addition, critical components of accurate report writing, legal implications associated with reports, and special considerations regarding patient refusal will be covered. All state and local reporting requirements are discussed in this course. This course is approved for continuing education credits by the PA Department of Health.

Emergency Medical First Responder – DHFR

FSC 251

50 Hours Lecture-30.0hrs / Lab-20.0hrs Gear: None
Prerequisites: None

This program contains the information necessary to deliver appropriate and effective basic medical care. This program will prepare the student to become a medically competent First Responder. The curriculum is a core curriculum of the minimum required information that is necessary to attain certification as a First Responder. This is the standard course of instruction for this level and is approved by the Pennsylvania Department of Emergency Health. Students must pass the written and practical examinations to receive certification at the First Responder level.

**** The course must be registered through your local EMS Council ****

Emergency Medical Service Programs

Emergency Medical Technician – Basic – EMTB

FSC 255

130 Hours Lecture-55.0hrs / Lab-75.0hrs Gear: None
Prerequisites: None

This program contains the information necessary to deliver appropriate and effective medical care. This program will prepare the students to become a medically competent Emergency Medical Technician. The curriculum is a core curriculum of the minimum required information that is necessary to attain certification as an Emergency Medical Technician. This is the standard course of instruction approved by the Pennsylvania Department of Health for the training of Emergency Medical Technicians. The written and practical examinations necessary for certification are part of this course.

**** The course must be registered through your local EMS Council ****

EMS and the Crime Scene

FSC 997

3 Hours Lecture-3.0hrs / Lab-0.0hrs Gear: None
Prerequisites: FR or EMT-B or EMT-P

This course is designed to teach the EMS practitioner about the common mistakes made while on a scene involving a death. It gives a briefing about evidence, crime scene logs, moving or tampering with evidence, patient assessment, body removal, and the “do’s and don’ts” for scene safety in suicidal cases. This is the standard course of instruction that is approved by the Pennsylvania Department of Health for continuing education credits.

Environmental Emergencies, EMT – B (4-7)

FSC 286

2 Hours Lecture-2.0hrs / Lab-0.0hrs Gear: None
Prerequisites: FR or EMT-B or EMT-P

This course reviews the various environmental emergencies encountered by the medical first responder. Topics include: heat & cold related conditions, insect stings, animal bites, and hazmat responses. The course is from the National Standard Curriculum for First Responders and EMT. This course is approved for continuing education credits by the PA Department of Health.

Emergency Medical Service Programs

Epinephrine Auto-Injector Training Module

FSC 671

3 Hours Lecture-2.0hrs / Lab-1.0hrs Gear: None
Prerequisites: None

This course covers the primary use of epinephrine auto injectors. This course is essential training for EMS personnel who wish to administer epinephrine auto-injectors carried on ambulances and QRS units. Topics include: physical findings, allergic reactions, assessment and treatment, pharmacology, contraindications vs. indications, and EMS guidelines.

Focused History & Physical Exam, Medical Patients EMT – B

FSC 367

2 Hours Lecture-2.0hrs / Lab-0.0hrs Gear: None
Prerequisites: FR or EMT-B or EMT-P

This course reviews assessment procedures and considerations for medical patients. This program reinforces the techniques used to assess, manage, and treat medical emergencies. The course is from the National Standard Curriculum for the First Responder and EMT. This course is approved for continuing education credits by the PA Department of Health.

Focused History & Physical Exam, Trauma Patients EMT – B

FSC 169

3 Hours Lecture-2.0hrs / Lab-1.0hrs Gear: None
Prerequisites: FR or EMT-B or EMT-P

This course reviews patient assessment, as it relates to trauma patients. This program reinforces the techniques used to assess, manage, and treat trauma related injuries. The course is from the National Standard Curriculum for the First Responder and EMT. This course is approved for continuing education credits by the PA Department of Health.

General Pharmacology, EMT – B (4-1)

FSC 197

1 Hours Lecture-1.0hrs / Lab-0.0hrs Gear: None
Prerequisites: EMT-B

This course reviews the identification of medications and their associated and their associated dangers during administration. This program will prepare the student to become medically competent in the effectiveness of medicines. In addition, this course reviews side effects, indications, and contraindications of various drugs.

Emergency Medical Service Programs

Infants & Children, EMT – B (6-1)

FSC 558

3 Hours Lecture-3.0hrs / Lab-0.0hrs Gear: None
Prerequisites: FR or EMT-B or EMT-P

This course reviews various medical issues associated with the emergency care procedures for infants and children. This program prepares the student to be medically competent in the assessment and management of injured or ill children and infants. The course is from the National Standard Curriculum for the First Responder and EMT and is approved for continuing education credits by the PA Department of Health.

Injuries to the Head & Spine, EMT – B (5-4)

FSC 490

4 Hours Lecture-4.0hrs / Lab-0.0hrs Gear: None
Prerequisites: FR or EMT-B or EMT-P

This course reviews the structure and function of the central nervous system, emergency care procedures for head and spine injuries, equipment for spinal immobilization, and the identification of mechanisms for injuries. This program will review emergency care procedures for head and spine injuries, as well as special considerations for rapid extrications. The course is from the National Standard Curriculum for the First Responder and EMT.

Lifting & Moving, EMT – B (1-6)

FSC 283

3 Hours Lecture-2.0hrs / Lab-1.0hrs Gear: None
Prerequisites: FR or EMT-B or EMT-P

This course reviews patient lifting and moving procedures, guidelines and safety precautions for carrying patients and equipment, techniques for pushing and pulling, and the identification and use of various patient carrying devices. The course is from the National Standard Curriculum for the First Responder and EMT. This course is approved for continuing education credits by the PA Department of Health.

Mass Casualty Incident Overview and Practical Training

FSC 423

8 Hours Lecture-4.0hrs / Lab-4.0hrs Gear: None
Prerequisites: None

This program is designed to give emergency medical personnel the skills and knowledge necessary to operate effectively at a Mass Casualty Incident (MCI). Topics include environmental hazards, MCI plan components, response criteria, agency roles, unit and personnel responsibilities, size techniques, START theory of triage and treatment, and integrated MCI exercises.

Emergency Medical Service Programs

Musculoskeletal Care EMT – B (5-3)

FSC 281

4 Hours Lecture-3.0hrs / Lab-1.0hrs Gear: None
Prerequisites: EMT-B or EMT-P

This course reviews musculoskeletal injuries, bones injuries, immobilization techniques and traction splinting. National Standard Curriculum, DOH standard course.

National Safety Council: Basic First Aid

FSC 302

3.5 Hours Lecture-2.5hrs / Lab-1.0hrs Gear: None
Prerequisites: None

This course teaches the student to quickly and efficiently administer basic emergency care to injured patients using basic life support skills with minimal first aid equipment. Students will execute the lessons through practical exercises. (Students are required to purchase certification cards)

National Safety Council: Basic First Aid & CPR

FSC 303

8 Hours Lecture-5.0hrs / Lab-3.0hrs Gear: None
Prerequisites: None

This course teaches the student to quickly and efficiently administer basic emergency care to injured patients using basic life support skills with minimal first aid equipment. In addition, this course teaches the student to effectively administer CPR to patients in cardiac arrest. The student will learn how to manage obstructed airways and will execute the lessons through practical exercises. (Students are required to purchase certification cards)

National Safety Council: Blood-Borne Pathogens

FSC 184

3 Hours Lecture-3.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This program is a Con-Ed course program for medical responders or employers subjected to possible exposure to pathogens. The course reviews the actions needed to manage an infection control program.

Emergency Medical Service Programs

National Safety Council: CPR

FSC 301

4 Hours Lecture-3.0hrs / Lab-1.0hrs Gear: None
Prerequisites: None

This course teaches the student to quickly and efficiently administer CPR to patients in cardiac arrest. In addition, the student will learn how to manage obstructed airways and will execute the lessons through practical exercises. (Students are required to purchase certification cards)

National Safety Council: First Responder

FSC 629

40 Hours Lecture-25.0hrs / Lab-15.0hrs Gear: None
Prerequisites: None

This course is designed for persons likely to find themselves first to arrive at the scene of an acute illness or injury (such as police officers, fire fighters, etc.). It is also helpful to those who may be called upon to assist Emergency Medical Technicians or paramedics in rendering care. It is taught to the standard curriculum approved for First Responders by the PA Dept. of Health. The written exam and practical skills test leading to certification as a First Responder by that agency is administered at the conclusion of the course. (Students are required to purchase certification cards)

Ob & Gynecology, EMT – B (4-9)

FSC 555

2 Hours Lecture-2.0hrs / Lab-0.0hrs Gear: None
Prerequisites: FR or EMT-B or EMT-P

This course is a continuing education program that reviews the medical emergencies specifically associated with women. This course reviews patient assessment procedures that ensure medical competency for the management of OB and gynecological emergencies. The course is from the National Standard Curriculum for First Responders and EMT's.

Patient Access EMT – B (7-2)

FSC 354

1 Hours Lecture-1.0hrs / Lab-0.0hrs Gear: None
Prerequisites: EMT-B or EMT-P

This module contains all materials necessary to meet the needs of EMTs operating at the scene of an auto accident, involving a patient in need of medical assistance and extrication. Emphasis is placed on development of knowledge and skills to be used by emergency medical personnel.

Emergency Medical Service Programs

Pediatric Education for Pre-Hospital Professionals, PEPP, BLS **FSC 890**

8 Hours Lecture-6.0hrs / Lab-2.0hrs Gear: None
Prerequisites: FR or EMT-B or EMT-P

This course reviews various emergency care issues associated with this special population. This course recognizes the various signs and symptoms as well as emergency care procedures for infants and children.

Poisoning and Overdose Emergencies EMT – B (4-6) **FSC 440**

2 Hours Lecture-2.0hrs / Lab-0.0hrs Gear: None
Prerequisites: EMT-B or EMT-P

The course reviews emergency care procedures for managing poisonings and overdoses. Also reviewed are signs and symptoms, indicators, contraindicators, airway management considerations, and medications.

Pre-Hospital Spinal Immobilization **FSC 488**

3 Hours Lecture-3.0hrs / Lab-0.0hrs Gear: None
Prerequisites: FR or EMT-B or EMT-P

The course covers the normal structure and function of the spine, injuries to the spine, principles of patient assessment, principles of treatment, special considerations for extended patient management, and medical legal issues. The equipment for spinal immobilization is also covered in this program. This student will review emergency care procedures for spinal injuries, for patients requiring extended care considerations.

Pre-Hospital Trauma Life Support – PHTLS **FSC 254**

20 Hours Lecture-12.0hrs / Lab-8.0hrs Gear: None
Prerequisites: EMT-B or EMT-P

This program was developed by the American College of Surgeons to prepare the student to administer care to patients suffering from traumatic injuries, outside medical care facilities. Emphasis is placed on the importance of rapid recognition of critical patients. The curriculum also addresses rapid patient assessment and recognition of mechanisms of traumatic injury. This is the standard course of instruction approved by the Pennsylvania Department of Health for the continued education of EMTs. The written and practical examinations to receive certification are part of this course. This course must be registered through the local Emergency Health Council.

**** The course must be registered through your local EMS Council ****

Emergency Medical Service Programs

Rehabilitation for Firefighters Working in Emergency Environments

FSC 669

3 Hours Lecture-3.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This course is designed for fire and emergency medical personnel who are responsible for establishing and operating a rehabilitation area for firefighters and emergency service responders at emergency environments. The course will deal with how to establish and operate a rehabilitation center for emergency providers who are operating at an emergency event.

Respiratory Emergencies, EMT-B (4-2)

FSC 285

2.5 Hours Lecture-2.5hrs / Lab-0.0hrs Gear: None
Prerequisites: EMT-B or EMT-P

This program is designed as a continuing education program for the DOH certified EMT-B. The course reviews the structure and function of the respiratory system, emergency medical care procedures for respiratory distress, medications used for the management of respiratory distress, and the identification of the various signs and symptoms. This program will prepare the student to become medically competent in the assessment and management of patients experiencing respiratory distress. The curriculum is based on the respiratory emergencies module found in the National Standard Curriculum.

S.M.A.R.T. Triage

FSC 1007

2.5 Hours Lecture-2.0hrs / Lab-0.5hrs Gear: None
Prerequisites: None

This program provides a rapid and systematic approach to the triage process, concepts and procedures for triage, and multiple casualty incident management. Through both lecture and practical exercises the students will gain a better understanding of the complexities and specific issues involving these types of events.

S.T.A.R.T. Triage

FSC 684

4 Hours Lecture-4.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This program provides a rapid and systematic approach to the triage process. This course will improve student's ability to execute triage techniques at MCI incidents.

Emergency Medical Service Programs

Scene Size-Up & Initial Assessment, EMT – B (3-1,2)

FSC 161

1.5 Hours Lecture-1.5hrs / Lab-0.0hrs Gear: None
Prerequisites: FR or EMT-B or EMT-P

This course reviews scene size-up and safety issues, as well as the performance of an initial patient assessment. This program will enhance student proficiency in assessing scene hazards and life threatening conditions. The course is from the National Standard Curriculum for the First Responder and EMT.

Soft Tissue Injuries, EMT – B (5-2)

FSC 284

2 Hours Lecture-1.5hrs / Lab-0.5hrs Gear: None
Prerequisites: FR or EMT-B or EMT-P

This course prepares the student to be medically competent in the assessment and management of soft tissue injuries. This program reinforces the techniques used to assess, manage, and treat soft tissue injuries. The course is from the National Standard Curriculum for the First Responder and EMT.

Stabilization and Patient Access - EMT

FSC 938

4 Hours Lecture-1.0hrs / Lab-3.0hrs Gear: EMS TOG
Prerequisites: None

This module contains all materials necessary to meet the needs of Emergency Medical Technicians operating at the scene of an automobile accident, involving an entrapped in need of medical assistance and extrication. Students will use immobilization devices to stabilize patients, operate tools and equipment used for gaining access to patients, and identify techniques used for maintaining scene safety. Emphasis is placed on the development of knowledge and skills to be used by emergency medical personnel to provide a safe and efficient response to a rescue incident.

Street Drugs for Pre-Hospital Care Providers

FSC 998

3 Hours Lecture-3.0hrs / Lab-0.0hrs Gear: None
Prerequisites: FR or EMT-B or EMT-P

This course will review drugs used by street level consumers, to include methods of consumption, equipment used, and effects of drugs on those who consume it.

Emergency Medical Service Programs

Street Survival for Emergency Medical Personnel (SSEP)

FSC 210

16 Hours Lecture-8.0hrs / Lab-8.0hrs Gear: None
Prerequisites: None

This course will provide the student with practical and realistic tactics to assure personal safety when called to an incident scene. Techniques include approach, assessing danger in a patient and the environment, using self-defense, cover and concealment.

Wilderness EMT

FSC 920

40 Hours Lecture-25.0hrs / Lab-15.0hrs Gear: None
Prerequisites: EMT-B or EMT-I, or EMT-P

The course is provided in a lecture and skills format. The students are expected to participate 100% in all classroom and practical stations as well as attend all lectures. The student will be given a written exam and practical exam, which requires successful completion to receive certification. Wilderness EMT certification is only applicable if the cardholder has a current EMT-B, EMT-I or EMT-P certification. The Wilderness EMT certification is a two-year certification.

Emergency Medical Service Programs

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Fire Police Programs

Fire Police

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Fire Police Programs

Advanced Fire Police (FIPA)

FSC 243

16 Hours Lecture-12.0hrs / Lab-4.0hrs Gear: Job Related PPE
Prerequisites: FIPO

This course will touch upon training and the training officer's qualifications, policy and procedures, legal liabilities, court appearance, leadership, communications and public relations, defensive driving, traffic control, security, self-protection and uniforms.

Basic Fire Police (FIPO)

FSC 242

16 Hours Lecture-12.0hrs / Lab-4.0hrs Gear: Job Related PPE
Prerequisites: None

This course sets forth the need for fire police, as well as their legal police power, personal and professional qualifications, appointment and control, general and special duties, and limitations.

Emergency Response for Fire Police (ERFP)

FSC 239

16 Hours Lecture-12.0hrs / Lab-4.0hrs Gear: None
Prerequisites: FIPO

This course covers: response vehicle, response routes, equipment, clothing, preparation, personal ability, defensive driving, the approach to the scene, man-made disasters (HazMat, etc.), natural disasters (floods, etc.), lost person search, disease exposure, and accounting for personnel.

Fire Police in Non-Emergency Operations (NEFP)

FSC 330

16 Hours Lecture-14.0hrs / Lab-2.0hrs Gear: None
Prerequisites: FIPO

This course will detail the work of fire police on duty for funerals, fairs, parades, sports events, school events, municipal events, Police Week, holidays, and other functions.

Fire Police Programs

Fire Police Misconceptions

FSC 858

4 Hours Lecture-4.0hrs / Lab-0.0hrs Gear: None
Prerequisites: FIPO

This program introduces the student to Title 35 and the latest revision to the law, Act 122 of 1980. Fire Police law, PA Department of Transportation Vehicle Code Regulations Title 67, Vehicle Code Title 75, and the Penal Code Title 18 are used as references to illustrate the reality over the myths. The course is designed to eliminate the confusion and misunderstanding regarding the role, responsibility, authorization, and general information associated with fire police while engaged in their duties.

Fire Police Refresher

FSC 663

4 Hours Lecture-4.0hrs / Lab-0.0hrs Gear: None
Prerequisites: FIPO

This course provides essential updates for fire police personnel regarding laws and procedure changes for fire police duties. Students will review current cases regarding job performance liabilities and safety issues.

Fire Police Review

FSC 1001

16 Hours Lecture-16.0hrs / Lab-0.0hrs Gear: None
Prerequisites: FIPO

The intent of this program is to clarify some misunderstandings fire police officers have developed regarding their duties and responsibilities, provide additional information to assist them in the performance of their duties, and to bring into focus material and information gained during attendance at various training programs.

Legal Concepts for Fire Police (LCFP)

FSC 244

16 Hours Lecture-14.0hrs / Lab-2.0hrs Gear: None
Prerequisites: FIPO

This course consists of an in-depth study of the laws with which fire police, fire departments, and their municipalities are jointly involved. This includes powers, negligence, liability, detention, lawsuits, training, insurance, courtroom procedures, vehicle codes and regulations, and the crime code.

Fire Police

Fire Police Programs

Public Relations for Fire Police (CPFP)

FSC 241

16 Hours Lecture-12.0hrs / Lab-4.0hrs Gear: None
Prerequisites: FIPO

This course will help fire police to communicate their ideas effectively, how to listen and understand the words and message directed to them and if response is required, how to use tools of communication and how communications work in public relations.

Fire Police

Fire Police Programs

Fire Police

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Fire Suppression Programs

Alleys and Courtyards Awareness

FSC 946

11 Hours Lecture-3.0hrs / Lab-8.0hrs Gear: TOG, SCBA
Prerequisites: EBM or FF-1 or equivalent and SBS

This program teaches the firefighter how to operate as a member of a team to fight a fire in alleys and courtyards. This program teaches the fire fighter to recognize and understand the areas where alleys and courtyards will be encountered, the construction types, layouts, and designs of neighborhoods where alleys and courtyards exist. In addition, this course will teach the students to quickly assess the scene to develop strategies and tactics to safely control and extinguish any fire in these specific target hazards. This program is designed to enhance the suppression skills of the experienced firefighter or officer in these specific areas.

Attack and Back-up Lines

FSC 155

3 Hours Lecture-2.0hrs / Lab-1.0hrs Gear: TOG, SCBA
Prerequisites: EBM or FF-1 or equivalent and SBS

This course reviews and reinforces training from previous experience in the use and operation of attack and back-up hose lines. The student will identify the role of each crew as it relates to structural fire attack. The student will perform on both crews through integrated exercises.

Bucks Advanced Fire Academy

FSC 916

136 Hours Lecture-56.0hrs / Lab-80.0hrs Gear: TOG, SCBA
Prerequisites: EBM or FF-1 or equivalent

This course continues along the path to a complete basic fire fighting education by introducing advanced concepts and techniques in such areas as ventilation, building construction, water supply, fire control, thermal imaging, engine and truck company techniques. The basic "whys and hows" of fire ground tactical operations are introduced as well.

Bucks Basic Fire Academy

FSC 913

104 Hours Lecture-49.5hrs / Lab-54.5hrs Gear: TOG, SCBA
Prerequisites: None

Through classroom sessions and practical fieldwork, this course will give the recruit/new firefighter the ability to function safely and effectively as a member of a fire suppression organization. This program is designed to follow the NFPA 1001 Standard for Firefighter Professional Qualifications, for Fire Fighter 1.

Fire Suppression Programs

Church Fires & Fire Ground Size-up

FSC 841

8 Hours Lecture-8.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This program teaches the student how to operate at a complex fire/emergency scene. The student will also develop skills to quickly assess the scene to develop strategies and tactics to safely control the situation. Topics include: size-up strategies, building construction, fire behavior, resource calculations, and disengagement criteria.

Class “A” Foam Awareness

FSC 636

4 Hours Lecture-4.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This course introduces the student to using Class “A” foam. Topics covered include: concentrate selection and application rates, equipment maintenance, preferred application and use, surface tension characteristics, and the advantages and disadvantages of Class “A” foam concentrate.

Commercial Building Fire Operations

FSC 165

32 Hours Lecture-12.0hrs / Lab-20.0hrs Gear: TOG, SCBA, Spare Cylinder
Prerequisites: EBM or FF-1 or equivalent and Dwelling Fire Operations

This course teaches the firefighter the different types of commercial buildings and layouts. The course also teaches how to develop and utilize pre-plans to assess the scene and to develop strategies and tactics to safely control and extinguish a fire in a commercial building.

Compressed Air Foam Systems

FSC 985

3 Hours Lecture-3.0hrs / Lab-20.0hrs Gear: None
Prerequisites: EBM or FF-1 or equivalent

This course will identify compressed air foam systems and its different components, applications, and techniques. Topics include: Foam Basics, major components of a compressed air foam system, nozzle options and application rates, system maintenance, and auxiliary benefits of compressed air foam.

Fire Suppression Programs

Dwelling Fire Operations

FSC 164

32 Hours Lecture-12.0hrs / Lab-20.0hrs Gear: TOG, SCBA, Spare Cylinder
Prerequisites: EBM or FF-1 or equivalent and ECOP

This program teaches the fire fighter the different types of dwellings and their layouts. The course also teaches how to quickly assess the scene to develop strategies and tactics to safely control and extinguish a dwelling fire.

Engine Company Operations (ECOP)

FSC 205

16 Hours Lecture-4.5hrs / Lab-11.5hrs Gear: TOG, SCBA
Prerequisites: EBM or FF-1 or equivalent

This course provides instruction in the duties and responsibilities of an engine company. Topics include: fire behavior and spread in structures, positioning of apparatus, use of attack and backup lines, search and rescue, and water supply. A series of hands-on drills involving various engine company evolutions follows the classroom discussion.

Engine Company Operations at High Rise Fires

FSC 836

16 Hours Lecture-8.0hrs / Lab-8.0hrs Gear: TOG, SCBA
Prerequisites: EBM or FF-1 or equivalent

This course will give the student an excellent opportunity to refine his/her basic engine company skills for high-rise operations. Through classroom and integrated field exercises, this course includes topics such as: assignments and tactics, fire attack methods, size-up, hoseline placement, standpipe operations, and water supply. Included in this program are simulated fire training exercises in a mid-rise structure.

Engine Company Operations Refresher

FSC 634

6 Hours Lecture-3.0hrs / Lab-3.0hrs Gear: TOG, SCBA
Prerequisites: ECOP

This program reviews the duties and responsibilities assigned or implied to engine company personnel. This course will review operational considerations for various suppression conditions and other topics involving engine company operations.

Fire Suppression Programs

Engine and Truck Company Operations for High Rise Fires

FSC 693

16 Hours Lecture-12.0hrs / Lab-8.0hrs Gear: TOG, SCBA
Prerequisites: EBM or FF-1 or equivalent, ECOP, TRCO

This course will give the student an excellent opportunity to expand his/her knowledge of engine and truck work. This advanced level course will challenge the student to anticipate potential and probable setbacks when operating at a high-rise structure fire. Topics include: forced entry, ventilation, search and rescue, size-up, hoseline placement and selection, standpipe operations, water supply, and aerial and ground ladders. Included in this program are simulated fire training exercises in a mid-rise structure.

Essentials Refresher

FSC 517

24 Hours Lecture-6.0hrs / Lab-18.0hrs Gear: TOG, SCBA
Prerequisites: EBM or FF-1 or equivalent

This course will review the skills learned in the "Essential Basic Module I" course. Topics reviewed include hose loads and advancement, fire streams and water supply, ground ladders, forcible entry, and the use of SCBA.

Exterior Firefighting (ELEF)

FSC 462

42 Hours Lecture-26.0hrs / Lab-16.0hrs Gear: TOG & SCBA
Prerequisites: ELFG

This program, "*Exterior Firefighter*" (*ELEF*), is designed to equip the entry level firefighters with the basic knowledge, skills, and abilities as they relate to exterior fireground operations. It introduces new firefighters to basic information including building construction, ladders, communications, protective systems/sprinklers, forcible entry and fire prevention.

Farm / Barn Fire Fighting (FAFI)

FSC 630

16 Hours Lecture-13.0hrs / Lab-3.0hrs Gear: TOG
Prerequisites: EBM or FF-1 or equivalent

This course is designed to deal with fires in barns and other farm structures. Topics include water supply, safety, and command. The priority system, which governs fire attack options, is also discussed.

Fire Suppression Programs

Farm / Barn Fire Fighting Refresher

FSC 979

4 Hours Lecture-4.0hrs / Lab-0.0hrs Gear: TOG
Prerequisites: FAFI

This course is a refresher program for the Farm/Barn Firefighting course. This course is designed to review the strategies and tactics associated with Farm Fire Emergencies. This course will provide the student with additional information so that they can develop an incident action plan for these types of emergencies. Topics that will be reviewed will be silo fires, grain bin storage fires, building construction, water supply requirements, as well as, other special problems that are specific to farm fires. Firefighter safety will be addressed in the farm fire and emergency environment.

Fire Behavior

FSC 633

3 Hours Lecture-3.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

In this program, the firefighter is introduced to fire behavior and its effects on both objects and living beings. This program will teach the firefighter to quickly recognize fire hazards and inherent life-threatening dangers.

Fire Control Refresher

FSC 674

4 Hours Lecture-1.0hrs / Lab-3.0hrs Gear: TOG, SCBA
Prerequisites: EBM or FF-1 or equivalent

“Fire Control” is a study concerning the actions required of fire fighters when they effectively manipulate machinery and appliances in order to apply water in a form that is best suited to extinguish fire.

Fire Fighter Skills Enhancement (FCIP)

FSC 139

32 Hours Lecture-14.0hrs / Lab-18.0hrs Gear: TOG, SCBA
Prerequisites: EBM or Fundamentals of Fire Fighting (FFF) or a combination of three(3) of the following 16 hour courses: Respiratory Protection (REPR/REPX), Engine Company Operations (ECOP), Truck Company Operations (TRCO/ATRC), Structural Burn Session (SBS), Ventilation Practices (TRVP), Structural Fire Rescue (SFR).

This course is designed to refresh and reinforce the basic knowledge and skills required by any fire fighter who wishes to work efficiently, effectively and safely as part of a team on the fire ground.

Fire Suppression Programs

Fire Fighter Survival (SURV)

FSC 202

16 Hours Lecture-6.0hrs / Lab-10.0hrs Gear: TOG, SCBA, PASS, Spare Cylinder
Prerequisites: 18 years of age, EBM or FF-1 or equivalent

This course is a comprehensive program dealing with the necessary knowledge and skills relative to rescue procedures needed for self-rescue. Emphasis will be placed on search techniques, communications, accountability/location and self-rescue procedures. Students must be in adequate physical condition to perform 100% of all practical exercises.

Fire Ground Operations Refresher

FSC 667

4 Hours Lecture-4.0hrs / Lab-0.0hrs Gear: None
Prerequisites: EBM or FF-1 or equivalent

This program will give fire department officers and senior firefighters who serve in the capacity of officers in the absence of an officer an insight into the development of good fire ground operations. Topics include: preparation, training, safety, equipment, fire ground strategy, tactics, and incident command.

Fire Ground Practices Review

FSC 171

8 Hours Lecture-6.0hrs / Lab-2.0hrs Gear: None
Prerequisites: EBM or FF-1 or equivalent

This program is designed to review with the students who will be working in and around the fire grounds. Safe and effective fire ground techniques will be stressed, along with proper use of tools and equipment. Students should possess prerequisite knowledge of fire fighting obtained through previous training and life experiences.

Fire Ground Support (ELFG)

FSC 460

48 Hours Lecture-31.0hrs / Lab-17.0hrs Gear: TOG & SCBA
Prerequisites: ELIS

The goal of this course is to introduce entry level firefighters to the basic knowledge, skills, and abilities as they relate to fireground and hazardous materials emergency scene operations. This course will introduce new firefighters to fireground operations including fire behavior, fire extinguishers, water supply, fire hose, ropes, and hazardous materials. This is the second of four courses in the curriculum.

Fire Suppression Programs

Fire Ground Tactics for Engine & Truck Operations Seminar

FSC 688

8 Hours Lecture-8.0hrs / Lab-0.0hrs Gear: None
Prerequisites: EBM or FF-1 or equivalent, ECOP, TRCO

This seminar is designed for all firefighters and company officers who deal with Engine and/or Truck Company Operations. Subjects of discussion include: SOPs, fire ground operations, size-up, fire attack, offensive and defensive operations, accountability, decision making, and strategy and tactics.

Fire Streams Refresher

FSC 673

4 Hours Lecture-4.0hrs / Lab-0.0hrs Gear: None
Prerequisites: EBM or FF-1 or equivalent

“Fire Streams” is a study concerning the actions required of fire fighters when they effectively manipulate machinery and appliances in a form that is best suited to extinguish fire. This section concentrates on the requirements that that hose line user needs to know.

Flammable Gases Review

FSC 148

3 Hours Lecture-2.0hrs / Lab-1.0hrs Gear: TOG, SCBA
Prerequisites: EBM or FF-1 or equivalent

This program is designed to review for the fire fighter the types and nature of flammable gases. It also serves to reinforce pre-existing knowledge and skills acquired by the student in previous training programs.

Flammable Liquids Review

FSC 162

3 Hours Lecture-2.0hrs / Lab-1.0hrs Gear: TOG, SCBA
Prerequisites: EBM or FF-1 or equivalent

This program is designed to review for the fire fighter the types and nature of flammable liquids. It also serves to reinforce pre-existing knowledge and skills acquired by the student in previous training programs.

Fire Suppression Programs

Forcible Entry (TFE)

FSC 700

16 Hours Lecture-12.0hrs / Lab-4.0hrs Gear: TOG, SCBA, Eye Protection
Prerequisites: EBM or FF-1 or equivalent

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

Forcible Entry Refresher

FSC 104

3 Hours Lecture-2.0hrs / Lab-1.0hrs Gear: TOG, Eye Protection
Prerequisites: EBM or FF-1 or equivalent

This program teaches the student the principles of forcible entry as it relates to the fire fighter. Students will be shown how to use a variety of forcible entry equipment. Also shown will be situations they may encounter that require the use of forcible entry.

Forcible Entry Update and Application

FSC 892

8 Hours Lecture-4.0hrs / Lab-4.0hrs Gear: TOG, Eye Protection
Prerequisites: EBM or FF-1 or equivalent

This program addresses modern security configurations that affect forcible entry efforts during emergencies. Students will learn the principles of complex forcible entry techniques as they relate to the fire/rescue ground operations. The student will demonstrate the lessons learned through skill learning stations requiring a variety of forcible entry equipment and complex situations.

Ground Ladder Refresher

FSC 147

3 Hours Lecture-2.0hrs / Lab-1.0hrs Gear: TOG
Prerequisites: EBM or FF-1 or equivalent

This course reviews fire service ground ladders. The student will be drilled in how to properly raise, lower, and apply fire service ground ladders in fire service applications.

Fire Suppression Programs

High Rise Fire Fighting (HIRI)

FSC 537

16 Hours Lecture-8.0hrs / Lab-8.0hrs Gear: TOG, SCBA
Prerequisites: EBM or FF-1 or equivalent, ECOP, TRCO, ICS

This course will provide the instruction in fighting fires in high rise buildings. The special problems encountered by the fire fighter in this type of fire are also discussed. Safe operations and the use of a tactical checklist and application of the Incident Command System are stressed.

High-Rise Packs and Stand Pipes

FSC 550

3 Hours Lecture-2.0hrs / Lab-1.0hrs Gear: TOG, SCBA
Prerequisites: EBM or FF-1 or equivalent

This program is to introduce the student to the workings of standpipe systems and High-rise packs though both visual and hands on demonstrations. This program shows the fire fighter how the two systems work together. The lessons learned in this program can be applied to other training situations.

Interior Firefighting: Live Fire Exercises (ELIF)

FSC 469

60 Hours Lecture-28.5hrs / Lab-31.5hrs Gear: TOG, SCBA
Prerequisites: 18 years of age, ELEF

The goal of this program is to introduce entry level firefighters to the basic knowledge, skills, and abilities as they relate to interior fireground operations. This course is designed to introduce new firefighters to interior fireground operation including nozzles and streams, SCBA, rescue, ventilation, fire suppression, salvage, and firefighter survival. This is the fourth of four courses in the curriculum. Live fire is not used during this program.

Interior Firefighting: No Live Fire (ELIF)

FSC 463

60 Hours Lecture-28.5hrs / Lab-31.5hrs Gear: TOG, SCBA
Prerequisites: ELEF

The goal of this program is to introduce entry level firefighters to the basic knowledge, skills, and abilities as they relate to interior fireground operations. This course is designed to introduce new firefighters to interior fireground operation including nozzles and streams, SCBA, rescue, ventilation, fire suppression, salvage, and firefighter survival. This is the fourth of four courses in the curriculum. Live fire is not used during this program.

Fire Suppression Programs

Introduction to the Fire Service (ELIS)

FSC 459

16 Hours Lecture-14.0hrs / Lab-2.0hrs Gear: TOG, SCBA
Prerequisites: None

The goal of this program is to equip entry level firefighters with basic knowledge, skills, and abilities to begin their fire service career. Through classroom sessions and practical fieldwork, the recruit/new firefighter will learn how to function safely and effectively as a support member of a fire suppression organization. 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 courses in the curriculum.

Junior Firefighter Basic Training Seminar

FSC 553

16 Hours Lecture-16.0hrs / Lab-0.0hrs Gear: TOG
Prerequisites: IST

Through classroom sessions and practical exercises, this course will give the new junior firefighter the ability to perform very basic support skills, safely and effectively as a member of a fire suppression organization. This program will cover basic fire chemistry, introduction to safety and training, hose construction and loads, personal protective clothing, basic ladder identification, ladder carries and raises, portable fire extinguishers, and basic equipment identification and application. This course does not meet or exceed the PA Essentials of Firefighting Program, and cannot be used as a prerequisite for any other program.

Ladder Company Review

FSC 183

3 Hours Lecture-2.0hrs / Lab-1.0hrs Gear: TOG
Prerequisites: TRCO

This course is designed to increase and reinforce the student's ability to recognize their duties and responsibilities while acting as a company officer or member of a ladder company crew.

Positive Pressure Ventilation Refresher

FSC 588

3 Hours Lecture-2.0hrs / Lab-1.0hrs Gear: TOG
Prerequisites: EBM or FF-1 or equivalent

This course reviews various types of ventilation with the focus on Positive Pressure Ventilation (PPV). Students will cover PPV theory and application into a structure.

Fire Suppression Programs

Propane Emergencies Awareness - PPEA

FSC 417

4.5 Hours Lecture-4.5hrs / Lab-0.0hrs Gear: None
Prerequisites: HazMat Awareness

This course has been designed for emergency response personnel, whose duties meet the OSHA definition of the awareness level of hazardous materials response. Students will learn about the basic properties and hazards of propane and will be able to take appropriate actions consistent with the limitations of the awareness level in order to protect lives and property, during an incident involving propane.

Propane Emergencies Operations - PPEO

FSC 418

8 Hours Lecture-6.0hrs / Lab-2.0hrs Gear: None
Prerequisites: EBM or FF-1 or equivalent, HazMat Operations

This course has been designed for emergency response personnel, whose duties meet the OSHA definition of the operations level of hazardous materials response. Students will learn about the basic properties and hazards of propane, containment vessel characteristics, and control strategies for the more common types of propane emergencies consistent with the limitations of the operations level.

Propane Emergencies Practical Exercises – PPPE

FSC 419

8 Hours Lecture-1.0hrs / Lab-7.0hrs Gear: TOG, SCBA
Prerequisites: EBM or FF-1 or equivalent, PPEO

This course has been designed for the student who is competent in basic fire fighting skills, such as hose line handling and SCBA, and who has a fundamental knowledge of propane/LNG and container behavior under emergency conditions. This course permits the material learned in PPEO to be applied to live-fire scenarios using props.

Fire Suppression Programs

Propane Emergencies Technician - PPET

FSC 167

24 Hours Lecture-24.0hrs / Lab-0.0hrs Gear: None
Prerequisites: HazMat Operations

This program has been designed for fire fighters, incident commanders, and related emergency response personnel (such as haz-mat team members) whose duties require a more detailed knowledge of propane and its properties. Students will learn about the basic properties and hazards of propane and liquefied petroleum gases, containment vessel characteristics, and control strategies for the both the common and more complex types of propane emergencies. Container damage assessment and incident management information is included.

Respiratory Protection I (REPR)

FSC 307

16 Hours Lecture-6.0hrs / Lab-10.0hrs Gear: TOG, SCBA
Prerequisites: EBM or FF-1 or equivalent

This course gives the student a chance to become proficient in the use of SCBA, allowing ample time to practice various skills and perform several exercises with their SCBA. This course is particularly useful as a review for experienced fire service personnel or as an introductory course for persons (such as EMS) who use SCBA in a hazardous atmosphere other than fire conditions.

Respiratory Protection II (REPA)

FSC 311

16 Hours Lecture-5.0hrs / Lab-11.0hrs Gear: TOG, SCBA
Prerequisites: EBM or FF-1 or equivalent, REPR

This advanced training will enhance the fire fighters' capabilities, build their confidence in using the apparatus and prepare them for the more complex situations that they may encounter (i.e. rapid intervention team and restrictive horizontal and vertical spaces).

Rowhome / Townhome Fire Fighting (RTFF)

FSC 853

16 Hours Lecture-16.0hrs / Lab-0.0hrs Gear: TOG, SCBA
Prerequisites: EBM or FF-1 or equivalent, ECOP, TRCO, ICS

This course will give the experienced fire fighter the necessary information needed to safely function in the suppression activities associated with rowhome and townhome fire emergencies. Topics such as fire suppression strategies and tactics, building construction concerns, and fire spread probabilities for rowhomes and townhomes are covered.

Fire Suppression Programs

Salvage and Overhaul Refresher

FSC 276

3 Hours Lecture-3.0hrs / Lab-0.0hrs Gear: TOG
Prerequisites: EBM or FF-1 or equivalent

This course will review the techniques used for preventing damage during and after a fire situation through folding and using tarps. In addition, locating and extinguishing concealed fires will be addressed with proper overhaul procedures.

SCBA Emergencies and Firefighter Self-Rescue

FSC 842

8 Hours Lecture-4.0hrs / Lab-4.0hrs Gear: SCBA
Prerequisites: EBM or FF-1 or equivalent

This program offers an extreme challenge to the experienced firefighter. SCBA failure is any firefighter's worst nightmare. This course provides the student the knowledge and skills to confidently manage the dangers and hazards associated with SCBA failure or limitations. Topics include: regulator failure, entanglement and disorientation, buddy breathing, regulator changeover, as well as, maneuvering through a challenging maze configuration. All evolutions will be conducted in live smoke conditions. The student must have prior knowledge and skills in the advanced use of SCBA to participate in this training session.

SCBA Refresher

FSC 823

3 Hours Lecture-2.0hrs / Lab-1.0hrs Gear: SCBA
Prerequisites: EBM or FF-1 or equivalent

This program gives the students who use SCBA as a first responder an opportunity to review key points in SCBA use. Participation in practical exercises will be used to test the student's skill and knowledge. .

SCBA Refresher: Response Team Member

FSC 879

2 Hours Lecture-1.0hrs / Lab-1.0hrs Gear: SCBA
Prerequisites: EBM or FF-1 or equivalent

This course provides the student the knowledge and skills to confidently manage the dangers and hazards associated with SCBA failure or limitations. Students will operate the SCBA under various simulated hazardous conditions. Topics include: use and operation of the SCBA, regulator failure & emergency operation, and maneuvering through a challenging maze configuration. All evolutions will be conducted under simulated smoke conditions. The student must have prior knowledge and skills in the advanced use of the SCBA to participate in this training session.

Fire Suppression Programs

Search and Rescue Refresher

FSC 589

3 Hours Lecture-2.0hrs / Lab-1.0hrs Gear: TOG, SCBA
Prerequisites: EBM or FF-1 or equivalent

This course reviews primary and secondary search procedures for structure during fire situations. Victim removal techniques will also be addressed. Participation in practical exercises will be used to test the student's skill and knowledge.

Sprinklers and Standpipes

FSC 538

3 Hours Lecture-2.0hrs / Lab-1.0hrs Gear: TOG
Prerequisites: EBM or FF-1 or equivalent

This course introduces the student to workings of sprinkler and standpipe systems. The firefighter will learn how these two systems work together to control a fire situation. The lessons learned can be applied to other training situations.

Store, Mall, Mercantile Fire Fighting (MIFI)

FSC 615

16 Hours Lecture-16.0hrs / Lab-0.0hrs Gear: None
Prerequisites: EBM or FF-1 or equivalent, ECOP, TRCO, ICS

This course provides instruction in the building construction of stores, malls and mercantile buildings. Fire fighting operations in stores and strip malls, as well as support operations for fire protection systems, are also presented. Tours to mercantile structures are generally included.

Structural Burn Session (SBS)

FSC 600

16 Hours Lecture-4.0hrs / Lab-12.0hrs Gear: TOG, SCBA
Prerequisites: EBM or FF-1 or equivalent

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

Fire Suppression Programs

Structural Burn – Tower

FSC 154

3 Hours Lecture-2.0hrs / Lab-1.0hrs Gear: TOG, SCBA
Prerequisites: EBM or FF-1 or equivalent

This class will review lessons learned in previous fire training exercises and reinforce safety issues and concerns that can occur in fighting fires in mid-rise buildings. Also this program will teach the student new tactics for fighting fires in a mid-rise building. Built-in fire suppression systems may also be reviewed where applicable.

** Course only offered at Bucks County Community College's Doylestown Training Facility **

Structural Burn – Traditional

FSC 157

3 Hours Lecture-2.0hrs / Lab-1.0hrs Gear: TOG, SCBA
Prerequisites: EBM or FF-1 or equivalent

This class will review lessons learned in previous fire training exercises and reinforce safety issues and concerns that can occur when fighting fires in buildings. This program will teach the student new tactics for fighting fires in a building.

** Course only offered at Bucks County Community College's Doylestown Training Facility **

Structural Suppression Refresher

FSC 312

8 Hours Lecture-4.0hrs / Lab-4.0hrs Gear: TOG, SCBA
Prerequisites: EBM or FF-1 or equivalent, SBS

Through classroom sessions and structural suppression exercises, this course gives the student the ability to enhance their fire suppression skills. The student will identify safety measures necessary to operate effectively as a member of an interior suppression team. Subjects to be covered include site safety procedures, search & rescue techniques, attack & ventilation strategies, hose line advancement, and suppression techniques through integrated exercises.

Thermal Imaging Camera Operations

FSC 843

8 Hours Lecture-4.0hrs / Lab-4.0hrs Gear: TOG, SCBA
Prerequisites: Thermal Imaging for the Fire Service

This program is designed to enhance the student's understanding of thermal imaging technology. Various operation and application strategies will be presented in this program. The student will understand technology limitations, thermal imaging “generation changes”, instructional challenges, as well as technological advancements in the field of thermal imaging.

Fire Suppression Programs

Thermal Imaging Cameras Seminar

FSC 863

3 Hours Lecture-3.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This program is designed to enhance the student's understanding of thermal imaging technology. Various operation and application strategies will be presented in this program. The student will understand technology limitations, thermal imaging "generation changes", instructional challenges, as well as technological advancements in the field of thermal imaging.

Thermal Imaging for the Fire Service

FSC 603

16 Hours Lecture-12.0hrs / Lab-4.0hrs Gear: TOG, SCBA
Prerequisites: EBM or FF-1 or equivalent, SBS

This program will provide the knowledge needed to properly interpret an image produced by a thermal imager. Topics discussed will be how to search a building with a thermal imager, what pitfalls to avoid. Different types of technologies, how they work, advantages and disadvantages. Whether your department owns a thermal imager or is considering the purchase of one this program has something for every member.

Truck Company Operations at High Rise Fires

FSC 837

16 Hours Lecture-8.0hrs / Lab-8.0hrs Gear: TOG, SCBA
Prerequisites: EBM or FF-1 or equivalent, TRCO

Truck Companies, regardless of whether they arrive on an aerial device, squad, or engine, are the "combat engineers" of fire attack operations at high-rise fires. This course, for experienced firefighters, will introduce the student to advanced truck company operations and duties. Topics include: organizing the delivery of truck company services, selection and use of key tools, advanced ventilation for high-rise structures, forcible entry theory and practices, large, multi-floor search and rescue techniques, and resource management for high-rise structures.

Truck Company Operations I (TRCO)

FSC 209

16 Hours Lecture-12.0hrs / Lab-4.0hrs Gear: TOG, SCBA
Prerequisites: EBM or FF-1 or equivalent

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.

Fire Suppression Programs

Truck Company Operations II (ATRC)

FSC 208

16 Hours Lecture-4.0hrs / Lab-12.0hrs Gear: TOG, SCBA
Prerequisites: TRCO

This course is designed for the fire fighter to apply and refine his/her knowledge of truck company operations. Topics include: vehicle placement, forcible entry, search and rescue, aerial operations, building construction, fire travel, and ventilation.

Vehicle Fires and Other Emergencies (VFOE)

FSC 308

16 Hours Lecture-10.0hrs / Lab-6.0hrs Gear: TOG, SCBA, Eye Protection
Prerequisites: EBM or FF-1 or equivalent

This course will inform the student of the hazards encountered at vehicle fires and other emergencies. Proper strategy and tactics are covered as well as the charges that have occurred in vehicle design that have an effect on the way vehicle fires must be handled to ensure safety of responders and the public. Hands-on training will allow the student an opportunity to practice vehicle fire fighting tactics.

Vehicle Fires Practical

FSC 152

3 Hours Lecture-2.0hrs / Lab-1.0hrs Gear: TOG, SCBA
Prerequisites: EBM or FF-1 or equivalent, VFOE

This program is designed to teach the student how to size –up and effectively control and extinguish a fire in a passenger vehicle. Vehicle design, fuel systems and safety systems often impact the fire, these in turn affect the fire fighter, and this program will teach the fire fighter how safely conduct fire fighting techniques with the emphasis placed on fire fighter safety.

Ventilation Practical Refresher

FSC 442

3 Hours Lecture-2.0hrs / Lab-1.0hrs Gear: TOG, SCBA
Prerequisites: EBM or FF-1 or equivalent

This class will review lessons learned in previous fire training exercises and reinforce safety issues and concerns that can occur when ventilating buildings. This program will teach the student new tactics for ventilating fires in a building.

Fire Suppression Programs

Ventilation Practices

FSC 310

16 Hours Lecture-8.0hrs / Lab-8.0hrs Gear: TOG, SCBA
Prerequisites: EBM or FF-1 or equivalent

This course will cover what ventilation is, why we do it, and how to obtain proper ventilation. Horizontal and vertical ventilation will be discussed along with the methods including natural and mechanical. Positive pressure ventilation will be introduced and demonstrated. Ventilation as a defensive operation will also be talked about including trench cutting. The course will have the students involved in hands-on exercises performing the skills listed on a mock roof and ventilating a building mechanically that is charged by a Roscoe machine.

Water Application Seminar

FSC 831

8 Hours Lecture-4.0hrs / Lab-4.0hrs Gear: TOG
Prerequisites: EBM or FF-1 or equivalent

Through classroom sessions and practical fieldwork, this course will provide the student with a comprehensive understanding of water applications and supply needs. This course will demonstrate the advantages and disadvantages of the various attack strategies and suppression considerations for structure fires. Topics include: attack methods, extinguishing properties, fire streams, and water supply needs for various caliber handlines.

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Hazardous Materials Programs

Air Monitoring Instrumentation

FSC 363

3 Hours Lecture-2.0hrs / Lab-1.0hrs Gear: None
Prerequisites: HazMat Operations

This course provides the student with the basic knowledge to accurately evaluate air quality during emergency incidents. This course will cover the facts and myths associated with air monitoring procedures. Subjects to be covered include identification of the various IDLH atmospheres, procedures for the selection and operation of air monitoring equipment, equipment decontamination procedures, data interpretation and management, and integrated monitoring exercises.

Basic Life Support Response to HazMat Incident (BLS:HMR)

FSC 749

16 Hours Lecture-16.0hrs / Lab-0.0hrs Gear: EMS TOG, SCBA or APR or PAPR
Prerequisites: HazMat Awareness

This course will assist the participant in understanding and complying with federal regulations and national recommendations concerning emergency medical response to hazardous materials incidents. Topics include: problem of hazardous materials, PPE, decontamination procedures, and toxicology.

Bomb Threats and Improvised Devices

FSC 196

4 Hours Lecture-4.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This course provides emergency service personnel with information on the hazards associated with various explosive devices that could cause death and injury. Additionally, this course provides a basic understanding regarding Improvised Explosive Devices (IEDs).

Carbon Monoxide Detector Response (CORE)

FSC 502

3 Hours Lecture-3.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This course prepares students to effectively and safely respond to these common emergencies. Covered are the hazards of carbon monoxide, typical carbon monoxide sources in residential occupancies, carbon monoxide detector design, fire service monitoring equipment, and suggested response and investigation procedures.

Hazardous Materials Programs

Chlorine “A” and “B” Containment Kit Operation

FSC 364

3 Hours Lecture-2.0hrs / Lab-1.0hrs Gear: None
Prerequisites: HazMat Technician

Though classroom sessions and application exercises, this course reviews the procedures for the preparation and application of chlorine “A” & “B” containment kits. Topics include equipment identification, container information, PPE selection, air quality monitoring and application of equipment though simulated, integrated exercises.

Chlorine Emergencies Awareness

FSC 360

3 Hours Lecture-3.0hrs / Lab-0.0hrs Gear: None
Prerequisites: HazMat Operations

This course reviews the safety concerns and response procedures for emergency response personnel. The course will cover the toxicology concerns for operating safely during a chlorine emergency. In addition, this course covers the various types of containers that responders may encounter.

Clandestine Drug Laboratory – Operations Level

FSC 847

8 Hours Lecture-8.0hrs / Lab-0.0hrs Gear: None
Prerequisites: 18 years of age, EBM or FF-1 or equivalent

This program addresses the safety considerations for emergency response actions for clandestine drug labs. This course brings to light the inherent dangers and exposure conditions often associated with these clandestine processes. This program will leave the student with a comprehensive overview of best practices defensive response actions in order to maintain responder safety. Subjects to be covered include lab indicators, establishing work zones, decontamination techniques and procedures, associated hazards, and a basic understanding of lab types and their associated safety issues.

Hazardous Materials Programs

Clandestine Laboratory Awareness for First Responders

FSC 827

3 Hours Lecture-3.0hrs / Lab-0.0hrs Gear: None
Prerequisites: 18 years of age

This program is designed to provide First Responders with the basic recognition and identification skills for clandestine laboratories and the dangers associated with the chemicals used to manufacture illegal drugs. The topics of discussion will include personnel safety when operating at these locations, hazardous materials and wastes produced and required interaction with law enforcement. Participants must be current members of a recognized First Responder agency.

Container and Vessel Identification

FSC 353

3 Hours Lecture-3.0hrs / Lab-0.0hrs Gear: None
Prerequisites: HazMat Operations

This course reviews the various vessels commonly associated with the storage and transportation of hazardous materials. Safety considerations as well as product classification are included in this program.

Decontamination Practices

FSC 774

8 Hours Lecture-4.0hrs / Lab-4.0hrs Gear: TOG, SCBA
Prerequisites: HazMat Operations

This program is designed to develop proficiencies when working with hazardous material and WMD emergencies to assist HazMat teams and Strike teams at the operations level. This will be done through drills in setting up zones, identifying material and its properties, and identifying levels of protective clothing necessary. Drills in proper types of decontamination will be included.

Decontamination Review

FSC 361

3 Hours Lecture-2.0hrs / Lab-1.0hrs Gear: None
Prerequisites: HazMat Operations

This course reinforces the students' knowledge of decontamination procedures at a hazmat emergency. The course is for the hazmat operations level responder who will be involved in the on-scene or ER emergency decontamination activities. Topics include: gross decontamination, emergency decontamination, multiple patient decontamination, cross contamination prevention, and containment procedures.

Hazardous Materials Programs

Emergency Response Guide Book Training (ERGB)

FSC 820

3 Hours Lecture-3.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This program covers the proper use of the emergency response guidebook for first responders. This course will review each section of the book and identify the proper procedures for data interpretation and utilizing information tables. Evacuation distances, polymers, unknown substance procedures, and material identification will also be covered in this course.

Emergency Response to Ammonia and Chlorine Incidents

FSC 757

16 Hours Lecture-16.0hrs / Lab-0.0hrs Gear: None
Prerequisites: HazMat Operations

Students will learn the hazards associated with ammonia and chlorine releases. This course will cover protection measures designed to control the impact of exposure to life and property. Emphasis is placed on personal protective equipment, instrumentation, and scene management.

Emergency Response to Terrorism: Basic Concepts (ERT:BC) - NFA

FSC 747

16 Hours Lecture-11.5hrs / Lab-4.5hrs Gear: None
Prerequisites: HazMat Operations

This course is designed to provide students with a general understanding and recognition of terrorism, defensive considerations (biological, nuclear, incendiary, chemical and explosive), as well as command and control issues associated with criminal incidents. When an incident occurs, the student will be able to recognize and implement self-protection measures, secure the scene, complete appropriate notification to local, state and federal authorities, and assist in completing a smooth transition from emergency to recovery and termination operations.

Hazardous Materials Programs

Emergency Response to Terrorism: Tactical Considerations; Company Officer (ERT:TC;CO) - NFA

FSC 753

16 Hours Lecture-16.0hrs / Lab-0.0hrs Gear: None
Prerequisites: ERT:BC or ERT:SS or TODP

This course is designed for the first on-the-scene supervisor. Students will be able to identify outward warning signs or indicators of terrorism, anticipate unusual response circumstances, assess information, take corrective actions, and determine strategies for surviving these hazardous conditions. Students will be expected to apply their knowledge about response to identify and preserve evidence, manage site safety, document the event, and debrief personnel.

Emergency Response to Terrorism: Tactical Considerations; EMS (ERT:TC;EMS) - NFA

FSC 754

16 Hours Lecture-16.0hrs / Lab-0.0hrs Gear: None
Prerequisites: ERT:BC or ERT:SS or TODP

This course is designed for the first on-the-scene EMS personnel with the responsibility to render patient care to victims of terrorist incidents. Secondly, this two day course is designed to cover the needs of response personnel, who would be career and volunteer firefighters, EMS, industrial contractors, allied health personnel, or members of the military or other government agencies.

Emergency Response to Terrorism: Tactical Considerations; Hazardous Materials (ERT:TC;HM) - NFA

FSC 755

16 Hours Lecture-16.0hrs / Lab-0.0hrs Gear: None
Prerequisites: ERT:BC or ERT:SS or TODP and HazMat Technician in accordance with OSHA
29 CFR 1910.120(q) / 40 CFR 311

This course is designed for the first on-the-scene career or volunteer hazmat technician or persons with hazmat 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. The students will understand how to identify and preserve evidence, manage the site safety, mitigate the incident, document the event, and debrief personnel.

Hazardous
Materials

Hazardous Materials Programs

Flammable Liquids Fire Fighting (FLBU)

FSC 725

16 Hours Lecture-10.0hrs / Lab-6.0hrs Gear: TOG, SCBA
Prerequisites: EBM or FF-1 or equivalent, HazMat Operations

This course will introduce the student to basic fire chemistry, characteristics of flammable liquids, parameters of combustion, and extinguishment techniques using dry chemical, water, and foam on live flammable liquid fires.

Foam Fire Fighting Basic (NFFB) – National Foam

FSC 507

7 Hours Lecture-3.5hrs / Lab-3.5hrs Gear: TOG
Prerequisites: EBM or FF-1 or equivalent

This course, developed by National Foam, introduces the fire fighting first responder to basic information on the use of foam as a flammable liquid fire suppression agent. Topics covered include: foam terminology, concentration, solution, line proportioning equipment, application techniques and hands-on application of foam.

Foam Fire Fighting Review

FSC 666

4 Hours Lecture-3.0hrs / Lab-1.0hrs Gear: None
Prerequisites: EBM or FF-1 or equivalent

This course will introduce students to basic information concerning the use of foam as a flammable liquid fire extinguishing agent. This module is targeted at the first responder who will be faced with the task of fire suppression.

Foam Fire Fighting Technician (NFFT) – National Foam

FSC 508

16 Hours Lecture-12.5hrs / Lab-3.5hrs Gear: TOG
Prerequisites: EBM or FF-1 or equivalent, NFFB

This course, developed by National Foam, is designed for the student whose duties require a more extensive knowledge of foam and its properties than that offered by the shorter *Foam Fire Fighting Basic (NFFB)*. Students will receive information on correctly selecting the proper foam concentration based on the hazard, as well as foam terminology, application rates and techniques, proportioning equipment, discharge devices, and troubleshooting.

Hazardous Materials Programs

Hazard Communications: HAZCOM

FSC 834

2 Hours Lecture-2.0hrs / Lab-0.0hrs Gear: None
Prerequisites: HazMat Operations

This course will provide the student with a basic understanding of the CFR 1910.1200 Hazard Communications standard. The student will identify various hazards associated in the workplace, during transportation, and during transfer operations. In addition, various forms of site specific signs, symbols, and devices will be identified and discussed. This program is a recognitions level program designed for the protection of employees from workplace.

Hazardous Materials Awareness (RIHM) - NFA

FSC 114

4 Hours Lecture-4.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This course will provide instruction in the basic skills of identifying hazardous material problems in a community. The student will learn to recognize the presence of hazardous materials and identify hazardous materials, as well as learn the associated hazard characteristics.

Hazardous Materials Awareness Level Annual Refresher Training (HMAR) FSC 738

2.0 Hours Lecture-2.0hrs / Lab-0.0hrs Gear: None
Prerequisites: HazMat Awareness

This course will provide the student with a basic review of skills needed to identify hazardous materials problems, recognize the presence of hazardous materials, and identify hazardous materials and their associated dangers.

Hazardous Materials Decontamination Procedures

FSC 722

8 Hours Lecture-6.0hrs / Lab-2.0hrs Gear: TOG, SCBA
Prerequisites: HazMat Operations

The course is designed to teach fire fighters and EMS personnel effective techniques for the decontamination of response personnel and victims exposed to released chemicals. The course will provide basic information on contaminated patient handling, decontamination station setup, recommended decontamination procedures, the selection and donning of the PPE used for decontamination, and termination procedures for safe breakdown of the station.

Hazardous Materials Programs

Hazardous Materials Defensive Practices (HMDP)

FSC 117

16 Hours Lecture-7.0hrs / Lab-9.0hrs Gear: TOG, SCBA
Prerequisites: HazMat Operations

This course is designed to improve safety and effectiveness of response actions to hazardous materials emergencies. Topics covered includes: basic knowledge of planning, incident response management processes, identifying level of protective clothing necessary, defensive strategies and tactics, and hands-on drills using many items commonly available or easily accessible to fire personnel during emergency operations.

Hazardous Materials Operations Level

FSC 472

24 Hours Lecture-16.0hrs / Lab-8.0hrs Gear: TOG, SCBA
Prerequisites: 16 years of age, HazMat Awareness

The goal of this program is to provide the First Responder with the training needed to comply 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. This program is designed to give the first responder the necessary skills to handle hazardous materials emergencies. After successfully completing this course you would be eligible to take the national certification testing for national certification in Hazardous Materials Operations Level.

Hazardous Materials Operations Certification Preparation

FSC 964

4 Hours Lecture-3.0hrs / Lab-1.0hrs Gear: None
Prerequisites: HazMat Operations

This program is designed to prepare the student to test for the NFPA 472 Standard for Hazardous Materials at the Operations Level. In this program the student will learn the job performance requirements for Hazardous Materials Operations Level and the practical skills required for successful completion.

Hazardous Materials Operations Level Annual Refresher Training FSC 737

6 Hours Lecture-2.0hrs / Lab-4.0hrs Gear: None
Prerequisites: HazMat Operations

This course will allow a hazardous material emergency responder at the First Responder Operations Level to receive refresher training as required annually by federal regulation.

Hazardous Materials Programs

Hazardous Materials Personal Protective Equipment Review

FSC 362

3 Hours Lecture-2.0hrs / Lab-1.0hrs Gear: None
Prerequisites: HazMat Operations

This course will review the procedures for the selection and application of personal protective equipment used during hazardous materials responses. Topics include: hazard identification, personal protective equipment pre-use and post-use inspection, donning and doffing procedures, garment limitations, and special hazard considerations.

Hazardous Materials Response for EMS Personnel

FSC 918

20 Hours Lecture-8.0hrs / Lab-12.0hrs Gear: None
Prerequisites: EMT-B or EMT-P, HazMat Awareness

This course will review the procedures for the selection and application of personal protective equipment used during hazardous materials responses. Topics include: hazard identification, personal protective equipment pre-use and post-use inspection, donning and doffing procedures, garment limitations, and special hazard considerations.

Hazardous Materials Safety Officer

FSC 971

24 Hours Lecture-24.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This course is designed to enable Law Enforcement personnel with the skills to function effectively as a safety officer within the incident command structure, hazardous materials incidents, investigations, inspections, warrant services, and other related activities. Additional topics of discussion will include safety laws and regulations, risk analysis and management, wellness, critical incident stress, accident investigation, and occupational safety issues relating to law enforcement and investigations.

Hazardous Materials Technician

FSC 772

80 Hours Lecture-48.0hrs / Lab-32.0hrs Gear: CPC, SCBA, Helmet (non-fire) with chin strap
Prerequisites: HazMat Operations

This course will give the student the ability to function safely and effectively in an area exposed to hazardous materials. Subjects to be covered include site safety procedures, personal protective equipment, containment techniques, atmospheric monitoring, hazcating, decontamination procedures, incident management systems, and integrated exercises.

Hazardous Materials Programs

Hazardous Materials Technician Refresher

FSC 781

16 Hours Lecture-8.0hrs / Lab-8.0hrs

Gear: CPC, SCBA, Helmet (non-fire) with chin strap

Prerequisites: HazMat Technician

This course will review site safety procedures, personal protective equipment, containment techniques, decontamination procedures, and incident management systems. In addition, the course will reinforce to the student how to function safely in an area exposed to hazardous materials.

HM126F – Safe Handling of Hazardous Materials

FSC 144

4 Hours Lecture-3.0hrs / Lab-1.0hrs

Gear: None

Prerequisites: None

This course educates employers and employees on the handling and storage of hazardous materials in the workplace. This course presents proper handling techniques, on-site resource management, and an emergency operations plan, along with specific duties and responsibilities in the event of a release.

Incident Response to Terrorist Bombings – Awareness Level

FSC 668

4 Hours Lecture-4.0hrs / Lab-0.0hrs

Gear: None

Prerequisites: HazMat Operations

This is an awareness level course designed to provide the student with basic information concerning explosive and incendiary devices that could be used as terrorist weapons. The course is comprised of classroom presentations designed to familiarize the student with commercial and military explosives, improvised explosive devices (IEDs) and appropriate response procedures. Specific departmental/agency policies will also be discussed to ensure that you comply with local requirements. The course contains five (5) modules that will be presented over a four (4) hour period.

Initial Response to Hazardous Materials Incidents – Basic Concepts - NFA – IRHMI:BC

FSC 150

16 Hours Lecture-12.0hrs / Lab-4.0hrs

Gear: None

Prerequisites: None

This course is designed to give the first responder at a hazardous materials incident basic concepts and techniques for appropriate behavior before, during, and after the incident. Topics include regulations and standards, personal safety, toxicology, site management and scene set-up, and decontamination.

Hazardous Materials Programs

Initial Response to Hazardous Materials Incidents – Concepts FSC 151 **Implementation – NFA – IRHMI:CI**

16 Hours Lecture-12.0hrs / Lab-4.0hrs Gear: None
Prerequisites: IRHMI:BC, ICS, FHSP

Designed for the first responder, this course builds on the concepts presented in the prerequisite (IRHMI:BC) by means of general application of concepts in an operations context. Topics include: information gathering, estimating potential course and harms, strategic goals, and assessing technical options.

Liquefied Petroleum Gas and Natural Gas Emergencies – LPGE FSC504

16 Hours Lecture-8.0hrs / Lab-8.0hrs Gear: TOG, SCBA
Prerequisites: EBM or FF-1 or equivalent, HazMat Operations

This course is designed to cover the properties and characteristics of LPG and LNG emergencies involving fires and/or leaks. Practical exercises provide instruction in controlling live fires.

Mass Decontamination: NEERT FSC967

8 Hours Lecture-4.0hrs / Lab-4.0hrs Gear: TOG, SCBA
Prerequisites: HazMat Operations

Through classroom sessions and practical fieldwork, this course develops proficiencies necessary for effective decontamination of emergency and non-emergency personnel. This program will provide the student with the required knowledge and skills to establish a Tier I & II Decon Line in accordance with *Northeast Emergency Response Group (NEPA-ERG) Field Operations Guide (FOG) for Mass Decon, August 23, 2004 edition*. The student will identify the roles of the Decon Strike Team (DST) and Decon Task Force (DTF) in accordance with local protocol and the Northeast Pennsylvania Emergency Response Group (NEPA-ERG). Through integrated exercises, the student will utilize response equipment and identify the proper stages of decontamination. This program designed to meet the requirements of the NE Pennsylvania Emergency Response Group.

Hazardous Materials Programs

Natural Gas / Propane / Carbon Monoxide Seminar

FSC856

3 Hours Lecture-3.0hrs / Lab-0.0hrs Gear: None
Prerequisites: IST

This course discusses properties of these three gases. In addition, this course covers the health risks to first responders. Topics include hazard control, physical and chemical properties, and monitoring devices and techniques used during the management of these incidents. (BCCC Certificates)

On-Line Hazardous Materials Awareness

FSC762

4 Hours Lecture-3.0hrs / Lab-1.0hrs Gear: Internet Access
Prerequisites: None

This is a non-credit online training program for emergency service personnel. This program will provide the student with skills and knowledge objectives of the awareness level responder according to the NFPA 472. This is a self passed program taken at the student's convenience.

On-Line Hazardous Materials Awareness Level Annual Refresher FSC763

2 Hours Lecture-2.0hrs / Lab-0.0hrs Gear: Internet Access
Prerequisites: HazMat Awareness

This is a non-credit online training program for emergency service personnel who have completed hazardous materials awareness program and need the annual refresher. This is a self passed program taken at the student's convenience.

Orientation for Railroad Emergencies

FSC131

8 Hours Lecture-8.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This course is designed to introduce in to the different type of railroad emergencies and how to safely begin to assess the situation. Through the use of integrated exercises course will also assist the emergency responder in identifying the different types of rail cars and the properties of the products they carry. This program will deal exclusively with freight hauling rail cars.

Hazardous Materials Programs

Railcar Emergencies – RCEM

FSC 806

8 Hours Lecture-6.0hrs / Lab-2.0hrs Gear: None
Prerequisites: HazMat Operations

This course provides participants with a basic understanding of the construction of railcars, the anatomy of railcars, and the various type of vessel used on today's railways. The course will cover the classes of railcars, various valve configurations, and safety components used on railcars.

Site Specific: CPC & Respiratory Protection

FSC 624

8 Hours Lecture-6.0hrs / Lab-2.0hrs Gear: None
Prerequisites: None

This course will review site specific procedures for selection and application of Chemical Protective Clothing (CPC) and respiratory protection to be used during chemical, radiological, and biological emergencies. Donning and doffing of protective equipment will be practiced in simulated scenarios.

Spill and Leak Control

FSC 107

8 Hours Lecture-6.0hrs / Lab-2.0hrs Gear: TOG, SCBA
Prerequisites: HazMat Operations

Through classroom sessions and practical fieldwork, this course will give the student the ability to function safely and effectively in an area exposed to hazardous materials spills as they relate to their workplace. After successful completion, the student will train in accordance with 29 CFR 1910.120 and NFPA 472. Subjects to be covered include personal protective equipment, Containment equipment and techniques, decontamination and integrated exercises.

Spill and Leak Control Refresher

FSC 105

4 Hours Lecture-3.0hrs / Lab-1.0hrs Gear: TOG, SCBA
Prerequisites: HazMat Operations

Through classroom sessions and practical fieldwork, this course will teach the student how to function safely and effectively in an area exposed to a hazardous materials release in the workplace. After successful completion, the student will be trained in accordance with 29 CFR 1910.120 and NFPA 472. Subjects to be covered include personal protective equipment, containment equipment and techniques, decontamination principles and integrated exercises.

Hazardous Materials Programs

Terrorism Awareness Domestic Preparedness – TADP

FSC 751

4 Hours Lecture-4.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This course is designed to enable emergency responders to be aware of the potential threat posed by terrorists using weapons of mass destruction in urban, rural, and suburban locations. The potential impact on first responders is addressed in this course.

Terrorism Operations Domestic Preparedness – TODP

FSC 752

8 Hours Lecture-8.0hrs / Lab-0.0hrs Gear: None
Prerequisites: TADP

This course is designed to enable emergency responders to be aware of the actions to be taken at the operations level during terrorism incidents using weapons of mass destruction. This course is designed to build upon the knowledge base gained in the prerequisite by preparing the student to select the appropriate response actions.

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Industry Programs

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Industry Programs

APRs, Personal Protective Equipment, and Fit Testing

FSC 598

2 Hours Lecture-1.5hrs / Lab-0.5hrs Gear: None
Prerequisites: None

This program is designed to teach industrial employees the importance of wearing Air Purifying Respirators (APRs), Personal Protective Equipment (PPE), and Hearing Protection Devices (HPD) as related to the chemical industry. At the end of the program the students who qualify will be fit-tested with the appropriate APRs as related to their workplace.

Community and Worker Right-to-Know (RTKN)

FSC 549

4 Hours Lecture-3.0hrs / Lab-1.0hrs Gear: None
Prerequisites: None

This course is designed to meet the annual training requirement of Section 8 of the Pennsylvania Worker and Community Right-To-Know Act. The course provides an overview of the act as it applies to public sector employees, emphasizing the use and importance of labeling and understanding the Material Safety Data Sheets (MSDS). The course identifies the role, responsibilities, and functions of the employee.

Employee Fire Safety: Child Care Facilities

FSC 803

2.5 Hours Lecture-1.5hrs / Lab-1.0hrs Gear: None
Prerequisites: None

This course covers the use and application of fire extinguishers found in the home and work place. The students will understand the use, selection, and handling of portable fire extinguishers. This course is designed for the employee with limited training in fire extinguishment. Topics include: fire classes, fire triangle, agent selection, fire extinguisher use (PASS), evacuation, emergency procedures, and prevention efforts.

Employee Fire Safety: Extinguisher Refresher

FSC 543

2 Hours Lecture-1.0hrs / Lab-1.0hrs Gear: Work Clothes, Gloves, Eye Protection
Prerequisites: None

This course provides a review of the fire safety practices in the home and work place. The use and handling of portable fire extinguishers is covered.

Industry Programs

Employee Safety and Extinguisher Training (ISET)

FSC 545

3 Hours Lecture-2.0hrs / Lab-1.0hrs Gear: Work Clothes, Gloves, Eye Protection
Prerequisites: None

This course may be used to train new employees in their fire safety responsibilities or to refresh current employees in those same duties. Topics covered will include evacuation, extinguisher selection and use, and basic fire prevention information. Hands-on extinguisher use is part of this course.

Fire Care for the Elderly

FSC 805

3 Hours Lecture-3.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

Designed especially for older citizens, this program focuses on fire safety procedures that take into account the varying degrees of diminished physical abilities of the elderly.

Fire Operations at Personal Care and Nursing Facilities

FSC 943

3 Hours Lecture-3.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This program provides an overview of Pennsylvania Department of Health and Pennsylvania Department of Public Welfare regulations with regard to fire and life safety at Personal Care and Nursing Facilities. Additionally, as a result of unique challenges of fire and evacuation at these types of facilities, strategies and tactics will also be reviewed. Topics of discussion include: Regulations; Types of Occupancies; Building Features; Coordination with Facility Personnel; Patient/Resident Training; Hospital Incident Command System; fire operations; and evacuation.

Fire Safety for Child Care Facilities

FSC 407

1.5 Hours Lecture-1.5hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This program is presented in three lessons. The first lesson will enhance the student's understanding of the importance of fire safety in childcare facilities. The second lesson covers evacuation and accountability considerations regarding childcare facilities. The third lesson covers the types, uses, and methods for placing an extinguisher into service.

Industry

Industry Programs

Fire Safety Seminar

FSC 495

1 Hours Lecture-1.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This program is presented in two parts. The first part is designed to enhance the student's understanding of the importance of fire safety in the home and workplace. The second section covers the types, uses, and methods of placing into service of fire extinguishers.

Forklift Safety Training

FSC 297

3 Hours Lecture-3.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This course is designed to review the safety and operational aspects of operating industrial powered trucks in the work environment. OSHA regulations related to forklift safety will be covered in this program. This course will review topics such as jobsite area inspection, authorization requirements, forklift types, hazard analysis, and pre-operational. This course placed emphasis upon the review of the application OSHA regulations.

Group Home Fire Safety & Portable Fire Extinguishers

FSC 542

3 Hours Lecture-2.0hrs / Lab-1.0hrs Gear: None
Prerequisites: None

This course reviews fire safety practices in the home and workplace. Topics include the use and handling of portable fire extinguishers, as a well as a review of policies and procedures for group homes.

Hazardous Materials Technician "HAZWOPER"

FSC 648

40 Hours Lecture-24.0hrs / Lab-16.0hrs Gear: TOG, SCBA
Prerequisites: HazMat Operation

This course provides the knowledge and skill objective to operate safely and effectively at the technician level to the OSHA Standard. Topics include: site safety, ICS, command and control, resource management, hazmat basic chemistry, decontamination, containment procedures, instrumentation, toxicology, medical surveillance, documentation, tactical benchmarking, and terminating the incident. The course meets the intent of 29 CFR 1910.120.

Industry

Industry Programs

Hazardous Materials Technician Refresher Site Specific

FSC 540

8 Hours Lecture-4.0hrs / Lab-4.0hrs Gear: None
Prerequisites: HM-Tech Site Specific

This course will reinforce with the student the knowledge and skill objectives needed to function safely and effectively in an area exposed to hazardous materials, at the technician level. Subjects to be covered include personal protective equipment, containment techniques, decontamination procedures, incident management systems, and integrated exercises.

Hazardous Materials Technician Site Specific - 24 hrs

FSC 578

24 Hours Lecture-16.0hrs / Lab-8.0hrs Gear: None
Prerequisites: None

This course will give the student the ability to function safely and effectively in an area exposed to hazardous materials. Subjects to be covered include site safety procedures, personal protective equipment, containment techniques, decontamination procedures, incident management systems, and integrated exercises.

Hospital Emergency Incident Command System Awareness

FSC 884

2 Hours Lecture-2.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This is an introduction to the Hospital Emergency Incident Command System (HEICS) providing rationale for a hospital application during an emergency incident. The course will focus on an overview of responses to disaster, command structure, program attributes, and implementation of the system.

Hospital Emergency Incident Command System Operations

FSC 885

6 Hours Lecture-4.0hrs / Lab-2.0hrs Gear: None
Prerequisites: None

This is a basic course to introduce the student to the Hospital Emergency Incident Command System (HEICS) and to provide rationale for hospital application during and emergency incident. The course will focus on response to disaster, command structure, program attitudes, and implementation of the system.

Industry

Industry Programs

Industrial Fire Brigade: Basic (IFBB)

FSC 640

8 Hours Lecture-3.0hrs / Lab-5.0hrs

Gear: Work Clothes, Leather Gloves, Eye Protection

Prerequisites: None

The audience for this course consists of those persons who have been assigned fire safety duties by their employer up to and including those specified for Incipient Fire Brigade by OSHA's Fire Brigade Regulations. The course covers the chemistry of fire, hoses and nozzles, fire streams, portable fire extinguishers, automatic systems, and live fire fighting exercises on incipient level fires with extinguishers and small hose streams. The program also reviews fire prevention activities.

Industrial Fire Brigade: Comprehensive (IFBC)

FSC 644

24 Hours Lecture-8.0hrs / Lab-16.0hrs

Gear: TOG, SCBA

Prerequisites: IST

The industrial fire brigade member is instructed in the skills necessary to function as a member of an interior structural fire brigade as defined by OSHA's Fire Brigade Regulations. Topics include: pre-emergency planning, hose line advancement, forcible entry, rescue, automatic sprinkler systems, extinguisher selection and use, respiratory protection, personal protective equipment, and salvage practices. Practical application of these skills in a "hands-on" manner is provided.

Industrial Fire Brigade: Extended (IFBX)

FSC 642

16 Hours Lecture-5.0hrs / Lab-11.0hrs

Gear: TOG, SCBA

Prerequisites: IST

This course covers or refreshes all items covered in the Basic Fire Brigade Training program, plus self-contained breathing apparatus, ropes and knots, ladders, search and rescue practices, and interior structural fire fighting exercises.

Industry Programs

Industrial Fire Suppression Refresher

FSC 692

8 Hours Lecture-4.0hrs / Lab-4.0hrs Gear: None
Prerequisites: None

This course gives the student the ability to enhance their fire suppression skills and knowledge. The student will identify tactics, resource needs and safety measures necessary to operate effectively as a member of an industrial suppression team. Subjects to be covered include site safety procedures, attack and ventilation strategies, hose line advancement and control, and suppression techniques for structures and special hazard situations. The students will participate in integrated exercises involving live fire scenarios.

Industrial Hazardous Materials Operations Level Refresher

FSC 173

8 Hours Lecture-5.0hrs / Lab-3.0hrs Gear: TOG, SCBA
Prerequisites: HazMat Operations

Through classroom sessions and practical fieldwork, this course will give the student the ability to function safely and effectively in an area exposed to hazardous materials, at the operations level. After successful completion, the student will receive certification at the operations level in accordance with 29 CFR 1910.120 and NFPA 472. Subjects to be covered include personal protective equipment, containment techniques, decontamination procedures, incident management system, toxicology, and integrated exercises.

Industrial Respiratory Protection

FSC 556

3 Hours Lecture-2.0hrs / Lab-1.0hrs Gear: SCBA
Prerequisites: None

This program is to introduce the student to the issues of respiratory protection the student will also learn the types of atmospheres that require respiratory protection. This program meets the intents of OSHA 29 CFR 1910.134 concerning respiratory protection.

Industry Programs

OSHA Safety & Regulatory Training (10 hour)

FSC 959

10 Hours Lecture-10.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

Through classroom sessions and integrated exercises, this ten-hour industrial safety & regulatory course will give the student the ability to function safely and effectively in the workplace. Through integrated exercises, the student will apply the cognitive lessons of the program. The course is designed to meet the intent of safety & regulatory laws and standards. Topics covered include: Lockout/Tagout; electrical hazards; Hazard communications; confined space safety; hearing conservation; shoe safety; PPE; fall protection; eye protection; forklift safety. This program is designed to follow the OSHA Regulations found in the Code of Federal Regulations.

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Professional Certification

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Professional Certification

Aircraft Rescue and Fire Fighting (ARFF) – NFPA 1003

FSC 797

40 Hours Lecture-30.0hrs / Lab-10.0hrs Gear: TOG, SCBA

Prerequisites: Fire Fighter 2 National Certification, Hazardous Materials Operations National Certification

This course provides the instruction which will contribute to the student's knowledge of basic fire fighting and rescue principles, airport features, aircraft identification, airfield markings, personal safety and practical skills necessary for the student to effectively operate rescue and fire fighting equipment. (National Certification)

Confined Space Rescue Technician – NFPA 1006

FSC 172

24 Hours Lecture-12.0hrs / Lab-12.0hrs Helmet, work shoes, leather gloves

Prerequisites: General Requirements for Rescue Technician

This program is designed to enhance the student's ability to perform critical skill sets in the field of technical rescue for confined space rescue. During this course, students will review technical rescue theories, techniques, and challenges to accurately and safely execute the skill sets required for professional certification. Topics include: scene management, mechanical advantage systems, rope management, anchor systems, rescue knots, size-up considerations, hazard control, permit & non-permit required confined space areas, OSHA and NFPA applicable standards and laws, and patient care. This course is designed for the experienced rescuer with a strong working knowledge of technical rescue in accordance with NFPA 1006 and 1670. (National Certification)

Driver Operator - Aerial Device Certification Challenge – NFPA 1002

FSC 788

19.5 Hours Lecture-3.5hrs / Lab-16.0hrs Gear: TOG

Prerequisites: Fire Fighter 1 National Certification, Aerial Training, EVOC or equivalent, Current Motor Vehicle License

This course will evaluate students on the skills and knowledge required as well as the ability to function safely and effectively as a Driver Operator. Subjects to be covered include: leadership, human resources, administration, emergency service delivery management, instructing in the emergency services, safety, inspection, and investigation. (National Certification)

Professional Certification

Driver Operator - Aircraft Rescue and Fire Fighting Apparatus – FSC 825 NFPA 1002

40 Hours Lecture-20.0hrs / Lab-20.0hrs Gear: TOG

Prerequisites: Fire Fighter 2 National Certification, ARFF National Certification, EVOC or equivalent, Current Motor Vehicle License

This program is designed to train the student to the NFPA 1002 Standard for Driver/Operators for ARFF Vehicles. In this program the student will learn ARFF Vehicle placement, Airport Terminology, Basic Airfield Safety, pump operations, safe and defensive driving skills and the legal obligations of being a driver/operator. At the completion of this program the student will receive certification if they successfully pass both a written and skills based testing. (National Certification)

Driver Operator – Mobile Water Supply Apparatus – NFPA 1002 FSC 898

40 Hours Lecture-20.0hrs / Lab-20.0hrs Gear: TOG

Prerequisites: Fire Fighter 1 National Certification, Driver Operator Pumper National Certification, EVOC or equivalent, Current Motor Vehicle License

This course provides the basic foundation for safe operation of a mobile water supply apparatus through examination of hydraulics, folding tank operations, dumping operations, pumping operations, emergency vehicle operation, inspection procedures, and driver evaluation. Topics of discussion will include placement, maneuvering, deployment of apparatus, dump valve operation, pre and post inspection techniques, drafting, pumping, and maintenance. Successful completion of this program is dependent upon practical skills demonstration. (National Certification)

Driver Operator – Mobile Water Supply Apparatus Certification FSC 524 Challenge – NFPA 1002

16.0 Hours Lecture-1.0hrs / Lab-15.0hrs Gear: TOG

Prerequisites: Fire Fighter 1 National Certification, Driver Operator Pumper National Certification, Mobile Water Supply Training, EVOC or equivalent, Current Motor Vehicle License

This program is for certification testing in accordance with NFPA 1002 Driver Operator Mobile Water Supply Apparatus. Candidates will complete the JPR's in accordance with the standard. (National Certification)

Professional Certification

Driver Operator - Pumper Certification – NFPA 1002

FSC 275

56 Hours Lecture-26.0hrs / Lab-30.0hrs Gear: TOG
Prerequisites: Fire Fighter 1 National Certification, EVOC or equivalent, Current Motor Vehicle License

Through classroom sessions and practical fieldwork, this course will provide the student with the knowledge and skills required for driver operators in accordance with NFPA 1002. This course will take the new driver/operator through the basic pump components and operational procedures to the advanced levels of apparatus preventive maintenance considerations and application of multiple water streams, master stream appliances and friction loss calculations. This course is designed for the experienced firefighter who is expected to drive and operate first line attack and supply engines. (National Certification)

Driver Operator - Pumper Certification Challenge – NFPA 1002

FSC 787

19.5 Hours Lecture-3.5hrs / Lab-16.0hrs Gear: TOG
Prerequisites: Fire Fighter 1 National Certification, Pump Training, Apparatus Preventive Maintenance training, EVOC or equivalent, Current Motor Vehicle License

This course will evaluate students on the skills and knowledge needed as well as the ability to function safely and effectively as a Driver Operator. Subjects to be covered include: leadership, human resources, administration, emergency service delivery management, instructing in the emergency services, safety, inspection, and investigation. (National Certification)

Fire Company Officer I - NFPA 1021

FSC 645

40 Hours Lecture-40.0hrs / Lab-0.0hrs Gear: Laptop Computer Recommended
Prerequisites: Fire Fighter 2 National Certification, Fire Service Instructor 1 National Certification

This course will provide the student with a basic knowledge of management principles in a fire/rescue organization. Topics of discussion will include management style, communication modes, leadership, organizational structure, pre-planning, health and safety, and legal aspects for a fire officer. Successful completion of the program requires proficiency demonstration in written practical skills and a multiple choice examination. (National Certification)

Professional Certification

Fire Company Officer II - NFPA 1021

FSC 646

40 Hours Lecture-40.0hrs / Lab-0.0hrs Gear: Laptop Computer Recommended
Prerequisites: Fire Company Officer 1 National Certification, Fire Service Instructor 1 National Certification

This course continues to reinforce the job performance requirements of Fire Company Officer I program, while examining critical issues in leadership, human resources, instructing, community interaction, and finances. Topics will include basic investigation techniques, operational plans, and communicating in the written medium. Successful completion of the program requires proficiency demonstration in written practical skills and a multiple choice examination. (National Certification)

Fire Company Officer III - NFPA 1021

FSC 647

40 Hours Lecture-40.0hrs / Lab-0.0hrs Gear: Laptop Computer Recommended
Prerequisites: Fire Company Officer 2 National Certification, Fire Service Instructor 2 National Certification

This course continues to reinforce the job performance requirements of Fire Company Officer II; however, begins the progression to an administrative level officer. Critical elements that will be presented include hiring, promotions, injury prevention, recordkeeping, budget administration, and planning. All skill elements are of the written medium and expected to be produced at a college level. There is no written examination. (National Certification)

Fire Company Officer IV - NFPA 1021

FSC 444

40 Hours Lecture-40.0hrs / Lab-0.0hrs Gear: Laptop Computer Recommended
Prerequisites: Fire Company Officer 3 National Certification, Fire Service Instructor 2 National Certification

This course is the highest currently attainable in the officer series and continues the progression of an administrative level officer. Critical elements examined in this program focus on personnel development, long range planning, disaster planning, incentive programs, grievance, employee assistance, and risk management. All skill elements are of the written medium and expected to be produced at a college level. There is no written examination. (National Certification)

Professional Certification

Fire Department Safety Officer – Health and Safety Officer Challenge – NFPA 1521 **FSC-1002**

8 Hours Lecture-7.0hrs / Lab-1.0hrs Gear: Laptop Computer Recommended
Prerequisites: Fire Company Officer 1 National Certification, Health and Safety Officer

The Safety officer's responsibilities fall into two clear cut categories: those associated with responding at the incident scene, and those associated with managing the day to day affairs of the department. The Health Safety Officer (HSO) course is focused on the daily aspects and the role the Safety Officer plays as part of the Administrative Staff of a Department. The target audience is Company Officers (CO) who are experienced in firefighter safety issues and are familiar with an NFPA 1500, hazardous materials management, and related emergency operations. The program provides the student with the decision-making process and skills required to recognize unsafe acts and conditions and take appropriate corrective actions and develop policies and procedures to reduce the risk of injuries and illness among department personnel. (National Certification)

Fire Department Safety Officer – Incident Safety Officer Challenge – NFPA 1521 **FSC-1003**

4 Hours Lecture-3.5hrs / Lab-0.5hrs Gear: None
Prerequisites: Fire Company Officer 1 National Certification, Incident Safety Officer

The Safety officer's responsibilities fall into two clear cut categories: those associated with responding at the incident scene, and those associated with managing the day to day affairs of the department. The Incident Safety Officer (ISO) course is focused on the incident and the role the Safety Officer plays as part of the Command Staff. The target audience is Company Officers (CO) who are experienced in firefighter safety issues and are familiar with an Incident Command System, hazardous materials management, and related emergency operations. The program provides the student with the decision-making process and skills required to recognize unsafe acts and conditions and take appropriate corrective actions. (National Certification)

Professional Certification

Fire Fighter I Practical Skills Challenge - NFPA 1001

FSC 479

8 Hours Lecture-0.0hrs / Lab-8.0hrs Gear: TOG, SCBA
Prerequisites: 18 years of age, Basic Fire Fighter Training that meets the intent of NFPA 1001 (EBM or ELIF or Bucks Basic Fire Academy), Current First Aid card or higher level of EMS Provider, Current CPR card, Hazardous Materials Operation (NFPA 472-2002) or Hazardous Materials Operational Core Competencies, Personal Protective Equipment Mission Specific Competencies, and Product Control Mission Specific Competencies (NFPA 472-2008) National Certification

Practical evaluations are intended to measure the manipulative skills of the Fire Fighter 1 and will follow guidelines set forth in accordance with the policies and procedures of the Bucks County Community College. The agency is capable of testing 100% of the practical objectives; however, the examination will only test a randomly pre-selected 50% of the total Fire Fighter 1 skills. A score of 100% shall constitute a passing grade for the candidate. All practical evaluations will be in accordance with NFPA 1001 Standard for Firefighter Professional Qualifications, to Fire Fighter 1 level. (National Certification)

**** This program will be in conjunction with the Written Examination Challenge ****

Fire Fighter I Written Examination Challenge - NFPA 1001

FSC 483

4 Hours Lecture-0.0hrs / Lab-4.0hrs Gear: None
Prerequisites: 18 years of age, Basic Fire Fighter Training that meets the intent of NFPA 1001 (EBM or ELIF or Bucks Basic Fire Academy), Current First Aid card or higher level of EMS Provider, Current CPR card, Hazardous Materials Operation (NFPA 472-2002) or Hazardous Materials Operational Core Competencies, Personal Protective Equipment Mission Specific Competencies, and Product Control Mission Specific Competencies (NFPA 472-2008) National Certification

The written examination measures the cognitive skills of the Fire Fighter 1 and will follow guidelines set forth in accordance with the policies and procedures of the Bucks County Community College. The examination will be randomly generated and consist of one hundred (100) questions. Candidates will have a maximum of 2 hour and 30 minutes to complete the examination. A score of 70% or above shall constitute a passing grade for the candidate. All written examinations will be in accordance with NFPA 1001 Standard for Firefighter Professional Qualifications, to Fire Fighter 1 level. (National Certification)

**** This program will be in conjunction with the Practical Skills Challenge ****

Professional Certification

Fire Fighter II Practical Skills Challenge - NFPA 1001

FSC 482

8 Hours Lecture-0.0hrs / Lab-8.0hrs Gear: TOG, SCBA
Prerequisites: 18 years of age, Fire Fighter I National Certification, Hazardous Materials Operation (NFPA 472-2002) or Hazardous Materials Operational Core Competencies, Personal Protective Equipment Mission Specific Competencies, and Product Control Mission Specific Competencies (NFPA 472-2008) National Certification

Practical evaluations are intended to measure the manipulative skills of the Fire Fighter 2 and will follow guidelines set forth in accordance with the policies and procedures of the Bucks County Community College. The agency is capable of testing 100% of the practical objectives; however, the examination will only test a randomly pre-selected 50% of the total Fire Fighter 2 skills. A score of 100% shall constitute a passing grade for the candidate. All practical evaluations will be in accordance with NFPA 1001 Standard for Firefighter Professional Qualifications, to Fire Fighter 2 level. (National Certification)

**** This program will be in conjunction with the Written Examination Challenge ****

Fire Fighter II Written Examination Challenge - NFPA 1001

FSC 480

4 Hours Lecture-0.0hrs / Lab-4.0hrs Gear: None
Prerequisites: 18 years of age, Fire Fighter I National Certification, Hazardous Materials Operation (NFPA 472-2002) or Hazardous Materials Operational Core Competencies, Personal Protective Equipment Mission Specific Competencies, and Product Control Mission Specific Competencies (NFPA 472-2008) National Certification

The written examination measures the cognitive skills of the Fire Fighter 2 and will follow guidelines set forth in accordance with the policies and procedures of the Bucks County Community College. The examination will be randomly generated and consist of one hundred (100) questions. Candidates will have a maximum of 2 hour and 30 minutes to complete the examination. A score of 70% or above shall constitute a passing grade for the candidate. All written examinations will be in accordance with NFPA 1001 Standard for Firefighter Professional Qualifications, to Fire Fighter 2 level. (National Certification)

**** This program will be in conjunction with the Practical Skills Challenge ****

Professional Certification

Fire Inspector I - NFPA 1031

FSC 617

40 Hours Lecture-40.0hrs / Lab-0.0hrs

Gear: Laptop Computer Recommended

Prerequisites: Hazardous Materials Awareness National Certification, General knowledge of Fire Safety

This is an entry level course for fire fighters or new inspectors wanting to be a fire prevention inspector. Topics covered in this course include: Building construction, decorative materials and furnishings, fire drills, inspection procedures, code enforcement, fire alarm systems, and communications. Successful completion of this program requires practical skill demonstration and a written, multiple choice examination. The Fire Inspector I course requires students have a high degree of motivation, as significant work is required outside of the classroom. (National Certification)

Fire Inspector II - NFPA 1031

FSC 662

40 Hours Lecture-40.0hrs / Lab-0.0hrs

Gear: Laptop Computer Recommended

Prerequisites: Fire Inspector 1 National Certification

This is an advanced level course for experienced fire fighters or inspectors. Topics covered in this course include: Report Writing, Forms Development, Policy Planning, Legislation Planning, Building construction, decorative materials and furnishings, fire drills, inspection procedures, code enforcement, fire alarm systems, and communications. Successful completion of this program requires practical skill demonstration and a written, multiple choice examination. The Fire Inspector II course requires students have a high degree of motivation, as significant work is required outside of the classroom. (National Certification)

Fire Inspector III - NFPA 1031

FSC 433

40 Hours Lecture-40.0hrs / Lab-0.0hrs

Gear: Laptop Computer Recommended

Prerequisites: Fire Inspector 2 National Certification

This course advances the Fire Inspector II into the topics of Plans Review, Report Writing, Forms Development, Policy Planning, Legislation Planning, Building construction, decorative materials and furnishings, fire drills, inspection procedures, code enforcement, fire alarm systems, and communications. Successful completion of this program requires practical skill demonstration and a written, multiple choice examination. The Fire Inspector III course requires students have a high degree of motivation, as significant work is required outside of the classroom. (National Certification)

Professional Certification

Fire Investigator – NFPA 1033

FSC 793

80 Hours Lecture-60.0hrs / Lab-20.0hrs Gear: Laptop Computer Recommended and Camera Recommended

Prerequisites: High School Diploma/GED, Resume*, Hazardous Materials Awareness National Certification, Building Construction knowledge (NFA courses recommended), Basic Electrical Safety knowledge, State Police Background Check**

This course is designed for fire investigators, police officers, and company-level officers with a desire to learn more about determining the origin and cause of fire. Students should be prepared for an intense week of training and practical skills application. Topics covered include: determining the point of origin, burn patterns, evidence collection and analysis, interviewing techniques, and court procedure and testifying. (National Certification)

**Resume must show beyond entry level experience and fire investigation experience, 5 years in a Fire Suppression Organization or Law Enforcement Agency.*

***Student is responsible for getting there State Police Background check prior to the first day of class, checks can not be more than one (1) year old.*

Fire Service Instructor I – NFPA 1041

FSC 656

40 Hours Lecture-40.0hrs / Lab-0.0hrs Gear: Laptop Computer Recommended

Prerequisites: None

This course establishes the foundation for delivery of training programs within the emergency services spectrum. Emphasis is placed on professional delivery, organization, and methodologies of teaching. Students will develop lesson plans, curriculum presentations, and evaluation tools. Successful completion of the program is dependent upon practical skill demonstration, including a presentation, and a multiple choice written examination. (National Certification)

Fire Service Instructor II - NFPA 1041

FSC 188

40 Hours Lecture-40.0hrs / Lab-0.0hrs Gear: Laptop Computer Recommended

Prerequisites: Fire Service Instructor 1 National Certification

This course establishes the foundation for delivery of training programs within the emergency services spectrum. Emphasis is placed on professional delivery, organization, and methodologies of teaching. Students will develop lesson plans, curriculum presentations, and evaluation tools. Successful completion of the program is dependent upon practical skill demonstration, including a presentation, and a multiple choice written examination. (National Certification)

Professional Certification

Fire Service Instructor III - NFPA 1041

FSC 655

56 Hours Lecture-56.0hrs / Lab-0.0hrs Gear: Laptop Computer Recommended
Prerequisites: Fire Service Instructor 2 National Certification

This course establishes the foundation of an administrative level fire instructor. Students will examine critical issues facing emergency service educational administrators regarding leadership, human resources, administration, management, and course delivery. Topics will include management of instructional personnel, recordkeeping, program design, and program evaluation. Successful completion of this program is dependent upon practical skill demonstration in a written format. (National Certification)

General Requirements for Rescue Technician – NFPA 1006

FSC 450

48 Hours Lecture-32.0hrs / Lab-16.0hrs Gear: Helmet, work shoes, leather gloves
Prerequisites: 18 years of age, Hazardous Materials Awareness National Certification, Non-expired CPR, Non-expired First Aid (or higher level of EMS Provider)

This program is designed to enhance the student's ability to perform critical skill sets to meet the intent of NFPA 1006 General Requirements in the field of technical rescue. During this course, students will review technical rescue theories, techniques, and challenges to accurately and safely execute the skill sets required for professional certification. Topics include: scene management, mechanical advantage systems, rope management, anchor systems, rescue knots, technical rescue equipment identification and application, size-up considerations, hazard control, landing zones for aero medical evacuations, basic patient care and packaging, triage criteria and techniques, and applicable OSHA and NFPA laws and standards. This course is designed for the experienced rescuer with a strong working knowledge of technical rescue in accordance with NFPA 1006 and 1670. The course is designed to prepare the rescuer for professional certification testing (written and skills) in accordance with 1006 General Requirements.

Professional Certification

General Requirements and Confined Space Rescue Technician – **FSC 769** NFPA 1006

64 Hours Lecture-28hrs / Lab-36hrs Helmet, work shoes, leather gloves, 20' rope
Prerequisites: General Requirements for Rescue Technician

This program is designed to enhance the student's ability to perform critical skill sets in the field of technical rescue core and confined space rescue. During this course, students will review technical rescue theories, techniques, and challenges to accurately and safely execute the skill sets required for professional certification. Topics include: scene management, mechanical advantage systems, rope management, anchor systems, rescue knots, size-up considerations, hazard control, permit & non-permit required confined space areas, OSHA and NFPA applicable standards and laws, and patient care. This course is designed for the experienced rescuer with a strong working knowledge of technical rescue in accordance with NFPA 1006 and 1670. (National Certification)

Hazardous Materials Awareness Level Challenge – NFPA 472 **FSC 917**

2 Hours Lecture-0.5hrs / Lab-1.5hrs Gear: None
Prerequisites: HazMat Awareness

This program is designed to test the student's skills through a written exam with the use of the DOT Emergency Response Guide so they will receive National Certification upon successful completion of the minimum requirements. All testing is based on current NFPA 472 Hazardous Materials Awareness. Students should possess prerequisite knowledge of hazardous materials obtained through previous training and real-life experiences. (National Certification)

Hazardous Materials Incident Commander – NFPA 472 **FSC 795**

40 Hours Lecture-24.0hrs / Lab-16.0hrs Gear: Laptop Computer Recommended
Prerequisites: Hazardous Materials Operations National Certification

This course establishes the foundation of commanding offensive operations at the scene of a hazardous materials incident. Students will examine critical issues including regulatory controls, equipment selection, risk management, site control, incident management, and documentation. Topics of discussion will include, Incident Command System, decision making, planning, response strategies, Chlorine Kit use, decontamination, atmospheric monitoring. Successful completion of this program is dependent upon practical skills demonstration and a written, multiple choice examination. (National Certification)

Professional Certification

Hazardous Materials Operational Level Practical Skills Challenge **FSC 103** – NFPA 472

8 Hours Lecture-1.0hrs / Lab-7.0hrs Gear: TOG, SCBA

Prerequisites: Hazardous Materials Awareness National Certification, Hazardous Materials Operations

Practical evaluations are intended to measure the manipulative skills of the Hazardous Materials Operational level and will follow guidelines set forth in accordance with the policies and procedures of the Bucks County Community College. The agency will test 100% of the practical objectives of the Hazardous Materials Operational level skills. A score of 100% shall constitute a passing grade for the candidate. All practical evaluations will be in accordance with NFPA 472 Standard for Hazardous Materials Professional Qualifications, to Hazardous Materials Operational level being tested. (National Certification)

***** This program will be in conjunction with the Written Examination Challenge *****

Hazardous Materials Operational Written Examination Challenge **FSC 978** – NFPA 472

4 Hours Lecture-0.0hrs / Lab-4.0hrs Gear: None

Prerequisites: Hazardous Materials Awareness National Certification, Hazardous Materials Operations

The written examination measures the cognitive skills of the Hazardous Materials Operational level and will follow guidelines set forth in accordance with the policies and procedures of the Bucks County Community College. The examination will be randomly generated and consist of fifty (50) to one hundred (100) questions depending on the Mission Specific testing. Candidates will have a maximum of 2 hour and 30 minutes to complete the examination. A score of 70% or above shall constitute a passing grade for the candidate. All written examinations will be in accordance with NFPA 472 Standard for Hazardous Materials Professional Qualifications, to Hazardous Materials Operational level being tested. (National Certification)

***** This program will be in conjunction with the Practical Skills Challenge *****

Professional Certification

Hazardous Materials Technician Challenge – NFPA 472

FSC 485

19.5 Hours Lecture-0.0hrs / Lab-19.5hrs Gear: CPC, SCBA
Prerequisites: 18 years of age, Hazardous Materials Operations National Certification,
Hazardous Materials Technician

This program consists of a written test and practical skills stations. The testing meets the intent of 29 CFR 1910.120 and NFPA 472. Subjects to be tested include ICS, command and control, resource management, hazmat basic chemistry, decon, containment procedures, instrumentation, toxicology, medical surveillance, documentation, tactical benchmarking, and terminating the incident. (National Certification)

Plans Examiner I – NFPA 1031

FSC 601

40 Hours Lecture-40.0hrs / Lab-0.0hrs Gear: Laptop Computer Recommended
Prerequisites: 18 years of age, Fire Inspector 1 Recommended

This course is designed to provide an overview of the Plans Review process for fire inspectors or plans examiners. The topics of discussion include: plans review; preparation of correspondence and plan review reports; communication with fire inspectors and emergency response personnel; handling of complaints; maintenance of records; participation in legal proceedings; identification of when additional expertise is required; local jurisdiction proceedings; and alternative methods. (National Certification)

Public Fire and Life Safety Educator I – NFPA 1035

FSC 794

40 Hours Lecture-40.0hrs / Lab-0.0hrs Gear: Laptop Computer Recommended
Prerequisites: 18 years of age, General Knowledge of Fire Safety, Life Safety

This course is designed to provide the public educator with the knowledge and skills needed to successfully perform as a fire and life safety educator as addressed in NFPA 1035. For those who practice the multidiscipline profession of fire and life safety educator (including uniformed fire service personnel and other professionals), topics include fire behavior, community assessment, injury prevention and juvenile fire-setting. The student will also develop presentation skills and learn how to formulate public education programs. (National Certification)

Professional Certification

Public Fire and Life Safety Educator II – NFPA 1035

FSC 848

40 Hours Lecture-40.0hrs / Lab-0.0hrs Gear: Laptop Computer Recommended
Prerequisites: Public Fire and Life Safety Educator 2 National Certification

This course is designed to provide the public educator with the advanced knowledge and skills needed to successfully perform as a fire and life safety educator as addressed in NFPA 1035. For those who practice the multidiscipline profession of fire and life safety educator (including uniformed fire service personnel and other professionals), topics include: planning; local political process; leadership; applied learning theory; statistical analysis methods; resource identification and acquisition; networking; partnership, and coalition strategies; evaluation techniques; budget preparation and management; and performing needs assessments. The student will also develop presentation skills and learn how to formulate public education programs. (National Certification)

Public Safety Telecommunicator 1 & 2 – NFPA 1061

FSC 878

40 Hours Lecture-40.0hrs / Lab-0.0hrs Gear: None
Prerequisites: 18 years of age, basic skills in reading, spelling, speech, mathematics, basic language, written communication, and listening

This course provides the student with the basic information necessary to acquire information from citizens and other entities requesting public safety services or assistance and to acquire information from multiple sources requiring public safety services or assistance. These sources can include other telecommunicators, field units, or electronic devices. The program is based on the National Fire Protection Association professional qualifications established in NFPA 1061. (National Certification)

Professional Certification

Rope Rescue Technician – NFPA 1006

FSC 451

56 Hours Lecture-32hrs / Lab-24hrs

Gear: Helmet with chin strap, Work Clothes,
Leather gloves

Prerequisites: General Requirements for Rescue Technician

This program is designed to enhance the student's ability to perform critical skill sets to meet the intent of NFPA 1006 Rope Rescue in the field of technical rescue. During this course, students will review rope rescue systems, application theories, and high angle challenges to accurately and safely execute the skill sets required for professional certification. Topics include: rescue incident management, technical vs. non-technical rescue considerations, rescue strategies and tactics, resource management, access and removal considerations, hazard identification and control, rope management, ascending and descending systems, rope rescue equipment identification and application, patient removal techniques and selection criteria, basic patient care, packaging, and removal, basic and advanced anchor systems, and applicable OSHA and NFPA laws and standards. This course is designed for the experienced rescuer with a strong working knowledge of technical rescue in accordance with NFPA 1006 and 1670. The course is designed to prepare the rescuer for professional certification testing (written and skills) in accordance with NFPA 1006 Rope Rescue. (National Certification)

Structural Collapse Rescue Technician – NFPA 1006

FSC 453

64 Hours Lecture-32hrs / Lab-32hrs

Gear: Helmet with chin strap, Work Clothes,
Leather gloves

Prerequisites: General Requirements for Rescue Technician

This program is designed to enhance the student's ability to perform critical skill sets to meet the intent of NFPA 1006 Structural Collapse Rescue in the field of technical rescue. During this course, students will review collapse extrication theories, shoring techniques, and challenges to accurately and safely execute the skill sets required for professional certification. Topics include: rescue incident management, collapse types and building construction considerations, extrication strategies and tactics, resource management, stabilization and shoring systems, hazard identification and control, atmospheric monitoring and ventilation methods, search & rescue techniques, collapse equipment identification and application, patient removal methods and selection criteria, basic patient care, packaging, and removal, basic and advanced shoring techniques, and applicable OSHA and NFPA laws and standards. This course is designed for the experienced rescuer with a strong working knowledge of technical rescue in accordance with NFPA 1006 and 1670. The course is designed to prepare the rescuer for professional certification testing (written and skills) in accordance with NFPA 1006 Structural Collapse. (National Certification)

Professional Certification

Trench Rescue Technician – NFPA 1006

FSC 457

48 Hours Lecture-32hrs / Lab-16hrs Gear: Helmet with chin strap, Work Clothes,
Leather gloves

Prerequisites: General Requirements for Rescue Technician

This program is designed to enhance the student's ability to perform critical skill sets to meet the intent of NFPA 1006 Trench Rescue in the field of technical rescue. During this course, students will review trench extrication theories, shoring techniques, and challenges to accurately and safely execute the skill sets required for professional certification. Topics include: rescue incident management, trench configuration and soil types, extrication strategies and tactics, resource management, stabilization and shoring systems, hazard identification and control, shoring panel construction, technical rescue equipment identification and application, patient removal methods and selection criteria, basic patient care, packaging, and removal, basic and advanced shoring techniques, and applicable OSHA and NFPA laws and standards. This course is designed for the experienced rescuer with a strong working knowledge of technical rescue in accordance with NFPA 1006 and 1670. The course is designed to prepare the rescuer for professional certification testing (written and skills) in accordance with NFPA 1006 Trench Rescue. (National Certification)

Vehicle and Machinery Rescue Technician – NFPA 1006

FSC 452

64 Hours Lecture-32hrs / Lab-32hrs Gear: Helmet with chin strap, Work Clothes,
Leather gloves

Prerequisites: General Requirements for Rescue Technician

This program is designed to enhance the student's ability to perform critical skill sets to meet the intent of NFPA 1006 Vehicle & Machinery in the field of technical rescue. During this course, students will review vehicle and machinery extrication theories, techniques, and challenges to accurately and safely execute the skill sets required for professional certification. Topics include: rescue incident management, machinery types, extrication strategies and tactics, resource management, stabilization systems, hazard identification and control, basic rescue knots, hitches, and bends, technical rescue equipment identification and application, extrication tools, methods, and selection criteria, basic patient care, packaging, and lifting and moving, basic and advanced extrication techniques, and applicable OSHA and NFPA laws and standards. This course is designed for the experienced rescuer with a strong working knowledge of technical rescue in accordance with NFPA 1006 and 1670. The course is designed to prepare the rescuer for professional certification testing (written and skills) in accordance with NFPA 1006 Vehicle & Machinery. (National Certification)

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Rescue Programs

Airbag Implications

FSC 316

4 Hours Lecture-4.0hrs / Lab-0.0hrs Gear: None
Prerequisites: EMT/FR or FF

This module covers the procedures and safety concerns to assist emergency response personnel operating in or around an automobile accident with entrapment. This course focuses on supplemental restraint safety consideration, operational procedures, securing the systems, and responder safety actions. This course is designed to maintain safety for all on-scene personnel and victims during extrication procedures.

Aircraft Crash Rescue: Short Course (ACFR)

FSC 335

16 Hours Lecture-12.0hrs / Lab-4.0hrs Gear: TOG, SCBA
Prerequisites: EBM or FF-1 or equivalent

Designed for the experienced municipal/volunteer fire fighter, this course will deal with those conditions that make an aircraft incident different from the normal fire incident, and demonstrate effective ways of dealing with such an incident using typical municipal fire department resources.

Basic Rigging for Rope Rescue (ROBR)

FSC 341

16 Hours Lecture-4.0hrs / Lab-12.0hrs Gear: ****See Below****
Prerequisites: 16 years of age, IST

Participants in this course will be introduced to rope, rope hardware, patient packing, 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.

*****Students will need the following equipment: helmet with chin strap (fire, construction or climbing helmet), eye protection (such as safety glasses- **HELMET FACE SHIELDS ARE NOT ACCEPTABLE**), clean leather gloves, work or hiking boots that provide support, **NO SNEAKERS**, outdoor work clothing appropriate for weather conditions and water bottle or other suitable device for storing liquids in the field. Students may bring additional personal or department owned equipment, but all such equipment will be subject to inspection prior to use. **FIRE FIGHTER TURN-OUT GEAR IS NOT ACCEPTABLE FOR THIS CLASS. Student will also need a 15 foot section of rope and 15 foot piece of 1 inch tubular webbing for knot practice.*******

Rescue Programs

Basic Vehicle Rescue: Awareness (BVRA)

FSC 178

16 Hours Lecture-8.0hrs / Lab-8.0hrs Gear: TOG, Eye Protection
Prerequisites: 16 years of age, IST

This module contains all materials necessary to meet the needs of fire, rescue, and ambulance services currently providing vehicle rescue operations on our highways. While not teaching patient care, this program will provide those rescue personnel with a basic knowledge to assist rescue personnel with basic procedures. In addition, vehicle anatomy, scene control, hazard control, and procedures for assisting extrication teams are covered in this course.

Basic Vehicle Rescue: Operations (BVRO)

FSC 177

16 Hours Lecture-8.0hrs / Lab-8.0hrs Gear: TOG, Eye Protection
Prerequisites: 16 years of age, BVRA

This module is intended for those responders that have already completed the awareness level course. This course teaches the student the use of hand tools as they relate to vehicle extrication and how to quickly and safely access and package patients for removal of damaged vehicles.

Basic Vehicle Rescue: Technician (BVRT)

FSC 179

16 Hours Lecture-8.0hrs / Lab-8.0hrs Gear: TOG, Eye Protection
Prerequisites: 18 years of age, BVRA & BVRO within 18 months

This module is intended for those responders that have already completed the awareness and operation level courses. This course teaches the student the use of power tools, disentanglement procedures, stabilization hazards, and extrication procedures to maintain rescue ground safety. A certification exam is required as part of this course. (PA-DOH Certificate)

****Requires 2 additional hours outside of the 16 hours for the written examination****

Basic Vehicle Rescue Refresher

FSC 158

3 Hours Lecture-2.0hrs / Lab-1.0hrs Gear: TOG, Eye Protection
Prerequisites: 18 years of age

This module contains all materials necessary to meet the needs of fire, rescue, and ambulance services currently providing for vehicle rescue operations on our highways. The Vehicle Rescue Training Module places emphasis upon the reinforcement of knowledge and skills to be used by rescue personnel to achieve a safe and efficient vehicle rescue operation.

Rescue Programs

Bus Rescue (BRES)

FSC 238

16 Hours Lecture-8.0hrs / Lab-8.0hrs Gear: TOG, Eye Protection
Prerequisites: DHVR or BVRT

Students in this course will be able to define the scope to which buses are used daily, understand the different types of construction used to make buses, and learn to gain access, extricate, and stabilize as required.

Cave Rescue: Basic Orientation (CARE)

FSC 332

16 Hours Lecture-8.0hrs / Lab-8.0hrs Gear: ****See Below****
Prerequisites: IST

Students in this course will be introduced to the basic principles of cave rescue and to the basic equipment used to implement cave rescues. Students will be trained in cave environment and cave safety, communications, initial in-cave actions, hypothermia and its treatment, basic litter tie-ins, and basic litter handling skills. Much of the program is hands-on and time is allotted for practice in the form of a mock rescue. This course deals primarily with horizontal rescue situations.

**** Students will need the following equipment: helmet with chin strap (fire, construction or climbing helmet), three independent light sources (at least one of which must be helmet mounted), eye protection (such as safety glasses, HELMET FACE SHIELDS ARE NOT ACCEPTABLE), leather palm gloves, work or hiking boots which provide support, NO SNEAKERS, outdoor work (rugged) clothing appropriate for temperatures in the 50's in the cave, a personal cave pack suitable for carrying personal supplies underground, a water bottle or other suitable device for storing liquids and food and 2 large heavy duty garbage bags. Students may bring additional personal or department owned equipment, but all such equipment will be subject to inspection prior to use. FIRE FIGHTER TURN-OUT GEAR IS NOT ACCEPTABLE FOR THE CLASS. ****

Civilian & Firefighter Rescue Procedures

FSC 838

16 Hours Lecture-8.0hrs / Lab-8.0hrs Gear: None
Prerequisites: None

This program provides students with basic and advanced procedures for searching and removing civilian victims and trapped or downed firefighters from a building under fire conditions. Topics covered include: fire condition and hazard recognition, search and rescue strategies, specialized search and rescue techniques, problems associated with trapped or injured victims, and risk assessment strategies for search and rescue operations.

Rescue Programs

Confined Space Entry Refresher

FSC 536

2 Hours Lecture-1.0hrs / Lab-1.0hrs Gear: None

Prerequisites: Confined Space Entry

Through classroom sessions and discussion of theory, this course will give the student the ability to function safely and effectively as a member of a rescue team, operating at the scene of a confined space emergency. The subjects to be covered include safety procedures, definitions, rigging techniques, rescue techniques, and practical application through integrated exercises. This program is designed to follow the OSHA Regulation 29 CFR 1910.146.

Confined Space Rescue (CSR)

FSC 324

16 Hours Lecture-8.0hrs / Lab-8.0hrs Gear: ****See Below****

Prerequisites: RORE and REPR or DHBR

Students will learn plans of operation, tools, labor resources, 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.

**** Students will need the following equipment: helmet with chin strap (fire, construction or climbing helmet), eye protection (such as safety glasses), leather gloves, work or hiking boots which provide support, NO SNEAKERS, knee pads if possible, outdoor work clothing or coveralls appropriate for weather conditions and SCBA (positive-pressure type only). FIRE FIGHTER TURN-OUT GEAR IS NOT ACCEPTABLE FOR THIS CLASS.****

Confined Space Rescue Refresher

FSC 314

8 Hours Lecture-4.0hrs / Lab-4.0hrs Gear: ****See Below****

Prerequisites: RORE and REPR or DHBR

Through classroom sessions and practical fieldwork, this course will give the student the ability to function safely and effectively as a member of a rescue team, operating at the scene of a confined space emergency. The subjects to be covered include safety procedures, definitions, rigging techniques, rescue techniques, and practical application through integrated exercises. This program is designed to follow the OSHA Regulation 29 CFR 1910.146.

**** Students will need the following equipment: helmet with chin strap (fire, construction or climbing helmet), eye protection (such as safety glasses), leather gloves, work or hiking boots which provide support, NO SNEAKERS, knee pads if possible, outdoor work clothing or coveralls appropriate for weather conditions and SCBA (positive-pressure type only). FIRE FIGHTER TURN-OUT GEAR IS NOT ACCEPTABLE FOR THIS CLASS.****

Rescue Programs

Elevator and Escalator Rescue Emergencies

FSC 572

16 Hours Lecture-8.0hrs / Lab-8.0hrs Gear: TOG
Prerequisites: 18 years of age

This course is intended for the technician level rescuer to give them the ability to function accurately, safely, and effectively during rescue incidents involving this mode of transportation. Topics include: hazard assessment and size-up, resource management considerations, equipment identification, types of emergency responses, patient considerations, extrication procedures, crush syndrome, lockout/tagout procedures, pre-incident planning, and application of techniques and equipment through simulated, integrated exercises.

Elevator Rescue Awareness

FSC 595

4 Hours Lecture-4.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This course provides fire and rescue personnel with the ability to function accurately, safely, and effectively during rescue incidents involving this mode of public transportation. Topics include: pre-incident planning, hazard assessment and size-up, resource considerations, equipment identification, and lockout/tagout procedures.

Farm Rescue (FARR)

FSC 620

16 Hours Lecture-12.0hrs / Lab-4.0hrs Gear: TOG, Work Clothes, Eye Protection
Prerequisites: EBM or FF-1 or equivalent (DHVR or BVRT Recommended)

This course deals specifically with the unique rescue problems posed by farm equipment and farm structures. Problems dealing with rescue in grain storage, trench silos, and manure pits are discussed. The student will practice hands-on rescue techniques with farm equipment.

Farm Rescue Refresher

FSC 599

3 Hours Lecture-2.0hrs / Lab-1.0hrs Gear: TOG
Prerequisites: FARR

This course is designed to refresh fire fighters trained in the hazards that they will encounter in Farm Rescue Situations. The Farmedic Course teaches appropriate response actions for machinery, Chemical, and Structure accidents and how to handle animals.

Rescue Programs

Heavy Truck Rescue

FSC 622

8 Hours Lecture-4.0hrs / Lab-4.0hrs Gear: TOG
Prerequisites: BVRT

This program addresses the hazards and resource demands for extrication emergencies involving large and heavy vehicles. Addressed in this program, are vehicle design considerations, weight distribution hazards, payloads, strength points, and special hazard considerations. The course teaches the student how to assess, stabilize, and access vehicles of greater size and weight. Students will learn how to address special resource needs encountered during extrication emergencies.

Ice Rescue Awareness

FSC 447

3.5 Hours Lecture-3.5hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This program discusses the characteristics of ice-related emergencies and the health risks to First Responders. This program addresses the common hazards associated with ice rescue emergencies. This course will assist to increase the ability of the First Responder to maintain scene safety. The students will learn important safety procedures to prevent weather exposure and drowning. Personal protective equipment for ice rescue emergencies will also be presented in this program.

Ice Rescue and Emergency Response (IRER)

FSC 334

16 Hours Lecture-8.0hrs / Lab-8.0hrs Gear: Cold Water Exposure Suit, PFD
Prerequisites: Water Rescue Phase I

This program is designed to familiarize the rescuer with the safest and most effective method of dealing with an ON or THROUGH the ice emergency.

Introduction to Rescue Saw Safety

FSC 695

4 Hours Lecture-4.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This course presents essential safety concerns related to the inspection and operation of rescue saws. Saw construction, saw safety features, safe saw handling, and safety PPE will be covered in this program. This course will touch upon user training requirements and organizational policies & procedures.

Rescue Programs

Introduction to Ropes, Knots, & Rope Rescue Rigging

FSC 972

8 Hours Lecture-3.0hrs / Lab-5.0hrs Gear: Leather Clothes
Prerequisites: None

This class will teach the student the basic knots needed for fire and rescue operations. This course covers rope and webbing constructions, knot types, knot applications, and specialized rope rescue equipment. This module provides an application step for students to lift equipment and construct basic rigging systems. This course provides students with an opportunity for hands-on sessions for gaining proficiency with knots and systems.

Lockout / Tagout Procedures

FSC 313

2 Hours Lecture-2.0hrs / Lab-0.0hrs Gear: None
Prerequisites: EBM or FF-1 or equivalent

This course reviews lockout tagout policies and procedures that create a safe and effective work environment. Topics include: identifying energy sources, isolation procedures, de-energizing and verification, hazard communications, and terminating incidents involving energy source isolation.

Permit Required Confined Space Entry

FSC 406

4 Hours Lecture-4.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This course is for individuals whose job it is to work in or around confined spaces and/or open trenches. This program stresses the importance of recognizing the dangers of working in locations where being overcome by atmospheric, engulfment, or mechanical entrapment is an ever-present danger. This program follows the intent of OSHA 1910.146 and 1926.650 respectfully.

Rapid Intervention Teams (RITC)

FSC 270

4 Hours Lecture-4.0hrs / Lab-0.0hrs Gear: None
Prerequisites: IST

This program will prepare fire department personnel for implementation of a stand-by rescue team at structure fires and certain other especially hazardous incidents. The course content relies heavily on the successful experiences of departments that have implemented and utilized the concept.

Rescue Programs

Rapid Intervention Team Advanced Training

FSC 770

16 Hours Lecture-8.0hrs / Lab-8.0hrs Gear: TOG, SCBA
Prerequisites: Rapid Intervention Team Basic

This course will review the basic RIT Team Exercises including size-up, new techniques for locating and removing trapped and injured fire fighters, information regarding recent fire fighter fatalities, and recent RIT survival accounts, as well as current RIT developments. Also included is a review of forcible entry techniques, including forcible entry equipment with special emphasis on building collapse.

Rapid Intervention Team Basic Training

FSC 760

16 Hours Lecture-12.0hrs / Lab-4.0hrs Gear: TOG, SCBA
Prerequisites: EBM or FF-1 or equivalent, SURV

This course is designed to provide fire fighters with the knowledge and skill objectives to safely perform rescue techniques to remove trapped or lost fire fighters during deteriorating suppression activities. Included in this course: RIT Team roles and responsibilities, evaluation of case studies, function during suppression activities, lifting and moving techniques, extrication support needs, team building skills, size-up techniques, and structure layout. The fire fighter will also participate in “live” scenario based evaluations involving a down/trapped fire fighter.

Rapid Intervention Team Refresher

FSC 761

8 Hours Lecture-6.0hrs / Lab-2.0hrs Gear: TOG, SCBA
Prerequisites: Prior RIT Training

This course is designed to review specialized conditions and techniques used by Rapid Intervention Teams (RIT). This course is for fire fighters who have had previous RIT training and wish to practice and enhance their skills. Included in this course will be a review of the initial RIT Team roles and responsibilities, as well as any updated information regarding RIT standards. The fire fighter will also participate in “live” scenario based evaluations involving a down/trapped fire fighter.

Rescue Programs

Rope / High Angle Rescue I (RORE)

FSC 340

16 Hours Lecture-4.0hrs / Lab-12.0hrs

Gear: ****See Below****

Prerequisites: 18 years of age, IST

Students in this course will be introduced to the various types of rope and related rescue equipment. Students will be training in tying of basic knots and hitches used in rope rescue, basic rappelling techniques, tie-offs, self-rescue, basic litter tie-ins, and basic litter handling skills. Much of the program is hands-on and time is allotted for practice in order to build proficiency.

*****Students will need the following equipment: helmet with chin strap (fire, construction or climbing helmet), eye protection (such as safety glasses, HELMET FACE SHIELDS ARE NOT ACCEPTABLE), clean leather gloves, work or hiking boots which provide support (NO SNEAKERS), outdoor work clothing appropriate for weather conditions and water bottle or other suitable device for storing liquids in the field. Students may bring additional personal or department owned equipment, but all such equipment will be subject to inspection prior to use. FIRE FIGHTER TURN-OUT GEAR IS NOT ACCEPTABLE FOR THIS CLASS.*****

Rope / High Angle Rescue II (RORA)

FSC 339

16 Hours Lecture-4.0hrs / Lab-12.0hrs

Gear: ****See Below****

Prerequisites: 18 years of age, RORE

Students in this course will be re-introduced 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 a rappel rack, rope changes, and one person rescue. The student will perform a low angle raise and lower evolution simulating patient transport on embankments. Most of the program is hands-on and time is allotted for practice in order to build proficiency.

*****Students will need the following equipment: helmet with chin strap (fire, construction or climbing helmet), eye protection (such as safety glasses, HELMET FACE SHIELDS ARE NOT ACCEPTABLE), clean leather gloves, work or hiking boots which provide support (NO SNEAKERS), outdoor work clothing appropriate for weather conditions and water bottle or other suitable device for storing liquids in the field. Students may bring additional personal or department owned equipment, but all such equipment will be subject to inspection prior to use. FIRE FIGHTER TURN-OUT GEAR IS NOT ACCEPTABLE FOR THIS CLASS.*****

Rescue Programs

Rope / High Angle Rescue III

FSC 782

16 Hours Lecture-8.0hrs / Lab-8.0hrs Gear: ****See Below****
Prerequisites: RORA

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 stokes for vertical lifts, passing a knot in a raising/lowering system, and tying a patient into 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.

****Students will need the following equipment: helmet with chin strap (fire, construction or climbing helmet), eye protection (such as safety glasses, HELMET FACE SHIELDS ARE NOT ACCEPTABLE), clean leather gloves, work or hiking boots which provide support (NO SNEAKERS), outdoor work clothing appropriate for weather conditions and water bottle or other suitable device for storing liquids in the field. Students may bring additional personal or department owned equipment, but all such equipment will be subject to inspection prior to use. FIRE FIGHTER TURN-OUT GEAR IS NOT ACCEPTABLE FOR THIS CLASS.****

Rope / High Angle Rescue IV

FSC 785

16 Hours Lecture-8.0hrs / Lab-8.0hrs Gear: ****See Below****
Prerequisites: Rope/High Angle Rescue III

Students in this course will be re-introduced to the basic skills of RORE, RORA, and Rope Level 3. Students will be trained in critical angles as they pertain to single and dual rope highlines, English reeves, and the operations of highlines. Most of the program is hands-on and time is allotted for practice in order to build proficiency.

****Students will need the following equipment: helmet with chin strap (fire, construction or climbing helmet), eye protection (such as safety glasses, HELMET FACE SHIELDS ARE NOT ACCEPTABLE), clean leather gloves, work or hiking boots which provide support (NO SNEAKERS), outdoor work clothing appropriate for weather conditions and water bottle or other suitable device for storing liquids in the field. Students may bring additional personal or department owned equipment, but all such equipment will be subject to inspection prior to use. FIRE FIGHTER TURN-OUT GEAR IS NOT ACCEPTABLE FOR THIS CLASS.****

Rescue Programs

Rope / High Angle Rescue V

FSC 786

16 Hours Lecture-8.0hrs / Lab-8.0hrs

Gear: ****See Below****

Prerequisites: Rope/High Angle Rescue IV

Students will be re-introduced to all phases of rope/vertical rescues. This course is made up of a multitude of rescue scenarios. Students will be given a scenario with different students put in command and rotated to various other parts of the team to accomplish the rescues. At least 1 low angle, 1 vertical, 1 highline, and 1 English reeves will be performed. Most of the program is supervised hands-on in order to build proficiency.

*****Students will need the following equipment: helmet with chin strap (fire, construction or climbing helmet), eye protection (such as safety glasses, **HELMET FACE SHIELDS ARE NOT ACCEPTABLE**), clean leather gloves, work or hiking boots which provide support (**NO SNEAKERS**), outdoor work clothing appropriate for weather conditions and water bottle or other suitable device for storing liquids in the field. Students may bring additional personal or department owned equipment, but all such equipment will be subject to inspection prior to use. **FIRE FIGHTER TURN-OUT GEAR IS NOT ACCEPTABLE FOR THIS CLASS.*******

Ropes and Knots

FSC 346

3 Hours Lecture-2.0hrs / Lab-1.0hrs

Gear: 20' to 30' Rope, Leather gloves

Prerequisites: None

This class will teach the fire fighter how to identify and tie basic fire service knots and how to apply the correct knot to lift and lower fire ground equipment.

Ropes and Riggings Practical

FSC 348

3 Hours Lecture-1.0hrs / Lab-2.0hrs

Gear: 20' to 30' Rope, Leather gloves

Prerequisites: Rope & Knots

This program is designed to reinforce lessons learned from previous ropes and rigging classes though the use of controlled practical scenarios. The student must be able to tie a variety of fire service knots and apply them to various rescue equipment.

Rescue Programs

Ropes and Riggings Refresher

FSC 349

6 Hours Lecture-4.0hrs / Lab-2.0hrs

Gear: ****See Below****

Prerequisites: RORA

This course reviews basic fire/rescue service knots and the use of specialized rope rescue equipment. Emphasis is placed on scene and rescuer safety, mechanical advantages and belay systems, and victim packaging and removal. Lessons will be reinforced through integrated rescue exercises.

*****Students will need the following equipment: helmet with chin strap (fire, construction or climbing helmet), eye protection (such as safety glasses, HELMET FACE SHIELDS ARE NOT ACCEPTABLE), clean leather gloves, work or hiking boots which provide support (NO SNEAKERS), outdoor work clothing appropriate for weather conditions and water bottle or other suitable device for storing liquids in the field. Students may bring additional personal or department owned equipment, but all such equipment will be subject to inspection prior to use. FIRE FIGHTER TURN-OUT GEAR IS NOT ACCEPTABLE FOR THIS CLASS.*****

Rope High-line Basic

FSC 928

16 Hours Lecture-4.0hrs / Lab-12.0hrs

Gear: ****See Below****

Prerequisites: RORA

Students in this course will be re-introduced to the various types of rescue equipment. Students will expand their knowledge in the use of; anchors, mechanical advantage systems, safeties, basic ascending, and litter handling techniques. The students will construct basic and more advanced high-line systems used to move a patient over large open voids. Most of the program is hands-on and time is allotted for practice in order to build proficiency. Participants in this course will be re-introduced to the principles of rope/vertical rescue and to the basic equipment used to implement rope/ vertical rescues. Utilizing the requisite basic skills required to rig, haul, lower, ascend, descend, and stop, the student will become proficient in constructing and operating High-line systems.

*****Students will need the following equipment: helmet with chin strap (fire, construction or climbing helmet), eye protection (such as safety glasses, HELMET FACE SHIELDS ARE NOT ACCEPTABLE), clean leather gloves, work or hiking boots which provide support (NO SNEAKERS), outdoor work clothing appropriate for weather conditions and water bottle or other suitable device for storing liquids in the field. Students may bring additional personal or department owned equipment, but all such equipment will be subject to inspection prior to use. FIRE FIGHTER TURN-OUT GEAR IS NOT ACCEPTABLE FOR THIS CLASS.*****

Rescue Programs

Silo Emergencies (FRSE)

FSC 619

16 Hours Lecture-8.0hrs / Lab-8.0hrs Gear: TOG, SCBA
Prerequisites: EBM or FF-1 or equivalent, REPR, CSR, RORE

This course is designed to familiarize fire fighters and EMS personnel for the hazards they will encounter in silo fire fighting and silo rescue situations. This course teaches appropriate response actions for silo emergencies, such as handling silo gas victims, silo rescue procedures and silo fire fighting techniques.

Silo Rescue

FSC 359

16 Hours Lecture-10.0hrs / Lab-6.0hrs Gear: TOG, SCBA
Prerequisites: IST

In this course the emergency service worker will be introduced to the hazards of confined space and lockout/tagout procedures pertaining to silos. Other topics include silo construction equipment needs for rescue and basic rigging of ropes for silo rescue.

Special Vehicle Rescue (DHSV)

FSC 414

16 Hours Lecture-16.0hrs / Lab-0.0hrs Gear: TOG, Eye Protection
Prerequisites: 18 years of age, BVRT

This course builds upon the knowledge and skills acquired in the Basic Vehicle Rescue course to prepare the student to deal with rescue situations involving larger vehicles such as buses and large trucks. A written examination is administered at the conclusion of this course for certification as a Special Vehicle Rescue Technician.

Structural Collapse “Heavy” Rescue, Level III

FSC 616

20 Hours Lecture-5.0hrs / Lab-15.0hrs Gear: USAR PPE
Prerequisites: Confined Space Rescue, Building Construction for the Fire Service, Structural Collapse Level I & II

This course is designed for the Rescue Technician who will encounter structural collapse rescue in concrete and heavy steel structures. Various techniques and operations will be taught with the emphasis on rescuer safety. Techniques include but are not limited to; concrete breaching and breaking, heavy lifting and moving, rigging techniques, crane safety and advanced shoring concepts. Although many of the skills are based on the FEMA USAR Rescue Technicians program, the course is geared to local and regional response capabilities.

Rescue Programs

Structural Collapse Operations Level I (SCOA)

FSC 744

3.5 Hours Lecture-3.5hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This course is designed to familiarize students with operations at the scene of a structure collapse so they may be able to function at the initial stages of a structure collapse operation, identify and mitigate hazards, recognize the need for assistance, and perform as an integral part of the overall operation once technical rescue teams are on site.

Structural Collapse Operations Level II (SCOF)

FSC 745

16 Hours Lecture-4.0hrs / Lab-12.0hrs Gear: ****See Below****
Prerequisites: SCOA, CSR, BCN of BCP

This course gives fire department and rescue personnel the knowledge and skills necessary to operate effectively at incidents involving the collapse of light frame and heavy wall structures. Students are given extensive hands-on instruction in structure assessment, emergency shoring and stabilization, breaching building materials and patient packaging and extrication.

****Students will need the following equipment: helmet with chin strap (fire, construction or climbing helmet), eye protection (such as safety glasses), ear protection, leather gloves, work or hiking boots which provide support (NO SNEAKERS), outdoor work clothing or coveralls appropriate for weather conditions, Fire fighter turn-out gear with the additional protection listed above is acceptable for this class.****

Structural Collapse Operations Level II Refresher

FSC 691

8 Hours Lecture-3.0hrs / Lab-5.0hrs Gear: ****See Below****
Prerequisites: SCOF

This course gives the fire departments and rescue personnel a refresher base of knowledge and skills necessary to operate effectively at incidents involving the collapse of light frame and heavy wall structures. Students are given extensive hands-on instruction in structure assessment, emergency shoring and stabilization, and breaching light building materials.

****Students will need the following equipment: helmet with chin strap (fire, construction or climbing helmet), eye protection (such as safety glasses), ear protection, leather gloves, work or hiking boots which provide support (NO SNEAKERS), outdoor work clothing or coveralls appropriate for weather conditions, Fire fighter turn-out gear with the additional protection listed above is acceptable for this class.****

Rescue Programs

Structural Collapse Operations – Problem Solving

FSC 756

24 Hours Lecture-8.0hrs / Lab-16.0hrs Gear: USAR PPE
Prerequisites: SCOF, HazMat Ops, EBM or FF-1 or equivalent

This course is designed to review the operations of (a) structural collapse incident(s) given varying degrees of scenarios. The scenarios will provide for the student the ability to operate from the preplanning stages, through a “live” scenario, completing with incident termination; touching on all the necessary functions to conduct a successful operation. This is to include *night* operations, resource management techniques, rehabilitation protocols, and management/crew shift changes.

Structural Fire Rescue (SFR)

FSC 325

16 Hours Lecture-5.0hrs / Lab-11.0hrs Gear: TOG, SCBA
Prerequisites: EBM or FF-1 or equivalent

This course will instruct the student in the methods of rescuing victims from buildings under fire conditions. Topics to be discussed and practiced are search procedures, victim handling techniques, and methods of removing victims from above and below grade situations.

Technical Rescue Awareness

FSC 577

8 Hours Lecture-5.0hrs / Lab-3.0hrs Gear: TOG
Prerequisites: None

This course is designed to teach the student how to work around a technical rescue scene and assist the technical rescue team in performing their duties. Topics include patient packaging, identifying confined space, trench rescue, and structural collapse terms and equipment.

Technical Rescue Refresher

FSC 697

16 Hours Lecture-8.0hrs / Lab-8.0hrs Gear: TOG
Prerequisites: Previous Rescue Training

This program is designed to enhance the student’s ability to perform critical skill sets in the field of technical rescue. During this course, students will review technical rescue theories, techniques, and challenges to accurately and safely execute the skill sets required for professional certification. Topics include: scene management, mechanical advantage systems, rope management, anchor systems, rescue knots, size-up considerations, hazard control, and patient care. This course is designed for the experienced rescuer with a strong working knowledge of technical rescue in accordance with NFPA 1006 and 1670.

Rescue Programs

Trench Rescue Awareness

FSC 101

4 Hours Lecture-4.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This course will give the responder the knowledge of how to respond to a trench collapse emergency. The course will point out the hazards associated with trench collapse and actions that the responder can take prior to the arrival of the rescue team. Topics include case studies, collapse types, hazard control and identification, shoring overview, and initial response actions.

Trench Rescue Operations I (TRRE)

FSC 323

16 Hours Lecture-8.0hrs / Lab-8.0hrs Gear: ****See Below****
Prerequisites: IST

This course will introduce the student to the knowledge and skills necessary to safely and effectively perform complex rescue operations in collapsed trench excavations. Course work will include practical drills and demonstration in simulated trench excavations.

*****Students will need the following equipment: helmet with chin strap (fire, construction or climbing helmet), eye protection (such as safety glasses), leather gloves, work or hiking boots which provide support (NO SNEAKERS), outdoor work clothing or coveralls appropriate for weather conditions, Fire fighter turn-out gear with the additional protection listed above is acceptable for this class.*****

Trench Rescue Operations II

FSC 322

16 Hours Lecture-4.0hrs / Lab-12.0hrs Gear: ****See Below****
Prerequisites: TRRE, CSR

This course is a continuation of TRRE with the additional knowledge and skills for shoring intersecting trenches, such as X, T, and L trenches, as well as supplement sheeting and shoring techniques. ICS and team building is included in the field evaluation evolutions.

*****Students will need the following equipment: helmet with chin strap (fire, construction or climbing helmet), eye protection (such as safety glasses), leather gloves, work or hiking boots which provide support (NO SNEAKERS), outdoor work clothing or coveralls appropriate for weather conditions, Fire fighter turn-out gear with the additional protection listed above is acceptable for this class.*****

Rescue Programs

Vehicle Rescue: Problem Solving

FSC 464

24 Hours Lecture-8.0hrs / Lab-16.0hrs

Gear: TOG, Eye Protection

Prerequisites: DHVR or BVRT

This course challenges vehicle extrication technician to solve safety, stabilization, and patient care problems encountered at motor vehicle accidents. This advanced level course allows the students the size up an accident, determine the best response action, evaluate resources (accessible and usable), execute an action plan, and evaluate the process. Through scenario based exercises, the student will apply learned knowledge and skills needed to ensure rescue team effectiveness in a safe and efficient manner.

Vehicle Rescue Refresher

FSC 156

6 Hours Lecture-3.0hrs / Lab-3.0hrs

Gear: TOG, Eye Protection

Prerequisites: DHVR or BVRT

This course will review the phases of extrication concerns with vehicle technology and patient considerations. This program is designed to review strategic and tactical considerations closely associated with extrication emergencies. This course placed emphasis upon the review and enhancement of the student's knowledge level and skills necessary to achieve a safe and efficient vehicle operation.

Vehicle Rescue Refresher and Technology Update

FSC 327

16 Hours Lecture-8.0hrs / Lab-8.0hrs

Gear: TOG, Eye Protection

Prerequisites: DHVR or BVRT

This course is intended for personnel who have already taken a vehicle rescue course in the past. The purpose of this course is to provide a needed review of the concepts of vehicle rescue and an awareness of the new vehicle designs and technology. Also, the course reviews new tool designs and technology and new disentanglement techniques to deal with air bag locations.

Rescue Programs

Vehicle Rescue Safety Update

FSC 862

4 Hours Lecture-4.0hrs / Lab-0.0hrs Gear: None
Prerequisites: DHVR or BVRT

This program contains information on recent vehicle safety technology upgrades, which may pose concerns with extrication efforts. This course covers basic vehicle safety and technology changes at an awareness level only. Safety features such as: air bag systems, seat belt systems, fuel system changes, safe work zones, vehicle construction materials, and passenger compartment upgrades. Changes to size-up, extrication techniques, and resource needs will also be presented in this program.

Water Rescue Awareness

FSC 580

3 Hours Lecture-3.0hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This program discusses the characteristics of water-related emergencies and the health and safety risks to First Responders. This program addresses the common hazards associated with water rescue emergencies, as well as, the First Responder's initial role, on-scene responsibilities, and Responder limitations. This course will assist to increase the First Responder's ability to maintain scene/rescuer safety and control. During this program, students are introduced to important safety procedures related to weather exposure and physiological conditions, near drowning, personal protective equipment, including PFD (Personal Floatation Devices), and initial action plan development for water rescue emergencies will also be presented in this program.

Water Rescue / Boat Operations & Rescue Phase II - FCWA

FSC 455

16 Hours Lecture-4.0hrs / Lab-12.0hrs Gear: ** See Below **
Prerequisites: FCWR

This 16 hour program involves skills of boat operation for rescue including boat selection, recommended equipment, boat handling, boat used rescue technique, and extrication from the water.

**** Student will need swimsuit, towels, get wet clothing for prevailing weather conditions, whistle, personal flotation device, wet suit (if possible), waterproof bag and water rescue helmet (if available).**

Rescue Programs

Water Rescue / Emergency Response Phase I - FCWR FSC 446

16.5 Hours Lecture-10.5hrs / Lab-6.0hrs Gear: ** See Below **
Prerequisites: Current CPR, Ability to swim 50 yards

This 16 hour program involves the basic knowledge and skills necessary for rescuers who are or may be called upon to perform water rescues.

**** Student will need swimsuit, towels, get wet clothing for prevailing weather conditions, whistle, personal flotation device and water rescue helmet (if available).**

Water Rescue / Advanced Line Systems Rescue - ALSR FSC 456

12.5 Hours Lecture-7.0hrs / Lab-5.5hrs Gear: ** See Below **
Prerequisites: FCWR

This 12 hour program involves skills needed to set up and understand horizontal line systems used in advanced water rescue operations.

**** Student will need swimsuit, towels, get wet clothing for prevailing weather conditions, whistle, personal flotation device and water rescue helmet (if available).**

Wilderness Rescue FSC 593

16 Hours Lecture-10.0hrs / Lab-6.0hrs Gear: Work Clothes, Hiking Boots, Leather Gloves, Helmet, Compass, Water

Prerequisites: WRGA

This program contains the information necessary to deliver appropriate and effective medical care under wilderness rescue conditions. This program will prepare the student to become a medically competent in field scenarios and operating as a medical responder during technical rescue operations such as rope rescues, hazardous materials incidents, mass causality incidents, and rotocraft extrications. The curriculum is geared for the medical responder that would encounter rural wilderness rescue situations. Integrated field exercises are part of this course.

Wilderness Search & Rescue - Awareness Response FSC 661

3.5 Hours Lecture-3.5hrs / Lab-0.0hrs Gear: None
Prerequisites: None

This course will provide the student with basic knowledge to begin initial operations as defined in 1670 for awareness level operations in wilderness search and rescue. This course will cover initial response and organized search.

Rescue Programs

Wilderness Search & Rescue - Advanced Grid Team – WRGA **FSC 818**

8 Hours Lecture-2.4hrs / Lab-7.6hrs Gear: Work Clothing, sturdy work or hiking-type boots, eye protection and a compass

Prerequisites: WRGT

This course is presented in a combination of classroom and fieldwork present grid search methods will teach the student comprehensive map and compass skills and patient evacuation skills.

Wilderness Search & Rescue - Basic Grid Team – WRGT **FSC 817**

16 Hours Lecture-12.0hrs / Lab-4.0hrs Gear: Work Clothing, sturdy work or hiking-type boots, eye protection and a compass

Prerequisites: None

This course is present in a combination of classroom and fieldwork, present grid search methods, and teaches the student basic map and compass skills.

Wilderness Search & Rescue - Search Management – WRSM **FSC 816**

40 Hours Lecture-30.0hrs / Lab-10.0hrs Gear: Work Clothing, sturdy work or hiking-type boots, eye protection and a compass

Prerequisites: None

This course is presented in classroom setting to teach search operation techniques and organizational skills to the units responding unit on a lost person incident.

Wilderness Search & Rescue - Search Responder – WRSR **FSC 815**

16 Hours Lecture-9.0hrs / Lab-7.0hrs Gear: Work Clothing, sturdy work or hiking-type boots, eye protection and a compass

Prerequisites: None

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.

About Non – Credit Online Training (Blackboard Vista)

Introduction

The Bucks County Community College offers a limited number fire training programs online. Online training is designed to be self-paced and taken at your convenience. All assignments and testing must be completed.

Each program will have specific requirements and established levels of student participation. Interaction with the instructor and other students may be required for some programs.

Registration

You may register by mail or fax using the current student course registration form. Be sure you supply both your email and street address. You will need to register at least two weeks prior to the start of the program.

Eligibility

All fire and EMS personnel may register (you will need access to a computer). Prerequisites for programs will apply. Both in-state and out of state students may apply. You may take more than one program at a time.

Payment

Tuition fees may apply and be different for each program, please inquire about the specific course you are interested in. Some programs will require the student to purchase published text books. This will be noted in the course description. If you are required to purchase a book, a list of vendors is available on our website.

Textbooks

Programs that require a published text book will be noted and will be the student's responsibility to purchase the text book. Some programs the handouts may be sent directly to the student if they are not available through the program.

Course cancellations

Courses may be cancelled if the minimum number of students is not met.

Certificates

Bucks County Community College or Pennsylvania State Fire Academy certificates are issued, for these courses. This is noted in the course description. At this time no Professional Certification programs or testing is available online.

Course schedule

Please visit our website [<http://www.bucks.edu/publicsafety>] or Resident Catalog for course information, dates, costs and text book information.

Frequently Asked Questions about Online Training

Can I receive national certification for on line training programs?

No. At this time are unable to offer national certification for on-line training programs. For some programs, you will be eligible to test for national certification. This will be noted in the course description.

Will off-line help be available?

Yes. You may call the training center (215-340-8417 or email freese@bucks.edu) for specific questions on Blackboard Vista or the program that interests you. The College Distance Learning Center will be able to help you on technical questions (215-968-8052 or email learning@bucks.edu). Call between 8:30 am and 5:00 pm, after hours please leave a message and a daytime phone number.

Once I am registered for a class how can I log-in?

You will need to wait for the start date then go to the distance learning start page provided in your confirmation letter, In that confirmation letter you will be provided information on your username and password, which on your first log in you will be prompted to change.

Is there late registration?

All programs have registration deadlines. Late registrations will be granted on a case by case basis. You will need to contact the Training Center for information regarding specific programs.

When will the certificates be issued?

Certificates will be issued at the completion of the program. If you need a certificate before then, you may to contact the Training Center for assistance.

Do I need to know a lot about computers and the internet?

No. If you can surf the web and send and receive emails, you have all the skills needed for taking these on-line training courses.

Fire Department In House Training Program

Purpose:

To provide the local fire department with recognized quality in house training with a State Local Level Instructor to meet the needs of a local fire department's operations and personnel time constraints.

Description:

This program will provide 3, 4, 6 or 8 hours of modular review training for individual fire department members in a variety of fire service and rescue subjects using Pennsylvania State Local Level Instructors. The needs and type of training will be determined by the local fire department. The program can be used for a fire department's training night.

Benefits:

- Course delivered locally at your station
- Bucks County Community College Continuation Education Certificates issued to each student who successfully completes class. Certificates can be used as documentation of training.
- Choice of department specific training program to meet a fire department's equipment and operational needs.
- Use of recognized Pennsylvania State Fire Academy Local Level Instructors and organized curriculum.
- Wide variety of subjects to select
- Schedule is based on a fire department's time frame; evenings or weekends
- Programs can be great review for seasoned fire fighters and a good introductory for new fire fighters.
- Free consultation available to local fire departments on needs assessment and assistance provided on implementing training programs.

Requirements:

- Local Level Application needs to be filled out and submitted to Bucks County Community College within eight (8) weeks of training start date.
- Minimum number of required students for programs is 15. (restrictions apply, call for information)
- Custom training classes can not take the place as prerequisites or substitutes for State Training Programs.
- Age requirements for juniors must follow Child Labor Laws, Pennsylvania State Fire Academy and Department of Health guidelines.
- Instructors used must be Pennsylvania State Fire Academy Local Level Instructors or Department of Health certified in proper subject material.

Fire Department In House Training Program List

Driver/Operator	HOURS	CERTS
Dynamics of Emergency Vehicle Response	4	STATE
Emergency Vehicle Operations Refresher	8	CON-ED
New Aerial Apparatus Familiarization	8	STATE
Pump Hydraulics and LDH Review	3	CON-ED
Tanker Water Supply Refresher	6	CON-ED
EMS		
Aeromedical Safety Program	3.5	STATE
American Heart Association: Automated External Defibrillator	4	CON-ED
Bloodborne Pathogens Refresher	1.5	CON-ED
Bloodborne Pathogens, Infectious Disease Awareness	4.5	STATE
Gaining Access EMT	8	CON-ED
National Safety Council Basic First Aid	4	CON-ED
National Safety Council Bloodborne Pathogens	3	CON-ED
National Safety Council CPR	4	CON-ED
Firefighting		
Aircraft Emergency Awareness	3	CON-ED
Arson Awareness for Emergency Responses Personnel	4	STATE
Attack and Back-up Lines	3	CON-ED
Automatic Detection and Suppression Systems	8	STATE
Bombs, Threats, and Improvised Devices	4	CON-ED
Building Construction	3	CON-ED
Carbon Monoxide Detector Responses	3	STATE
Class A Foam Awareness	4	CON-ED
Electrical Emergencies	3	STATE
Employee Safety and Extinguisher Training	3	STATE
Fire Attack In Sprinklered Properties	6	STATE
Firefighter Safety Awareness	3	CON-ED
Foam Firefighting Basic (National Foam)	7	STATE
Forcible Entry Refresher	3	CON-ED
Ground Ladder Refresher	3	CON-ED
Hotel & Motel Fires	3	CON-ED
Ice Rescue Awareness	3.5	CON-ED
Incident Command System Refresher	3	CON-ED
Introduction to Safety & the Training System	6.5	STATE
Ladder Company Review	3	CON-ED
MCTO Review	3	CON-ED
Personnel Accountability Systems	3	CON-ED
Positive Pressure Ventilation	3	CON-ED
Propane Emergencies Awareness	4.5	STATE
Propane Emergencies Operations	8	STATE
Rapid Intervention Team	2	STATE
Rapid Intervention Team Refresher	8	CON-ED
Salvage and Overhaul Refresher	3	CON-ED
SCBA Refresher	3	CON-ED
Search and Rescue Refresher	3	CON-ED
Sprinklers and Stand Pipes	3	CON-ED
Thermal Imaging Seminar	3	CON-ED
Ventilation Practical Refresher	3	CON-ED

Hazmat	HOURS	CERTS
Air Monitoring Instrumentation	3	CON-ED
Chlorine "A" and "B" Containment Kit Operation	3	CON-ED
Chlorine Emergencies Awareness	3	CON-ED
Container and Vessel Identification	3	CON-ED
Decontamination: Review	3	CON-ED
Emergency Response Guide Book Training	3	STATE
First Responder Awareness- NFA R&I	4	STATE
Flammable Gases Review	3	CON-ED
Flammable Liquids Review	3	CON-ED
Hazardous Materials Awareness Level Annual Refresher Training	1.5	STATE
Hazardous Materials Decontamination Procedures	8	CON-ED
Hazardous Materials Operations Level Annual Refresher Training	5.5	STATE
Hazardous Materials: PPE Review	3	CON-ED
Natural Gas/Propane/Carbon Monoxide Seminar	3	CON-ED
Site Specific: CPC & Respiratory Protection	8	CON-ED
Spill and Leak Control	8	CON-ED
Spill and Leak Control Refresher	4	CON-ED
Terrorism Awareness Domestic Preparedness	4	STATE
Terrorism Operations Domestic Preparedness	8	STATE
Rescue		
Confined Space Rescue Refresher	8	CON-ED
Farm Rescue Refresher	3	CON-ED
New Car Technology	4	CON-ED
Permit Required Confined Space Entry	4	CON-ED
Ropes and Knots	3	CON-ED
Ropes and Riggings Refresher	6	CON-ED
Structural Collapse Operations: Level I	3.5	STATE
Technical Rescue Awareness	8	CON-ED
Trench Rescue Awareness	4	CON-ED
Vehicle Rescue Refresher	6	CON-ED
Water Rescue Awareness	3	CON-ED

For additional information about this program:

- **Eastern PA:** (Adams, Bradford, Carbon, Centre, Clinton, Columbia, Cumberland, Dauphin, Juniata, Lebanon, Lackawanna, Luzerne, Lycoming, Mifflin, Montour, Northumberland, Perry, Pike, Potter, Schuylkill, Snyder, Sullivan, Susquehanna, Tioga, Union, Wayne, Wyoming, and York Counties)
Fred Hunsinger (267) 446-0736 or hunsinge@bucks.edu
- **Southeastern PA:** (Berks, Bucks, Chester, Delaware, Lancaster, Lehigh, Monroe, Montgomery, Northampton, and Philadelphia Counties)
Charles "Chas" Moritz (267) 718-0633 or moritzc@bucks.edu
- **Western PA:** (Allegheny, Armstrong, Beaver, Bedford, Blair, Butler, Cambria, Cameron, Clarion, Clearfield, Crawford, Elk, Erie, Fayette, Forest, Franklin, Fulton, Greene, Huntingdon, Indiana, Jefferson, Lawrence, McKean, Mercer, Somerset, Venango, Warren, Washington, and Westmoreland Counties)
Nick Wuckovich (267) 446-0785 or wuckovic@bucks.edu

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Pennsylvania Regional EMS Councils and EMS Continuing Education Credits

If you require Department of Health Continuing Education Credits for any program that is eligible for credits you as the student or hosting agency will need to contact your Regional Council for assistance. Bucks County Community College does not handle or process Con-Ed credits.

Region 01

Bradford Susquehanna EMS Council

One Guthrie Square
Sayre, PA 18840-1625
(570) 882-4604

Counties served: Bradford and Susquehanna

<http://www.bsems.com>

Region 10

Bucks County EMS Council

911 Ivyglenn Circle
Ivyland, PA 18974
(215) 340-8735

County served: Bucks

<http://www.buckscounty.org/emerhealth.htm>

Region 11

Chester County EMS Council

Chester County Government Services Center
Department of Emergency Services
601 Westtown Road, Suite 12
West Chester, PA 19382-4558
(610) 344-5000

County served: Chester

<http://www.chesco.org>

Region 12

Delaware County EMS Council, Inc.

Government Center Building - Room 117
201 West Front Street
Media, PA 19063-2753
(610) 891-5310

County served: Delaware

<http://www.delaware.pa.us/intercommunity>

Region 02

Eastern Pennsylvania EMS Council Inc.

4801 Kernsville Road, Suite 100
Orefield, PA 18069
(610) 820-9212

*Counties served: Berks, Carbon, Lehigh,
Monroe, Northampton, & Schuylkill*

<http://www.easternemscouncil.org>

Region 03

EHS Federation

722 Limekiln Road
New Cumberland, PA 17070-2354
(717) 774-7911

*Counties served: Adams, Cumberland,
Dauphin, Franklin, Lancaster, Lebanon,
Perry, & York*

<http://www.ehsf.org>

Region 19

EMMCO East

1411 Million Dollar Highway
Kersey, PA 15846
(814) 834-9212

*Counties served: Cameron, Clearfield, Elk,
Jefferson, McKean, & Potter*

<http://www.emmcoeast.org>

Region 18

EMMCO West

16271 Conneaut Lake Road
Meadville, PA 16335-3841
(814) 337-5380

*Counties served: Clarion, Crawford, Erie,
Forest, Mercer, Venango & Warren*

<http://www.emmco.org>

Pennsylvania Regional EMS Councils and EMS Continuing Education Credits - Continued

Region 041

Emergency Medical Service Institute
221 Penn Avenue, Suite 2500
Pittsburgh, PA 15221
(412) 242-7322

Counties served: Allegheny, Armstrong, Beaver, Butler, Fayette, Greene, Indiana, Lawrence, Washington, & Westmoreland
<http://www.emsi04.org>

Region 07

LTS EMS Council

2130 County Farm Road
Montoursville, PA 17754-9621
1-800-433-9063

Counties served: Lycoming, Sullivan, & Tioga

Region 14

Philadelphia Regional EMS

Fire Administration Bldg.
240 Spring Garden Street
Philadelphia, PA 19123-2991
(215) 686-1316

Municipality served: City of Philadelphia

Region 09

Southern Alleghenies EMS Council Inc.

Olde Farm Office Center -- 1 Carriage House
Duncansville, PA 16635-9420
(814) 696-3200

Counties served: Bedford, Blair, Cambria, Fulton, Huntington, & Somerset

<http://www.saems.com>

Region 05

EMS of Northeastern Pennsylvania Inc.
1153 Oak Street
Pittston, PA 18640-3797
(570) 655-6818

Counties served: Lackawanna, Luzerne, Pike, Wayne, Wyoming
<http://www.emsnp.org>

Region 13

Montgomery County EMS Council

50 Eagleville Road
Eagleville, PA 19403-1425
(610) 631-6520

County served: Montgomery
www.montcopa.org/eoc/ems/EMS_Home.htm

Region 08

Seven Mountains EMS Council Inc.

523 Dell Street
Bellefonte, PA 16823-1488
(814) 355-1474

Counties served: Centre, Clinton, Juniata, & Mifflin

<http://www.vicon.net/~smemsc>

Region 15

Susquehanna EMS Council Inc.

249 Market Street
Sunbury, PA 17801-3401
(717) 988-3443

Counties served: Columbia, Montour, Northumberland, Snyder, & Union

<http://www.sehsc.org>

State Level Offices

Pennsylvania EHS Council

5012 Lenker Street
Maple Building, Suite 210
Mechanicsburg, PA 17055-2437
(717) 730-9000

EMS Office

Pennsylvania Department of Health
P.O. Box 90
Harrisburg, PA 17108-0090
(717) 787-8740

How to fill out the course Application

EXAMPLE:

- | | | |
|---|--|------------------|
| (1). Pump 1 | (2). 420. | (3). 16 |
| (4). 03/02/2004
06:30 PM | (5). 03/06/2004
05:00 PM | |
| (6). Tuesday & Thursday (3/2 & 3/4) 6:30-10:30pm & Saturday (3/6) 8am-5pm | | |
| (7). Bill Smith
Anywhere Fire Company
2245 Last Street
PO BOX 1515
Anywhere, PA 18902 | (8). 215-555-1234
215-555-4321
215-555-6789
215-555-9876
myemail@email.com | |
| (9). Anywhere Fire Department
1245 Main Street
Anywhere, PA 18902 | (11). YES
Anywhere Training Grounds
2785 Training Dr
Anywhere, PA 18902 | |
| (10). Bucks | (12). NO
(13). YES | |
| (14). Robert Williams
4532 West Ave
Somewhere, PA 16543 | | |
| (15). Bill Grant | (16). Bill Grant | (16). 01/12/2009 |

-
- (1). Course Title
 - (2). Course Code
 - (3). Course Hours
 - (4). Starting Date
Starting Time
 - (5). Ending Date
Ending Time
 - (6). Other Dates and Time
 - (7). Local Contact Person, Organization & Address
 - (8). Local Contact Person's phone, fax, and email
 - (9). Course Location & Address
 - (10). County of Course Location
 - (11). If Live Fire is being used for your course the location of the Live Fire needs to be provided.
 - (12). DOH Con-Ed Required - if you want BCCC to register the class please check YES. If the class is to be registered through your sponsor, please check NO (If not filled in NO is assumed) **ONLY APPLIES TO BUCKS COUNTY DEPARTMENTS**
 - (13). If Instructor was contacted by YOU
 - (14). Name and Address of Proposed Instructor (feel free to contact a Training Coordinator 215-340-8407 for assistance in finding an Instructor.)
 - (15). Printed Name of Agency Requesting Representative (Chief, President, Training Officer)
 - (16). Signature of Agency Requesting Representative (Chief, President, Training Officer)
 - (17). Date Signed



Bucks County Community College
 Department of Public Safety Training and Certification
LOCAL LEVEL COURSE APPLICATION

1760 South Easton Road
 Doylestown, PA 18901
 Ph. 215.340.8417
 Fax 215-343-6794

This form must be submitted to the Bucks County Community College with at least **8 weeks** lead time before proposed starting date.

To be completed by organization requesting the course

Course Title:	Code (FSC):	Hours:
(1)	(2)	(3)
Starting Date: (4)	Ending Date: (5)	
Starting Time: (4)	Ending Time: (5)	
Indicate any other date / times this course will meet:		
(6)		
Contact Person: (7)	Day Telephone No.: (8)	
Org Name: (7)	Evening Telephone No.: (8)	
Address 1: (7)	Mobile Telephone No: (8)	
Address 2: (7)	Fax Number: (8)	
City, State, Zip: (7)	E-mail Address: (8)	
Course Location (include Street, City, State, Zip):	Is "Live Fire" being used?: YES NO	
(9)	<i>If Live Fire is being used, list the location of the "live fire" evolution below:</i>	
	(11)	
County: (10)	DOH ConEd: YES NO (12)	
Name and Address of Proposed Instructor	Instructor Contacted: YES NO (13)	
(14)		
Signature of Requesting/Employing Agency Representative (Chief, Training Officer, President, etc.). Signature also attests that Fire Department's Insurance carrier provides accident Insurance and workmen's compensation coverage for the participants.		
Printed Name: (15)	Signature: (16)	Date: (17)
SECTION 2: FOR OFFICIAL USE ONLY: This block may be used by BCCC to list Information specific to record keeping needs, such as assistant Instructors, course number, etc.		
Name and Approval of Agency: Bucks County Community College Department of Public Safety Training & Certification		
Instructor(s):	Salary:	Expenses:
FSC (Course/Section):	Class Hours:	Semester:



Bucks County Community College
 Department of Public Safety Training and Certification
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To be completed by organization requesting the course		
Course Title:	Code (FSC):	Hours:
Starting Date:	Ending Date:	
Starting Time:	Ending Time:	
Indicate any other date / times this course will meet:		
Contact Person:	Day Telephone No.:	
Org Name:	Evening Telephone No.:	
Address 1:	Mobile Telephone No:	
Address 2:	Fax Number:	
City, State, Zip:	E-mail Address:	
Course Location (include Street, City, State, Zip):	Is "Live Fire" being used?: YES NO	
	<i>If Live Fire is being used, list the location of the "live fire" evolution below:</i>	
County:	DOH ConEd: YES NO	
Name and Address of Proposed Instructor	Instructor Contacted: YES NO	
Signature of Requesting/Employing Agency Representative (Chief, Training Officer, President, etc.). Signature also attests that Fire Department's Insurance carrier provides accident insurance and workmen's compensation coverage for the participants.		
Printed Name:	Signature:	Date:
SECTION 2: FOR OFFICIAL USE ONLY: This block may be used by BCCC to list information specific to record keeping needs, such as assistant instructors, course number, etc.		
Name and Approval of Agency: Bucks County Community College Department of Public Safety Training & Certification		
Instructor(s):	Salary:	Expenses:
FSC (Course/Section):	Class Hours:	Semester:

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Fire Training Center Sample Local Level Service Agreement

For Office Use Only
FSC _____
Payment Received _____
Agreement Received _____

Date: **Today's Date**

Program Number: **FSC999.001**

Lead Instructor: **Lead Instructor's Name**

Course Location: **Physical Address**

County: **The County where the course was held**

The **Name of the Hosting Organization**, located in the County of **Hosting Organization's Home County** and at the street address of **Physical Address**, is the sponsoring organization for program.

FSC **Course Section #** titled **Course Title**. The start date for this program is **First Day of Class**. The total student number has not met the recommended minimum as established by the Bucks County Community College Fire Training Center. Approval to conduct this session tuition free has not been granted by the College. As a representative of the sponsoring organization, I request the program to be presented to the attending students. The sponsoring organization will compensate Bucks County Community College at the specified rate for this program, as listed in this service agreement. In addition, I acknowledge that default of this service agreement will result in a suspension from tuition free local level training programs, until such time as, the terms of this agreement have been satisfied.

Rate for conducting a program under the recommended minimum student requirement:

Up to 6 hours:	\$20 fee per student under the class minimum requirement (15)
Courses over 6 hours:	\$50 fee per student under the class minimum requirement (15)

$$\begin{array}{r}
 \underline{\hspace{2cm}} \\
 \text{number of students}
 \end{array}
 \times
 \begin{array}{r}
 \underline{\hspace{2cm}} \\
 \text{rate based on course hours} \\
 \text{under the recommended minimum} \\
 \text{(see above fee schedule)}
 \end{array}
 =
 \begin{array}{r}
 \underline{\hspace{2cm}} \\
 \text{total amount due}
 \end{array}$$

The cost to conduct this course under the minimum student requirement will be \$_____. Funds for the amount specified in this service agreement will be forwarded to the Bucks County Community College Fire Training Center within forty-five days from the date of this service agreement. I have read and fully understand the terms of this service agreement.

signature of sponsoring organization representative

date

signature of BCCC lead instructor

date

- 1 copy to sponsoring organization
- 1 copy to lead instructor
- 1 copy returned to Bucks Fire Training Center (submitted with instructor's class paperwork)

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Fire Training Center Local Level Service Agreement

For Office Use Only

FSC _____

Payment Received _____

Agreement Received _____

Date: _____ Program Number: FSC _____

Lead Instructor: _____

Course Location: _____ County: _____

The _____, located in the County of _____ and at the street address of _____, is the sponsoring organization for program

FSC _____ titled _____. The start date for this program is _____. The total student number has not met the recommended minimum as established by the Bucks County Community College Fire Training Center. Approval to conduct this session tuition free has not been granted by the College. As a representative of the sponsoring organization, I request the program to be presented to the attending students and that the sponsoring organization will compensate the Bucks County Community College at the specified rate for this program, as listed in this service agreement. In addition, I acknowledge that default of this service agreement will result in a suspension from tuition free local level training programs, until such time as, the terms of this agreement have been satisfied.

Rate for conducting a program under the recommended minimum student requirement:

Up to 6 hours:	\$20 fee per student under the class minimum requirement (15)
Courses over 6 hours:	\$50 fee per student under the class minimum requirement (15)

$$\begin{array}{rcccl}
 \underline{\hspace{2cm}} & \times & \underline{\hspace{2cm}} & = & \underline{\hspace{2cm}} \\
 \text{number of students} & & \text{rate based on course hours} & & \text{total amount due} \\
 & & \text{under the recommended minimum} & & \\
 & & \text{(see above fee schedule)} & &
 \end{array}$$

The cost to conduct this course under the minimum student requirement will be \$_____. Funds for the amount specified in this service agreement will be forwarded to the Bucks County Community College Fire Training Center within forty-five days from the date of this service agreement. I have read and fully understand the terms of this service agreement.

signature of sponsoring organization representative	date
---	------

signature of BCCC lead instructor	date
-----------------------------------	------

- 1 copy to sponsoring organization
- 1 copy to lead instructor
- 1 copy returned to Bucks Fire Training Center (submitted with instructor's class paperwork)

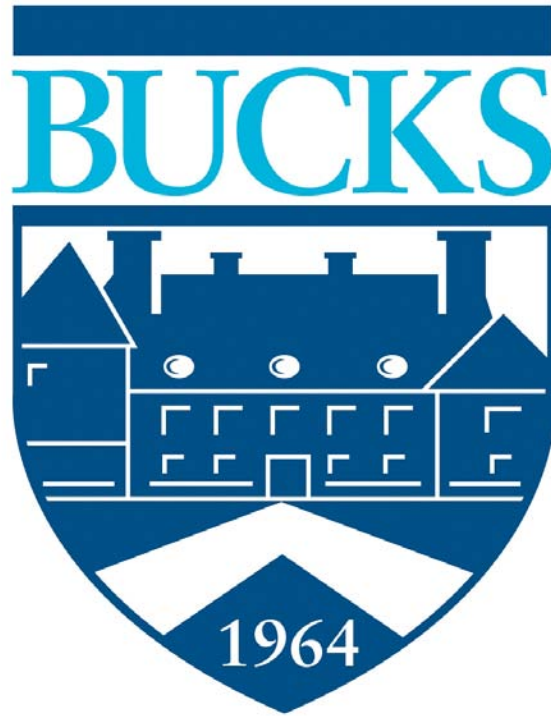
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Bucks County Community College Partners in Education

Allegheny County Fire Department/ Airport
Allied Volunteer Firemen's Association of Blair County
Altoona Career and Technology Center
Altoona Regional Health System
Beaver County Department of Emergency Services
Bedford County Emergency Management Agency
Bedford County Firemen's Association
Blair County Emergency Services
Blair County Fire Chiefs' Association
Bradford/Susquehanna Emergency Health Services
Bucks County Board of Commissioners
Bucks County Emergency Health Services
Bucks County Emergency Management Agency
Bucks County Fire Chiefs' & Firefighter's Association
Bucks County Technical High School
Cambria County Department of Emergency Services
Cambria County Volunteer Fireman's Association
Cambria & Somerset County Fire Police Association
Career Technology Center of Lackawanna County
Central Area Fire Chiefs' Association
Central Pennsylvania Institute of Science and Technology
Chester County Department of Emergency Services
City of Allentown Fire Department
City of Altoona Fire Department
City of Dubois Fire Department
City of Easton Fire Department
City of Jeannette Fire Department
City of Johnstown Fire Department
City of Lancaster Fire Department
City of Latrobe Fire Department
City of Scranton Fire Department
City of York Fire Department
Clearfield County Fireman's Association
Crawford County Department of Emergency Services
Cumberland County Office of Emergency Preparedness
Dauphin County Emergency Management Agency
Eastern Center for Arts and Technology
Fayette County Department of Emergency Services
Fort Indiantown Gap Fire Department
Franklin County Fire Chiefs' Association
Franklin County Public Safety Training Center
Fulton County Emergency Management Agency
Greene County Emergency Services

Huntingdon County Emergency Management
Huntingdon County Fire Chiefs' Association
Indiana County Emergency Management Agency
Jefferson County Firemen's Association
Juniata County Department of Emergency Services
Lackawanna County Emergency Management Agency
Lancaster County Fireman's Association
Lancaster County Public Safety Training Center
Lebanon County Fire Fighters Association
LTS EMS Council
Lycoming County Department of Public Safety
Middle Bucks Institute of Technology
Mifflin County Emergency Services
Monroe County Public Safety Training Center
Montour County Emergency Management Agency
Muncy Area Mutual Aid Association (MAMA)
National Board on Fire Service Professional Qualifications
Northumberland County Emergency Management Agency
Pennsylvania Emergency Management Agency
Pennsylvania State Fire Academy
Pennsylvania State Fire Police Association
Perry County Emergency Management Agency
Perry County Fireman's Association
Philadelphia Fire Department Fire Academy
Pittsburgh Metro FOOLS
Seven Mountains EMS Council
Snyder County Emergency Management Agency
Somerset County Emergency Management Services
Somerset County Fireman's Association
Somerset County Fire Chief's Association
South Central Mountain Counter Terrorism Task Force
Susquehanna EMS Council
Tioga County Department of Emergency Services
Washington County Department of Public Safety
Washington County Fireman's Association
Westmoreland County Department of Public Safety
Westmoreland County Fireman's Association
Westmoreland County Fire Chief's Association
Williamsport Bureau of Fire
York County Fire Chiefs' Association
York County Fire School

Bucks County Community College
Department of Public Safety Training & Certification



Accredited by:



Bucks County Community College
Department of Public Safety Training & Certification
1760 South Easton Road, Doylestown, Pennsylvania 18901
Ph. 215-340-8417 Fax 215-343-6794
www.bucks.edu/publicsafety