

HACC Fire Training Curriculum

*Classes with an abbreviation after the name (e.g. (ELIF) or (HMOJB)) are Pennsylvania State Fire Academy curriculum classes that are taught through Harrisburg Area Community College. The class listings that lack an abbreviation are Harrisburg Area Community College curriculum.

Entry-Level Firefighting Training

Introduction to the Fire Service (ELIS)

16 Hours **Prerequisites:** *Minimum age of 14 years old at start of class.*

Introduces new firefighters to basic information including an overview of the fire service, fire service organization firefighter safety, personal protective equipment, tools and emergency lighting and backing apparatus. This is the first of four levels (courses) within the curriculum. This course includes lecture, interactive discussion and practical skills and a written evaluation.

Student Equipment & Supplies: Pen/Pencil, Notebook; Supported reference material and skill book (Will be provided on the first day of class; must remain in possession of student until the end of all levels); helmet, gloves, turnout coat, turnout pants, boots, protective hood, and protective eyewear (safety glasses or goggles) required for all classes.

Fire Ground Support (ELFG)

32 Hours **Prerequisites:** *ELIS and HMA*

Introduces new firefighters to fire ground operation including fire behavior, building construction-structural collapse, fire hose water supply, communications, ropes and knots, Self-Contained Breathing Apparatus (SCBA). This is the second of four levels (courses) within the curriculum. This course includes lecture, interactive discussion and practical skills and a written evaluation.

Student Equipment & Supplies: Pen/Pencil, Notebook; Supported reference material and skill book (Must remain in possession of student until the end of all levels); helmet, gloves, turnout coat, turnout pants, boots, protective hood, and protective eyewear (safety glasses or goggles), and SCBA are required for all classes. Students will be provided with a 6' section of practice rope for knot tying.

Exterior Fire Fighter (ELEF)

40 Hours **Prerequisites:** *ELFG and IS-700 and ICS-100.*

Introduces new firefighters to fire ground operation including Self-Contained Breathing Apparatus (SCBA), fire behavior, building construction, fire extinguishers forcible entry, ladders and fire streams/hose line advancement. This is the third of four levels (courses) within the

curriculum. This course includes lecture, interactive discussion and practical skills and a written evaluation.

Student Equipment & Supplies: Pen/Pencil, Notebook; Supported reference material and skill book (Must remain in possession of student until the end of all levels); helmet, gloves, turnout coat, turnout pants, boots, protective hood, and protective eyewear (safety glasses or goggles), and SCBA are required for all classes.

Interior Fire Fighter (ELIF)

48 Hours **Prerequisites:** *ELEF and HMO*

Student must be minimum of 17 years of age on the first day of class. Students 17 years of age must contact HACC for a PSFA ACT 155 Permission Form that must be completed & returned to HACC before the 1st class.

Introduces new firefighters to interior fire ground operations including Self Contained Breathing apparatus (SCBA), Search and Rescue Procedures, Firefighter Survival, Ventilation, Utility and Loss Control, Origin and Cause, and Fire Control (Suppression). This is the fourth of four levels (courses) within the curriculum.

Student Equipment & Supplies: Pen/Pencil, Notebook; Supported reference material and skill book (Must remain in possession of student until the end of all levels); helmet, gloves, turnout coat, turnout pants, boots, protective hood, and protective eyewear (safety glasses or goggles), and SCBA are required for all classes.

Hazardous Materials Training

Hazardous Materials Awareness (HMAJB)

4 Hours *Prerequisites: Minimum age of 14 years old at start of class.*

Provides students with training to initiate an emergency response sequence by notifying the proper authorities of the release. This training prepares them to objectively demonstrate competency to understand what hazardous substances are, the risks, potential outcomes, as well as the ability to recognize and identify their presence, their role to play within situation including site security, safe scene management and how to use the U.S. Department of Transportation (US DOT) Emergency Response Guidebook during a hazardous materials/Weapons of Mass Destruction (WMD) emergency. The primary target audiences for this course are the First Responders (fire, rescue, emergency medical, police etc.) who witness or discover a hazardous substance/materials release.

Student Equipment & Supplies: Pen/Pencil, Notebook

Hazardous Materials Operations (HMOJB)

24 Hours *Prerequisites: Minimum age of 16 by first day of class.*

Provides training for first responders that respond to releases, or potential releases, of hazardous substances as part of the initial response for the purpose of protecting nearby persons, property and the environment. Personnel are trained to respond in a defensive fashion to contain the release from a safe distance, to keep it from spreading and prevent exposures. Participants are trained to recognize basic hazard and risk assessment, how to select and use proper personnel protective equipment, basic hazardous materials terms, basic control, containment and/or confinement operations within the capabilities of the resources and Personal Protective Equipment (PPE) available, basic decontamination procedures and termination procedures.

Student Equipment & Supplies: Pen/Pencil, Notebook; Personal Protective Equipment and Respiratory Protections

Hazardous Materials Operations Refresher (HMORJB)

6 Hours *Prerequisites: HMO or equivalent; Minimum age of 16 by first day of class.*

The primary target audiences for this 6-hour course are the First Responders who have successfully completed a Hazardous Materials Operations course. The Student will review the knowledge and skill requirements for effective scene and response management. This course will provide the First Responder with the training needed to comply with NFPA 472, Chapter 4 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 annual refresher training.

Student Equipment & Supplies: Pen/Pencil, Notebook, Personal Protective Equipment and Respiratory Protections

Structural Firefighting Training

Fire Fighter I Review

16 Hours *Prerequisites: ELIF or EBM with SBS*

Cements and reinforces the basic knowledge and skills required by any fire fighter, who wishes to work efficiently, effectively and safely as part team on the fire ground, or who is preparing for their Fire Fighter I Certification Exam. This course will cover the referenced textbook and will include the practical skill stations used for Fire Fighter I Certification.

Student Equipment & Supplies: Pen/Pencil, Notebook; helmet, gloves, turnout coat, turnout pants, boots, protective hood, and protective eyewear (safety glasses or goggles) and SCBA.

Fire Fighter II Review

24 Hours *Prerequisites: ELIF or EBM with SBS or FFI Certification.*

This 8-hour course is designed for review advanced fire ground operations for the Firefighter II Certification Exam, including Building Construction, Fire Safety Surveys/Fire and Life Presentation, Generators, Lighting Equipment, Technical Rescue, Fire Protection Systems, Service Testing of Hose, Combustible Gas and Liquid Fire Control, Foam, Coordinating Fire Ground Operations Communications, and Advanced Origin, Cause and Arson.

Student Equipment & Supplies: Pen/Pencil, Notebook; helmet, gloves, turnout coat, turnout pants, boots, protective hood, and protective eyewear (safety glasses or goggles) and SCBA.

Fire Brigade Review

4 Hours *Prerequisites:*

The purpose of this course is to prepare students to complete all competencies listed in Basic Industrial Fire Brigade Training (IFBB). Covers the chemistry of fire, hose and nozzles, fire streams, portable fire extinguishers, automatic systems and live firefighting exercises on incipient level fires with extinguishers and small hose streams. The course also reviews fire prevention activities.

Student Equipment & Supplies: Pen/Pencil, Notebook; helmet, gloves, turnout coat, turnout pants, boots, protective hood, and protective eyewear (safety glasses or goggles) and SCBA.

Fire Fighter Survival (SURV)

16 Hours *Prerequisites: EBM or ELIF or FFI Certification*

Covers the necessary knowledge and skills relative to rescue procedures needed for self-rescue. This course emphasizes search techniques, communications, accountability/location, and self-

rescue procedures. This is a physically demanding, comprehensive program, therefore, students must be in adequate physical condition to perform 100% of all practical exercises. Student must be physically able to crawl, ascend and descend ladders, slide on rope and support their own body weight while hanging by their arms.

SAFETY ALERT: The student must completely understand that some specific techniques taught in this course are recommended only in the case of a "last chance" situation and may not be universally approved, recommended or permitted by every training authority or jurisdiction, as they involve a degree of risk acceptable only in an emergency life or death situation. These techniques include some emergency breathing procedures along with self-survival escape from windows via ladder and rope.

Student Equipment & Supplies: Pen/Pencil, Notebook; helmet, gloves, turnout coat, turnout pants, boots, protective hood, and protective eyewear (safety glasses or goggles) and SCBA with a spare cylinder.

Structural Fire Rescue (SFR)

16 Hours **Prerequisites:** *EBM or ELIF or FFI Certification*

This course deals with the philosophy of fire ground rescue, victim handling techniques, search procedures, and the methods of removing victims from above and below grade situations.

Student Equipment & Supplies: Pen/Pencil, Notebook; helmet, gloves, turnout coat, turnout pants, boots, protective hood, and protective eyewear (safety glasses or goggles) and SCBA.

Engine Company Operations I (ECOP)

16 Hours **Prerequisites:** *EBM or ELIF or FFI Certification*

This 16-hour course provides instruction in the duties and responsibilities of an engine company. Discusses fire behavior and spread in structures, methods of calculating needed fire flow and organizing and equipping an engine company. This course provides a series of "hands on" drills involving various engine company evolutions.

Student Equipment & Supplies: Pen/Pencil, Notebook; helmet, gloves, turnout coat, turnout pants, boots, protective hood, and protective eyewear (safety glasses or goggles).

Truck Company Operations I (TRCO)

16 Hours **Prerequisites:** *EBM or ELIF or FFI Certification; minimum age of 18 on first day of class*

Introduces students to the basic concept of truck company operations and duties, including organizing the delivery of truck company services, selection and use of key tools, advanced

ventilation and forcible entry theory and practices, search and rescue and other fire attack support functions. Truck companies, regardless of whether they arrive on an aerial device, squad, or engine, are the 'combat engineers' of fire attack operations.

Student Equipment & Supplies: Pen/Pencil, Notebook; helmet, gloves, turnout coat, turnout pants, boots, protective hood, and protective eyewear (safety glasses or goggles) and SCBA with a spare cylinder.

Truck Company Operations II (ATRC)

16 Hours Prerequisites: TRCO

Allows the student to practice and further refine their ability to effectively and safely perform the fireground duties normally assigned to truck companies

Student Equipment & Supplies: Pen/Pencil, Notebook; helmet, gloves, turnout coat, turnout pants, boots, protective hood, and protective eyewear (safety glasses or goggles) and SCBA with a spare cylinder.

Aerial Apparatus Operations (AELA)

16 Hours Prerequisites: ELIS

Introduces students 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. This course includes classroom work and hands-on practice.

Student Equipment & Supplies: Pen/Pencil, Notebook

Rapid Intervention Team Concepts (RITC)

4 Hours Prerequisites:

Prepares fire department personnel for implementation of a stand-by rescue team at structure fires and certain other incidents. This course covers R.I.T, R.I.C. and F.A.S.T; national standards and the techniques to locate, disentangle and remove a down firefighter. Information is provided from existing fire departments that have utilized the concept successfully.

Student Equipment & Supplies: Pen/Pencil, Notebook

Rapid Intervention Team I

16 Hours Prerequisites: RITC; ELIF or EMB or FFI Certification

Provides personnel the essential knowledge, skills and abilities to function on the fireground as a member of a Rapid Intervention Team (RIT). Staffing the RIT, searching for missing firefighters, accessing and assessing the downed firefighter rescue/removal procedures and integrated exercises. Note: This class is physically demanding. Students participating in this course should be in good physical condition.

Student Equipment & Supplies: Pen/Pencil, Notebook; helmet, gloves, turnout coat, turnout pants, boots, protective hood, and protective eyewear (safety glasses or goggles) and SCBA with a spare cylinder.

Rapid Intervention Team II

16 Hours **Prerequisites:** *RIT I; ELIF or FFI Certification*

This course is designed to build on the concepts covered in Rapid Intervention Teams I that will give students the knowledge, skills and abilities to deal with more complex situations involving rapid intervention team operations.

Student Equipment & Supplies: Pen/Pencil, Notebook; helmet, gloves, turnout coat, turnout pants, boots, protective hood, and protective eyewear (safety glasses or goggles) and SCBA with a spare cylinder.

Fire Attack at Basement Fires

8 Hours **Prerequisites:** *Minimum age of 18 by first day of class; ELIF or SBS*

Provides firefighters with the opportunity to practice recognized techniques for combating fires in common basements. Fires that occur below grade, most often in basements or cellars, are extremely dangerous situations for firefighters. Topics include: hose line selection, hose line advancement techniques, water flow requirements, moving in, innovative firefighting techniques and the use of special nozzles. Emphasis is placed upon safety for both interior and exterior operations.

Student Equipment & Supplies: Pen/Pencil, Notebook; helmet, gloves, turnout coat, turnout pants, boots, protective hood, and protective eyewear (safety glasses or goggles) and SCBA with a spare cylinder.

Fire Attack at Attic Fires

8 Hours **Prerequisites:** *Minimum age of 18 by first day of class; ELIF or SBS*

Provides firefighters with an opportunity to practice recognized techniques for combating fires in attics and cocklofts. Fires that occur within attics or cocklofts are most often extremely dangerous situations for firefighters. Topics include: hose line selection, hose line advancement techniques, water flow requirements, moving in, innovative firefighting techniques and the use of special nozzles. Emphasis is placed upon safety for both interior and exterior operations.

Student Equipment & Supplies: Pen/Pencil, Notebook; helmet, gloves, turnout coat, turnout pants, boots, protective hood, and protective eyewear (safety glasses or goggles) and SCBA with a spare cylinder.

Fire Attack at Sprinklered Properties

6 Hours **Prerequisites:** *Minimum age of 18 by first day of class; ELIF or SBS*

Provides an overview of how sprinkler systems are designed and constructed, reasons why some large loss fires occur despite the presence of sprinklers and ways the fire department can minimize the change of such an occurrence.

Student Equipment & Supplies: Pen/Pencil, Notebook; helmet, gloves, turnout coat, turnout pants, boots, protective hood, and protective eyewear (safety glasses or goggles) and SCBA with a spare cylinder.

Flashover Recognition Training

8 Hours **Prerequisites:** *ELIF or currently enrolled in one of HACC's ELIF courses or FFI Certification or EBM with live burn and/or SBS. Students must be 18 years of age on the first day of class.*

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

Student Equipment & Supplies: Pen/Pencil, Notebook; helmet, gloves, turnout coat, turnout pants, boots, protective hood, and protective eyewear (safety glasses or goggles) and SCBA with a spare cylinder.

Technical Rescue Training

NFPA – 1670 Vehicle Rescue Awareness (NVRA)

24 Hours **Prerequisite:** *Minimum age of 16 on the first day of class; HMA or higher level of hazardous materials training or certification.*

This 24-hour course will provide an awareness-level of information and skills as it pertains to vehicle rescue incidents. Topics will include general vehicle rescue functions/operations; incident management of the vehicle accident/rescue incident; vehicle anatomy, design, and construction; recognition and control of hazards relative to a vehicle accident/rescue incident; and the tools and equipment used at a vehicle accident/rescue incident.

Student Equipment & Supplies: Pen/Pencil, Notebook; helmet, gloves, turnout coat, turnout pants, boots, protective hood, and protective eyewear (safety glasses or goggles); Vehicle Extrication – Levels I & II Principles and Practice (Jones & Barlett 2012) and PA OSFC/BEMS Vehicle Extrication Skills Sheet Book (both books provided to students on the first day of class; must remain in possession of student throughout the entire course).

NFPA – 1670 Vehicle Rescue Operations (NVRO)

20 Hours **Prerequisites:** *NVRA; Minimum of age 16 on the first day of class; HMA or higher level of hazardous materials training or certification.*

This 20-hour course will provide an operations-level of information and skills as it pertains to vehicle rescue incidents. Topics will include: incident management; tools/equipment; vehicle anatomy/design; hazard control, patient access, care, and packaging; disentanglement; extrication and termination. Upon completion of the course, the student will be eligible to complete the PA Joint Rescue Program Basic Vehicle Rescue examination. Additionally, this course will prepare the student to challenge the IFSAC/Pro-Board national certification as a Vehicle Rescue Technician Level I in accordance with NFPA 1006.

Student Equipment & Supplies: Pen/Pencil, Notebook; helmet, gloves, turnout coat, turnout pants, boots, protective hood, and protective eyewear (safety glasses or goggles); Vehicle Extrication – Levels I & II Principles and Practice (Jones & Barlett 2012) and PA OSFC/BEMS Vehicle Extrication Skills Sheet Book (both books provided to students on the first day of class; must remain in possession of student throughout the entire course).

Structural Collapse Operations Level I (SCOA)

4 Hours **Prerequisites:** *ELIS*

Provides the first responder with the knowledge necessary to function effectively during the initial stages of a structural collapse incident. This course discusses the importance of assessing the magnitude of the situation, utilizing available resources, as well as handling the safety of who

are highly stressed. Information necessary for first responders to integrate effectively with specialized collapse rescue teams is also provided.

Student Equipment & Supplies: Pen/Pencil, Notebook

Structural Collapse Operations Level II (SCOF)

16 Hours **Prerequisites:** *SCOA; minimum age of 18 on the first day of class; CSR or BCN or BCP*

Provides fire department and rescue personnel with 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.

Student Equipment & Supplies: Students must have head, hand, eye, ear, foot protection and coveralls.

Structural Collapse Technician

90 Hours **Prerequisites:** *Prerequisites: Firefighter I Certification, or equivalent; current Hazardous Materials Operations or Technician training or certification (NFPA 472); current CPR training (Infant, Child and Adult); current EMS certification (Emergency Responder, First Responder, EMT or EMT-Paramedic); training or certification in accordance with NFPA 1006 – Chapter 5: Rescue Technician General Requirements/Core Competencies; Operations level training, in accordance with NFPA 1670, in the following areas: Vehicle/Machinery rescue; confined space rescue; rope rescue; and trench/excavation rescue.*

Provides the student with the knowledge, skills and abilities to perform rescues at structural collapse scenes due to natural disasters or terrorist incidents in accordance with the FEMA Structural Collapse Rescue Technician curriculum for Urban Search and Rescue (US&R) operations. This course is 90 hours of face to face (Instructor led) training, divided into four major areas: Constructing Emergency Shoring (Interior and Exterior), Lifting and Moving Techniques, Breaching and Breaking, NFPA 1006 Structural Collapse Technician Pro Board/International Fire Service Accreditation Congress (IFSAC) Certification Levels I and II. Every effort is made to ensure consistent terminology and training within the discipline of urban search and rescue (US&R) is used and conducted. This training matches the DHS/FEMA National US&R Response System curriculum. This course concludes with the written and skills testing for the NFPA 1006 Structural Collapse Technician Pro Board/IFSAC Certification Levels I and II via the Pennsylvania State Fire Academy's professional certification guidelines.

Student Equipment & Supplies: Students must have head, hand, eye, ear, foot protection and coveralls.

Trench Rescue Awareness (TRRA)

4 Hours *Prerequisites: Minimum age of 14 on the first day of class.*

Creates student awareness by defining trench, the hazards associated with trenches, common misconceptions about trenches and the dynamics of earth movement. Case studies are provided with a systems approach in dealing with trench incidents prior to the arrival of technical specialists.

Student Equipment & Supplies: Pen/Pencil, Notebook

Trench Rescue Operations (TRRE)

16 Hours *Prerequisites: ELIS or IST or EMR or higher or equivalent discipline-specific training in occupational safety and a minimum of 18 years of age on the first day of class.*

Introduces the student to the knowledge and skills necessary to safely and effectively perform complex rescue operations in collapsed trench excavations. Course work includes practical drills and demonstration in simulated trench excavations.

Student Equipment & Supplies: Students must have head, hand, eye, ear, foot protection

Trench Rescue Technician

48 Hours *Prerequisites: Minimum age of 18 of the first day of class; TRRA or equivalent*

Covers the NFPA 1670 competencies at the technician level for trench excavation and collapse. Topics include: scene size up, hazard recognition and control, soil classification, support operations, shoring of non-intersecting and intersecting trenches, installation of supplemental sheeting and shoring, heavy equipment coordination, patient management and termination procedures.

Student Equipment & Supplies: Students must have head, hand, eye, ear, foot protection

Confined Space Rescue Awareness

4 Hours *Prerequisites:*

Provides the participant with information needed to identify confined spaces and assess the hazards associated with confined spaces to avoid serious injury or death. Information on alarm procedures for handling confined space incidents as a first responder is discussed. This course does not involve, nor does it certify, persons to make confined space entries. This program is ideal for all rescue personnel.

Student Equipment & Supplies: Pen/Pencil, Notebook,

Confined Space Rescue Operations (CSR)

16 Hours **Prerequisites:** *Minimum age of 18 by first day of class; REPA and RORA are recommended prerequisites.*

Covers rescue situations that involve confined spaces. The course topics include definitions, regulations, identification, needs, psychology and techniques. Practical application of rescue techniques will be practiced in real confined spaces. This course requires that students have: note taking materials; a hard hat or helmet with chin strap; work shoes or boots (steel-toe preferred); eye protection; positive pressure Self Contained Breathing Apparatus (SCBA); knee pads, if possible; work clothes including coveralls or items that can be soiled; a 15-20-foot piece of rope for knot tying exercise; two pairs of gloves (one clean pair) for knot tying and one pair that may be heavily soiled. Persons attending this 16-hour training should have experience, expertise or training in subjects, such as respiratory protection equipment, including SCBA, and/or rope rescue or rigging techniques are preferred prerequisites.

Student Equipment & Supplies: Pen/Pencil, Notebook, Hard hat or helmet with chin strap, work shoes or boots (steel-toe preferred), eye protection, positive pressure SCBA, knee pads if possible, work clothing including coveralls or items that can withstand becoming muddy or soiled, a 15-20' section of rope for knot typing exercises, 2 pairs of gloves (1 clean pair for knot tying and 1 pair that may become heavily soiled).

Confined Space Rescue Technician

40 Hours **Prerequisites:** *REPA or equivalent; ROBR; student must be 18 years old on the first day of class.*

Covers the NFPA 1670 competencies at the Technician Level for Confined Space Entry and Rescue Operations. Topics include preplanning, scene size-up and assessment, hazard control atmospheric monitoring, ventilation, respiratory protection, control of hazardous energy, entry procedures, patient management and termination considerations

Student Equipment & Supplies: Pen/Pencil, Notebook

Basic Rigging for Rope Rescue (ROBR)

16 Hours **Prerequisites:** *ELIS or IST*

Introduces participants to characteristics of rope, rope hardware and various knots and hitches. Students participate in patient packaging and stokes basket handling exercises. Students are introduced to basic haul and lowering systems and their practical uses. Most of the program is hands-on and time is allotted for practice to build proficiency.

Student Equipment & Supplies: Pen/Pencil, Notebook, helmet with chin-strap, clean leather gloves, work/hiking-type boots, 15' section of rope and 15' section of 1" tubular webbing (provided to student), students may supply additional personal or department owned equipment, but all such equipment is subject to inspection and/or rejection by the instructors prior to use. (Turnout gear is NOT acceptable PPE for this class)

Rope/High Angle Rescue I (RORE)

16 Hours Prerequisites: ROBR

Introduces students to the various types of rope and related rescue equipment. Students are trained in tying 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 course is hands-on and time is allotted for practice in order to build proficiency.

Student Equipment & Supplies: Pen/Pencil, Notebook, helmet with chin-strap, clean leather gloves, work/hiking-type boots, 15' section of rope and 15' section of 1" tubular webbing (provided to student), students may supply additional personal or department owned equipment, but all such equipment is subject to inspection and/or rejection by the instructors prior to use. (Turnout gear is NOT acceptable PPE for this class)

Rope/High Angle Rescue II (RORA)

16 Hours Prerequisites: RORE

Re-introduces students to the various types of rescue equipment. Students are trained in; mechanical advantage systems, safeties, basic ascending, basic rappelling technique and tie-offs with a rappel rack, rope changes, and one-person rescue. Students 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.

Student Equipment & Supplies: Pen/Pencil, Notebook, helmet with chin-strap, clean leather gloves, work/hiking-type boots, 15' section of rope and 15' section of 1" tubular webbing (provided to student), students may supply additional personal or department owned equipment, but all such equipment is subject to inspection and/or rejection by the instructors prior to use. (Turnout gear is NOT acceptable PPE for this class)

Water Rescue Awareness for the First Responder (WRFR-A)

16 Hours Prerequisites: Minimum age of 18 by first day of class

Covers scene assessment, activation of the emergency response system, evaluation of potential and existing water hazards, scene management, rescue vs. recovery and personal safety measures. This course is for individuals who may respond to a water emergency.

Student Equipment & Supplies: Pen/Pencil, Notebook, US Coast Guard approved Type III or Type V Personal Floatation Device, PPE as examples, provided student workbooks.

Water Rescue & Emergency Response (WRER)

16 Hours

Prerequisites: Minimum age of 18 by first day of class; Must be able to swim and meet Pennsylvania Fish and Boat Commission (PFBC) Swim Standard Guidelines for curriculum

Aids participants in planning for water emergencies. This course covers the dynamics of moving water, medical conditions, personal safety and fundamental rescue techniques (self and shore-based)

Student Equipment & Supplies: Pen/Pencil, Notebook, US Coast Guard approved Type III or Type V Personal Floatation Device, PPE as examples, properly outfitted water rescue helmet, proper PPE.

Leadership/Support Training

Introduction to Fire Officership (INFO)

16 Hours *Prerequisites: EBM or ELIF, or FFI Certification*

This course is designed for new line officers or as a refresher for experienced ones, 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.

Student Equipment & Supplies: Pen/Pencil, Notebook

NFA Incident Safety Officer (NFA-ISO)

16 Hours *Prerequisites: NICS-FS or NICS-EMS or ICS, and HMO*

Discusses the Safety officer's responsibilities, which 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. This course focuses on the incident and the role the Incident Safety Officer (ISO) plays as part of the Command Staff. This course is designed for 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 training provides the student with the decision-making process and skills required to recognize unsafe acts and conditions and take appropriate corrective actions.

Student Equipment & Supplies: Pen/Pencil, Notebook, Student Manual provided.

Educational Methodology for Local Level Instructor (EMLL) with Fire and Emergency Service Instructor I (FSI I) Certification

40 Hours *Prerequisites: 18 years of age. A computer with reliable internet access is required for out-of-class assignments. Experience with word processing and presentation applications (such as Microsoft Word and PowerPoint) is strongly recommended. Course is limited to twenty (20) Students.*

A completed PSFA FSI I certification application must also be received by HACC no later than two (2) weeks prior to the start of class. The application must be typed or PDF-filled, and hand-signed.

Course Description: The EMLL Course will prepare the successful candidate to effectively instruct adult students in fire and emergency services. Topics include theories of adult learning, instructor roles and responsibilities, legal and ethical requirements, safety, lesson objectives and planning, methods of knowledge and skill instruction, student evaluation, and training program

coordination. Students will develop lesson plans and present several lessons upon which they will be evaluated.

EMLL and FSI I certification is required for application to become a PSFA Local Level instructor (non-suppression).

Student Equipment & Supplies: Pen/Pencil, Notebook, Protective clothing appropriate for practical demonstration sessions, Out-of-class access to a computer, print, and internet, Access to reference materials (print or electronic) appropriate for assigned/selected lesson topics.

Fire and Emergency Services Instructor II (FSI II) Certification

24 Hours *Prerequisites: EMLL; FSI I*

Provides students, who have successfully completed Educational Methodology training and Fire Instructor I certification, with the knowledge and skills necessary to achieve Fire Instructor II certification in accordance with NFPA 1041.

Student Equipment & Supplies: Pen/Pencil, Notebook

Riding the Front Seat

8- or 16-Hours *Prerequisites:*

Covers the responsibilities of the company officer riding assignment and provides students with an orientation to the process of managing the first 10 minutes of an incident, pending the arrival of a more experienced line officer. Intended for new officers, this 16-hour course includes 10 hours of Lecture time and 6 hours of Lab time. This course operates on an "as needed," or contract basis, that can be customized to meet the employer's needs whether administered at a contracted facility, or a HACC campus, self-paced in-class room lecture/lab environment or through an online delivery approach. The condensed eight-hour version of this course is intended for aspiring officers, or non-officer personnel, who may frequently fill the company officer riding assignment and covers responsibilities of the that riding assignment. This course provides students with an orientation to the process of managing the first 10 minutes of an incident pending the arrival of a line officer. This condensed version is lecture-only iteration of the full 16-hour version listed above. This version may be delivered entirely online.

Student Equipment & Supplies: Pen/Pencil, Notebook

Fire Officer I (FOI)

48 Hours *Prerequisites: FFII; FSI I; HMO or HMOR; ICS-200*

Provides current and aspiring officers and officer candidates, from career, volunteer, federal and combination fire service organizations with an educationally sound, objective-based course of instruction predicated on NFPA 1021- Standard for Fire Officer Professional Qualifications,

Chapter 4 2009 Edition. Students must attend 100% of class sessions and submit all homework assignments on time to be eligible to receive a certification of completion.

Student Equipment & Supplies: Pen/Pencil, Notebook

Fire Officer II (FOII)

48 Hours **Prerequisites:** *FFII; FSI I; FOI; HMO or HMOR*

Provides current and aspiring officers and officer candidates for career, volunteer, federal and combination fire service organizations with an educationally sound objective based course of instruction as it expounds upon the administrative and operational readiness challenges of a mid-level supervisor (company officer/commander/captain) encounters on a daily basis. This 48-hour course is designed as a sequel to the Fire Officer I course.

Student Equipment & Supplies: Pen/Pencil, Notebook;

Reading Smoke

4 Hours **Prerequisites:**

Emphasizes proper training and utilization of available resources for learning to read smoke to reduce the number of firefighter deaths/injuries in Pennsylvania. Officers and firefighters need to develop their ability to read smoke conditions to make safe and effective decisions on the fire ground. In this course, students are introduced to the techniques and “art” of reading smoke. Students have the opportunity to observe films of actual fires and then discuss how to handle these situations to better understand the importance of reading smoke.

Student Equipment & Supplies: Pen/Pencil, Notebook

Incident Command System 300: Intermediate ICS for Expanding Incidents

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

Provides training for personnel who require advanced application of the Incident Command System (ICS). This course expands upon the information covered in the ICS 100 and 200 courses. Presents an in-depth focus on the NIMS Incident Command System that includes the tools, practices and procedures that are available in ICS to effectively manage emergency incidents or planned local events at a local level. Ensures that responders recognize the basic ICS

concepts that allow an incident management organization to expand and contract, as needed, to fit the incident and maintain its operational effectiveness.

Student Equipment & Supplies: Pen/Pencil, Notebook

Incident Command System 400: Advanced ICS Command and General Staff for Complex Incidents

28 Hours **Prerequisites:** *Incident Command System (ICS)-100, ICS-200 and ICS-300 or equivalent*

Covers the steps involved in handling an Incident Command System. This course discusses the fundamentals for Command General Staff; major and complex types of incidents and events; multi-agency coordination; and circumstances surrounding the need to establish area command systems. 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.

Student Equipment & Supplies: Pen/Pencil, Notebook

Fire Inspector I (FI I) Certification

40 Hours **Prerequisites:**

Provides students with an in-depth review of the skills attendant to the duties of a Fire Inspector I job performance requirements of the NFPA 1031.

Student Equipment & Supplies: Pen/Pencil, Notebook

Driver/Operator Training

Pump Operations I (PUOP)

16 Hours **Prerequisites:** *ELFG or EBM and must be a minimum age of 18 by first day of class*

Provides the fire fighter with an introduction to basic pump construction and theory, as well as operating techniques. The course emphasizes getting water to the pump, getting water from the pump for hose streams and prevention of common mistakes in pump operations. Students must have their PPE / PPC and departmental apparatus.

Student Equipment & Supplies: Pen/Pencil, Notebook; helmet, gloves, turnout coat, turnout pants, boots, protective hood, and protective eyewear (safety glasses or goggles)

Pump Operations II (PUOA)

16 Hours **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, and elevated master streams.

Student Equipment & Supplies: Pen/Pencil, Notebook; helmet, gloves, turnout coat, turnout pants, boots, protective hood, and protective eyewear (safety glasses or goggles).

Rural Fire Ground Water Movement (RFWM)

16 Hours **Prerequisites:** *ELIS*

Introduces the student to basic methods of water movement in the rural area for firefighting. Tank trucks and large diameter hose are utilized. Safe, efficient, and recommended methods are discussed, demonstrated, and practiced.

Student Equipment & Supplies: Pen/Pencil, Notebook, Turn Out Gear

Emergency Vehicle Operator Training (EVOT)

16 Hours **Prerequisites:** *Minimum age of 18 by first day of class and a current & valid PA Driver's License*

Provides students with the opportunity to gain and/or verify a broad range of competencies associated with the emergency vehicle driving. These competencies include basic understanding of emergency vehicle operations as well as the skills necessary for practical and safe application of driving on a competency course. This course recognizes that a large number of emergency service personnel and civilians are injured and killed each year as a result of inappropriately driven emergency vehicles.

Student Equipment & Supplies: Pen/Pencil, Notebook, VFIS Participant Manual (provided to student), and an approved emergency vehicle to operate the competency course.

Emergency Services Trailer Operations and Safety Program

16 Hours **Prerequisites:** *Minimum age of 18 by first day of class and a current & valid PA Driver's License; students must provide an approved emergency vehicle/trailer.*

Provides students with the opportunity to gain and/or verify competencies associated with safety operating and working in the presence of an emergency services pull-behind trailer. The competencies include the basic understanding of hooking up to and towing a trailer, as well as the skills necessary for practical and safe application of driving on a competency course.

Student Equipment & Supplies: Pen/Pencil, Notebook, VFIS Participant Manual (provided to student), and an approved emergency vehicle to operate the competency course.

Basic Fire Police (BFPO)

16 Hours **Prerequisites:** *Minimum age of 18 by first day of class; IS-100.B: Introduction to Incident Command System, ICS-100.*

Provides instruction on the proper method to be appointed, the laws pertaining to fire police, fire police powers and the expected duties of a new fire police officer.

Student Equipment & Supplies: Pen/Pencil, Notebook, Student Training Manual: Basic Fire Police (provided to student, must remain in possession of the student throughout the entire course), Personal protective equipment to include: head protection, vest, whistle, badge, proper footwear for outside activities, flashlight, and gloves.

Advanced Fire Police (FIPA)

16 Hours **Prerequisites:** *FIPO or BFPO*

This course expands on the knowledge, skills and abilities presented in the Basic Fire Police curriculum and provides fire police officers with more advanced training for leadership positions within fire police organizations. This course provides instructional review of the laws pertaining to fire police powers and the expected duties of a fire police officer to include health and safety and legal aspects of performance. Fire Police Officers will also be taught how to deal with people, how to manage incident response and leadership qualities.

Student Equipment & Supplies: Pen/Pencil, Notebook, Student Training Manual: Beyond the Basics for Fire Police

Supplemental Training

Fire Dynamics: Fundamentals (FDF)

3 Hours *Prerequisites: ELEF*

This course provides the firefighter the basic knowledge to reinforce the evidence-based research conducted by Underwriters Laboratories (UL), National Institute of Standards and Technology (NIST), Alcohol Tobacco and Firearms (ATF) and other fire service organizations. This course introduces new terminology related to fire dynamics, legacy verse modern fuel loads, new construction techniques, flow paths, door control, and ventilation that all impact fire ground operations.

Student Equipment & Supplies: Pen/Pencil, Notebook

Fire Dynamics: Strategy & Tactics (FDST)

4 Hours *Prerequisites: FDF*

This course provides the firefighter the basic knowledge of strategy and tactics and how to apply the evidence-based fire research conducted by Underwriters Laboratories (UL), National Institute of Standards and Technology (NIST), Alcohol Tobacco and Firearms (ATF) and other fire service organizations to fire ground operations. This course introduces new terminology related to fire dynamics, ventilation, flow paths, door control, transitional fire attack, basement fires, and new concepts for developing strategy and tactics.

Student Equipment & Supplies: Pen/Pencil, Notebook

Principles of Building Construction: Combustible (BCP)

16 Hours *Prerequisites: ELIS or IST*

Provides knowledge about the classification system of buildings, the importance of fire resistance for structural support elements and the risks associated with performing fire-suppression activities inside and around buildings involved in fire. One additional major goal of this course is to enhance the skills of emergency response personnel so that they can read a building correctly and apply the information to the action plan for the incident.

Student Equipment & Supplies: Pen/Pencil, Notebook

Principles of Building Construction: Non-Combustible (BCN)

16 Hours Prerequisites: ELIS or IST

Identifies building failures or components under fire conditions. The course emphasizes the ability to recognize and locate relevant information about a building before a fire, and to "read" a building during the course of a fire incident, to be 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.

Student Equipment & Supplies: Pen/Pencil, Notebook

Arson Detection for First Responders (ADFR)

16 Hours Prerequisites: ELIS

The course covers topics which fire suppression personnel must be familiar with in order to facilitate origin and cause determination and possible subsequent investigation of intentionally set fires.

Student Equipment & Supplies: Pen/Pencil, Notebook, provided copy of student manual.

Elevator Incident Awareness

4 Hours Prerequisites:

Acquaints participants with the types of elevator installation and the components of the installations. The use of elevators during a fire is discussed, as well as the proper procedures for handling of other elevator incidents not involving fire. Elevator Rescue equipment is introduced and safety equipment, field assembled equipment as generally carried by rescue companies. A strong orientation to patient care and associated problems is utilized.

Student Equipment & Supplies: Pen/Pencil, Notebook

Elevator Rescue Operations

16 Hours Prerequisites:

Provides students with the basic Awareness and Operations level knowledge and skillsets. This class is a basic elevator class. This enables them to safely and competently operate at elevator rescue related incidents.

Student Equipment & Supplies: Pen/Pencil, Notebook

Handling Elevator Incidents

16 Hours Prerequisites:

Serves to familiarize emergency services personnel with the various elevator types and construction and their operation during various non-emergency and emergency operations. Upon completing this course, a student is able to operate safely and ensure the safety of civilians, while performing operations that involve elevators.

Student Equipment & Supplies: Pen/Pencil, Notebook

Wilderness / USAR Training

Wilderness Search & Rescue: Search Responder (WRSR)

16 Hours Prerequisites: ELIS

Presented in a combination of classroom and fieldwork Teaches participants the basic search operation techniques and organizational skills to both the first responding units, and requested resources, during a missing person incident. Students are specifically taught search management techniques, performing hasty searches and utilizing maps and search plan organization.

Student Equipment & Supplies: Pen/Pencil, Notebook, Field Clothes

Wilderness Search & Rescue: Search Management (WRSM)

40 Hours Prerequisites: ELIS.

Teaches students search operation techniques and organizational skills involved when units respond to a lost person incident. This course specifically covers search management techniques, the importance of search organization, debriefing through investigation and interviewing techniques. Other topics discussed are: mapping skills, identifying clues and lost person behavior.

Student Equipment & Supplies: Pen/Pencil, Notebook, Field Coordinator Guide Book

Wilderness Search & Rescue: Basic Grid Team (WRGT)

8 Hours Prerequisites: WRSR

Presents students with knowledge and practical experience with hasty searches (non-area searches) and loose grid search techniques. Students are also taught basic survival skills and techniques for reporting their location during search and rescue incidents.

Student Equipment & Supplies: Pen/Pencil, Notebook, Field Clothes

Wilderness Search & Rescue: Advanced Grid Team (WRGA)

8 Hours Prerequisites: Minimum age of 18 by first day of class; WRG T

Presents students with knowledge and practical experience with hasty searches (non-area searches) and loose grid search techniques. Students are also taught basic survival skills and techniques for reporting their location during search and rescue incidents.

Student Equipment & Supplies: Pen/Pencil, Notebook, Field Clothes

Urban Search and Rescue: Planning Team Manager

38 Hours *Prerequisites:*

Provides jurisdictions with the same training received by the FEMA Urban Search and Rescue (US&R) Planning Team Training Course. This course prepares first-responders to work as part of an urban search and rescue task force to respond to natural, man-made disasters and acts of terrorism requiring technical rescue operations. Topics covered are the knowledge, skills and abilities necessary to perform the duties as a member of the FEMA US&R Planning Team on a FEMA US&R Task Force when combined with adequate documented practical experience.

Student Equipment & Supplies: Pen/Pencil, Notebook

Urban Search and Rescue: Task Force Leader

24 Hours *Prerequisites:*

Provides necessary training to prepare Urban Search and Rescue (US&R) Task Force Leaders for deployment to an incident in a timely, competent and effective manner and to follow the policies and procedures of the National US&R System. Upon completion of the course, participants are able to successfully perform the position of Task Force Leader on a US&R team.

Student Equipment & Supplies: Pen/Pencil, Notebook

Urban Search and Rescue: Task Force Safety Officer

25 Hours *Prerequisites: Prerequisites: Must successfully complete the Computer-Based Training (CBT) portion of this course (approx. five hours). Login directions are provided upon registration.*

Provides Urban Search and Rescue (US&R) Task Force personnel with the knowledge, skills and abilities necessary to perform the duties of a Task Force Safety Officer (TFSO) on a US&R task force. The course topics include: Risk Management, Roles and Responsibilities of the US&R Task Force Safety Officer, Normalization of Deviance, Risk Factors, Hazard Mitigation, Risk Reduction and Real-World Scenarios. This course is 25 hours of face-to-face training.

Student Equipment & Supplies: Pen/Pencil, Notebook

Urban Search and Rescue: Search Technician

28 Hours *Prerequisites:*

Provides students with the knowledge, skills and abilities necessary to perform technical search functions for an Urban Search and Rescue team during a disaster or a planned event. The course covers all necessary knowledge, skills and abilities for technical search personnel to develop strategy and tactics to implement search during recon and operations at structural collapse operations. It provides necessary instruction on use, care, maintenance and tactical applications

of all search tools carried in the cache, as well as information on how technical search integrates into the overall operation.

Student Equipment & Supplies: Pen/Pencil, Notebook