



CORPORATE &



**PUBLIC
SAFETY**

EDUCATION



Community Education - Fire & Rescue Courses

CORPORATE & PUBLIC SAFETY

Northampton Community College

Every person who passes through our department will positively impact someone's life

The Corporate & Public Safety Education Department at NCC provides comprehensive, hands-on training in credit, non-credit and customized curriculum.

Credit Curriculum

Our credit curriculum is fully accredited by the Middle States Association and features associate degrees in applied science in Emergency Services and Construction Management. Credit courses are also available in Emergency Medical Services.

Non-credit Curriculum - Emergency Responders

Northampton Community College provides "tuition free" credit and non-credit courses to certified Northampton County emergency responders under an agreement with the county. Responders who serve outside of Northampton County may also request training and are assessed fees based upon the course. Discounts are available for group training sessions. All agency training is available on-demand.

Non-credit Curriculum - Industrial & Institutional Safety

The Corporate & Public Safety Education Department provides safety and emergency preparedness training to schools, organizations and businesses. We offer programs that are state and nationally compliant and are designed by local health and safety experts to promote and assure a climate of productivity and well being. We also offer customized curriculum that is tailored to meet the specific needs of your organization. All industrial and institutional safety can be conducted on-site or on-campus at a time that best accommodates your organization.

The Corporate & Public Safety Education Department is committed to providing your organization with a positive and rewarding training experience. We measure our success when the information delivered in our programs and courses prevent tragedy and save lives. For more information on our programs please visit us online at www.northampton.edu/prof_com/cps.

Non-Credit Program Overview

Non-Credit Program



Northampton Community College offers a wide variety of non-credit programs for individuals requiring critical information or skill sets to function effectively in the emergency services. All programs provide a basic foundation or advanced skills for those pursuing proficiency as emergency responders. Whether you are a volunteer or career person serving our community as an emergency responder, the information and training available will enable you to perform life and property saving skills when needed. Your dedication to serving the community is reciprocated in the commitment NCC has made to those who serve by providing high quality programs and educational opportunities that will support our emergency services in their pursuit of excellence.

Course Format & Content

Instruction consists of classroom discussion, demonstration, lecture, simulation, small group activity, practical application and exercises as needed to develop proficiency of course subject matter. All State Fire Academy accredited courses will meet the minimum standards as established by the Pennsylvania State Fire Academy.

Course Lengths & Schedules

Course lengths are based on the nature of subjects being covered as well as educational concerns. Considerations and concerns include complexity of content, safety issues, classroom time, and practical exercise time. Course schedules can be flexible in regard to the needs of the requesting agency or institution. Schedules are usually arranged by mutual consent of the instructor, the requesting organization and the College.

Training Request

For the emergency response community, courses listed in this catalog are available to be scheduled and delivered per agency request throughout the year by completing the Local Level Course Application. The application can be found at www.northampton.edu/prof_com/cps. The completed application should be submitted to Northampton Community College, Attn: Corporate and Public Safety Education, 511 East Third Street, Bethlehem, PA 18015. Completed applications can also be faxed to (610) 332-6556. **The application should be submitted at least six weeks prior to the course start date.**

Course Enrollment Procedures & Cancellation Policy

For the emergency response community, in order for a host agency to qualify for tuition free instruction, a minimum number of students must be enrolled in the requested course. The minimum class enrollment is fifteen students for most but not all programs. Host organizations will be given the minimum number of students required for the requested course to qualify for a tuition free on-site course delivery. Approximately one week prior to the start of the requested course, host agencies should assess the projected number of students that will likely be in attendance at the start of the class. The host agency may elect to cancel the program if projected or pre-registration numbers are below the minimum number required. "Walk-in" registration on the first day of the course will be permitted to fill any vacancies up to the class maximum. Classes that have filled to capacity will not allow "walk-in" registration.

In order for classes to run when student count minimums have not been met or exceeded, the host agency can elect to "buy out" any unfilled vacancies. The "buy out" option must be exercised at the conclusion of the registration period. Host agencies must either cancel or agree to "buy out" at least seven days before the scheduled course start date. "Walk-in" students will be entered on the class roster for a final tally of students. Agency financial responsibility will be calculated up to the class minimum. Fees vary per course. Final costs per student will be indicated on the *Service Agreement to Provide Course with Attendance Below Minimum*. Invoices will be issued at the conclusion of the class. All invoices are due and payable upon receipt. Failure to cancel or "buy out" will result in the host agency being liable for lost instructor wages and associated costs. Failure to pay any fees or costs will result in the agency being suspended from tuition free programs.

Host agencies can also request "agency member only" programs by agreeing to pay a fee for each student under the class minimum. This option must be stated at the time of original class request. Agency restricted classes will not be advertised or listed in promotional publications.

Course Locations

Course sessions are usually held at local emergency service agencies. Host agencies are expected to offer their facilities, tools, and equipment as part of the sponsoring agreement. Some courses are offered on one or more of the Northampton Community College campuses or at the Northampton County Fire School training grounds.

Northampton County students and agencies can find course locations and times via the E 91 1 station rip and run sheets, Northampton County Fire School Website at www.ncfireschool.org or by contacting Northampton Community College at 1-800-498-6158, extension 5467 or tbarnowski@northampton.edu.

Instructor Credentials & Qualifications

Instructors are selected from a list of certified instructors as approved and accredited by one or more of the following certifying agencies: Pennsylvania State Fire Academy, Pennsylvania State Department of Health, Pennsylvania Fish Commission, American Heart Association, American Red Cross, National Safety Council or other certifying organization as recognized by Northampton Community College.

Student Responsibilities

Students are responsible for the following:

1. Material presented in class
2. Adequate performance of practical skills
3. Attendance as required
4. Books and reference materials
5. Make up of missed assignments or exams
6. Conduct in accordance with policies and guidelines of certifying agency, Northampton Community College, and Northampton County Fire School
7. Policies as stated by instructor at the beginning of class
8. Essential Functions as outlined in course requirements

Students will be suspended or expelled from class for violation of these established policies. Any fees collected or due from the student or the sponsoring agency of the student will not be refunded or waived.

Training & Attendance Certificates

Certificates issued to students will be either completed training certificates or satisfactory attendance certificates. The course content and requirements will determine the type of certificate to be awarded. Certificates will only be awarded to those students that have successfully completed all course objectives and attendance requirements.

Absence exceeding 10% of the prescribed hours automatically disqualifies the student from receiving a certificate, unless missed hours or sessions are made up with an approved instructor. The lead instructor of the course will supervise and approve any and all make up time. Accommodations will be considered for students with valid reason or justification for absence or incomplete course requirements.

Students completing a Pennsylvania State Fire Academy course will receive a Pennsylvania State Fire Academy sealed certificate. Students completing other courses certified by recognized organizations will receive certification documents as outlined by the associated organization. Successful students having completed courses originating from Northampton Community College will receive Northampton Community College certificates.

Tuition & Fees

Tuition rates vary based on the course being offered. Inquiries and rate quote information can be found on the Web site or can be made via e-mail to tbarnowski@northampton.edu. Out-of-county emergency response agencies can request on-site training programs. Tuition and materials can be quoted at a discounted per student contract rate based on the anticipated attendance numbers. Contact the Public Safety Director at tbarnowski@northampton.edu for information.

For Northampton County Participating Response Agencies, BETA courses are free with a completed tuition waiver form from the participating Northampton County Agency. Students who do not qualify for tuition waiver are assessed tuition based on prevailing tuition **and** materials rates. The College reserves the right to request documentation to prove residency. Please visit www.northampton.edu to view the residency policy in its entirety.

Non-Credit Course Category Listing

Non-Credit Programs Listed By Category

Bureau of Forestry (BF)

Courses are specifically for Wildland Firefighters and those training to become Wildland Firefighters.

Basic Wildland Fire Fighting

Community Preparedness Safety

For homeowners or citizens wanting to increase their knowledge about fire safety and education.

Community Emergency Preparedness
Community Emergency Response Teams
Emergency Response Homeowners Awareness
Fire and Life Safety Preparedness Basics
Introduction to Fire and Life Safety
Public Fire Education Planning
Residential Fire Life Safety

Fire/Emergency Vehicle Operation (FA)

Courses for Fire, Rescue and EMS emergency service driver/operator. Courses are applicable for novice and experienced driver/operator.

Aerial Apparatus Practices
Aerial Apparatus Practices Extended
Dynamics of Emergency Vehicle Response
Emergency Vehicle Driver Training
Emergency Trailer: Tow/Operator Skill Course
Fire Engineering Comprehensive: Driver Operation (Novice)
Fire Engineering Comprehensive: Driver Operation (Experienced)
New Aerial Apparatus Familiarization
Tanker Water Supply

Fire Police (FP)

Courses specifically for fire police and cover duties and functions of the fire police in emergency and non-emergency situations.

Advanced Fire Police
Basic Fire Police
Communications and Public Relations for Fire Police
Emergency Response for Fire Police
Fire Police in Non-Emergency Operations
Highway Incident Scene/Safety and Traffic Control
Legal Concepts for Fire Police

Firefighter/Fire Suppression (FS)

Courses cover the discipline and roles and responsibilities of firefighting. Basic courses for the probationary firefighter and advanced courses for the seasoned firefighter are available.

Automatic Detection and Suppression System
Basic Fireground Skills Refresher (EFFR)
Carbon Monoxide Detector Responses
Electrical Emergencies
Engine Company Operations
Exterior Firefighter
Farm and Barn Fire Fighting
Fire Ground Support
Fire Fighter Safety & Survival
Fire Fighter I Skills Enhancement Course
Flammable Liquid Fire Fighting
Foam Fire Fighting Basic (National Foam)
Foam Fire Fighting Technician (National Foam)

Forcible Entry
High Rise Fire Fighting
Interior Firefighter
Introduction to the Fire Service
Introduction to Positive Pressure Ventilation
Large Diameter Hose
Pre-Fire Incident Planning Preparatory Course
Propane Emergencies Awareness
Propane Emergencies Operation
Propane Emergencies Technician
Propane Gas Practical Exercises
Pump Operations I
Pump Operations II
Rapid Intervention Teams
Respiratory Protection I
Respiratory Protection II
Rural Fire Ground Water Movement
Structural Burn Session
Truck Company Operations I
Truck Company Operations II
Vehicle Fire and Other Emergencies
Ventilation Practices

Hazardous Material Section (HM)

Applicable for ALL emergency services personnel. Courses prepare personnel to operate safely on a hazardous materials scene. Courses also available on the recognition and response criteria for domestic terrorism.

Decontamination Practices
Emergency Response to Terrorism: Basic Concepts
Emergency Response to Terrorism: Tactical Consideration
Hazardous Materials Awareness Level 472
Hazardous Materials Defensive Practices
Hazardous Materials Operations Level 472
Hazardous Materials Operations Level 472 Refresher
Mass Decontamination Training: NEPA-ERG
Radiological Assistant Initial Course
Radiological Assistant Instructors Course
Radiological Assistant Refresher Course
Radiological Officer Initial Course
Radiological Officer Refresher Course
Radiological Response Team Refresher Course
Operational Hazard Communication

Instructor Development

Courses for individuals wanting to become instructors and for training, company and chief officers who deliver training.

Educational Methodology for Local Level Instructors
Instructional Techniques for Company Officers (NFA)
Managing Company Tactical Operations: Decision Making
Managing Company Tactical Operations: Preparation
Managing Company Tactical Operations: Simulations
Managing Company Tactical Operations: Tactics
Store/Mall Mercantile Fire Fighting
Voluntary Certification Evaluator Development
Volunteer Emergency Services Management, Introduction to
Volunteer Retention & Recruitment: Problems & Solutions

Non-Credit Programs Listed by Category

Safety Management/Command

Courses for new and experienced Incident Commanders, Company Officers and Senior Firefighters on commanding basic or complex incidences and supervision and safety methods of firefighting forces.

Advanced ICS for Command and General Staff, Complex Incidents and MACS
Basic Incident Command System: I-200 Single Response & Initial Action Incidents
Conducting Basic Fire Prevention Inspections, NFA
Emergency Communications
Emergency Services and the Media
Fire Officership, Introduction to
Health and Safety Officer
Incident Command System - ICS 100
Incident Command and Management Interactive
Incident Command System for Emergency Medical Services
Incident Safety Officer (NFA)
Intermediate ICS for Expanding Incidents for Operational First Responders
Introduction to Unified Command for Catastrophic/Multi Agency Response
IS 800 National Response Plan
Leadership I: Strategies for Company Success (NFA)
Leadership II: Strategies for Personal Success (NFA)
Leadership III: Strategies for Supervisory Success (NFA)
Legal Aspects for the Fire Service
Management of Emergency Medical Services
National Incident Management System - IS 700
National Incident Management System for Emergency Medical Services (NFA)
National Incident Management System for the Fire Service - IS 200

Medical/First Aid/Emergency Care (MD)

Courses for emergency responders dealing with injuries and for the general public.

Infection Control for Emergency Response Personnel: The Supervisor's Role, NFA

Pennsylvania Fish Commission (FC)

Courses for emergency responders dealing with waterways in their communities. Courses available in basic and advanced water rescue.

Ice Rescue and Emergency Response
Water Line Systems Phase III
Water Rescue Phase I
Water Rescue Phase II

Rescue (RQ)

Courses on rescue disciplines of emergency services.

Basic Rescue Practices (Department of Health)
Basic Rigging for Rope Rescue
Basic Vehicle Rescue Awareness
Basic Vehicle Rescue Operations Level
Basic Vehicle Rescue Technician
Bus Rescue
Cave Rescue Basic Orientation
Confined Space Rescue
Emergency Response Ropes and Knots
General Fire Service Rescue
PA Basic Vehicle Rescue
Rope/High Angle Rescue I

Rope/High Angle Rescue II
Special Vehicle Rescue (Department of Health)
Structural Collapse Operations, Level I
Structural Collapse Operations Level II
Structural Fire Rescue
Trench Rescue Operations
Wilderness Search & Rescue Search Management
Wilderness Search & Rescue/Advanced Grid Team
Wilderness Search & Rescue/Basic Grid Team
Wilderness Search and Rescue/Search Responder

Specialized Emergency Services

Specialized courses for specific areas of expertise for emergency responders.

Aircraft Burn Session
Aircraft Crash Rescue Short Course (ACFR)
Aircraft Fire Fighting, Introduction to
Aircraft Fire Rescue, Introduction to
Aircraft Rescue and Fire Fighting
Airport Annual Burn
Arson Awareness for Emergency Response Personnel
Arson Detection for the First Responder
Arson Investigation
Fire and Arson Investigation (Electrical I Overview)
Fire Arson Investigation
Fire Attack in Sprinklered Properties
Hot Air Balloon Fire Emergency Awareness
Introduction to Aircraft Smoke Evacuation and Rescue
Introduction to Air Purifying Respirators Millennium Emphasis
Introduction to Air purifying Respirators Millennium Expanded
Introduction to Emergency Response Group GO Kits
Patrol Response Awareness with Air Purifying Respirators
Public Fire Education Planning, NFA
Public Relations for the Fire and Emergency Services
Silo Emergencies

Construction/Codes/Inspection

Courses applicable for emergency services partners and fire inspectors. Topics include identification and workability of building construction in correlation with fire suppression and blueprint reading for new construction and rehabilitation of buildings.

Blue Print Reading and Plan Review
Building Code Official (PCCA)
Building Construction (Principles of): Wood and Ordinary Combustible (NFA)
Principles of Building Construction-Noncombustible (NFA)(BCN)

Non-Credit Course Category Listing

Non-Credit Programs Listed By Category

Emergency Medical Programs

Adult Heartsaver CPR/AED
Airway & Airway Practical (DOH/EMT)
Allergies
Ambulance Operations (DOH/EMT)
Baseline Vital Sign & Sample HX (DOH/EMT)
Basic Life Support Instructor Course
Basic Life Support for Health Care Provider AED/CPR
Basic Vehicle Rescue Awareness
Basic Vehicle Rescue Operations Level
Basic Vehicle Rescue Technician
Behavioral Emergencies
BLS Healthcare Provider Renewal AED/CPR
Blood Borne Pathogens & Infectious Disease
Cardiac Emergency
Environmental Emergencies (DOH/EMT)
Focused H & P - Medical (DOH/EMT)
Focused H & P - Trauma (DOH/EMT)
Human Body (DOH/EMT)
Injuries to the Head & Spine (DOH/EMT)
Lifting and Moving Patients (DOH/EMT)
Medical/Legal & Ethical Issues (DOH/EMT)
Musculoskeletal Injuries (DOH/EMT)
Obstetrics & Gynecology (DOH/EMT)
Ongoing Assessment (DOH/EMT)
Standard First Aid
Standard First Aid & Heart Saver CPR/AED
Street Survival for Emergency Medical Personnel
Soft Tissue Injuries (DOH/EMT)

Infant & Children Emergency Medical Programs

Heartsaver CPR: Pediatric Infant & Child
Infants & Children (DOH/EMT)
Poisoning & Overdoes Emergency (DOH/EMT)

Early Childhood Courses

American Heart Association Pediatric First Aid for Childcare Providers
Asthma-ECELS Early Childhood
Childcare Practitioners Fire Safety Awareness
Children with Special Needs
Common Illnesses Workshop
Food Allergies
Heartsaver CPR: Pediatric Infant & Child
Introduction to Fire Safety for Child Care Practitioners
Introduction to Playground and Active Play Safety
Keystone Color Me Healthy Workshop
Preventing Injury During Active Play: ECLS Early Childhood
Safe Medication Administration in Child Care

In this section, you will find detailed information for each non-credit course offered. The number of class hours and laboratory hours the class meets are listed after the course description along with any gear the course requires. The key for the gear is located on page 36. The prerequisite and/or corequisites, if any, follow the description. Prerequisites must be completed with a passing grade unless otherwise specified. Courses are arranged following the Non-credit Program Category Listing on pages 11-12. A comprehensive course index can be found on pages 37-38.

Bureau of Forestry

BETE 7072 Basic Wildland Firefighting/PA-130 (WBFF)

The course emphasizes safety, basic skills and teamwork in preparing individual wildland firefighters to work together as an effective firefighting unit. *Prereq: Intro to the Fire Service [ELIS]*

Hours: 16 (9.5 Lecture, 6.5 Lab)

Gear: WBFF

Community Preparedness Safety

BETE 7164 Community Emergency Response Team

This course is designed to prepare citizens to help other citizens in time of emergency or disaster when professional response is delayed or unavailable. It is a realistic approach to the methodology needed to manage emergency and disaster scenarios when citizens will be on their own. Participants will learn how to manage utilities, extinguish small fires, provide first aid, perform light rescue and organize into effective spontaneous volunteers working toward the objectives of saving lives and property. Hours: 24 (18 Lecture, 6 Lab)

BETE 7193 Community Emergency Preparedness

This course will provide basic information to assist participants in the development and implementation of an effective community and personal emergency action plans. Through interaction and guided discussion it will offer information pertinent to preparedness with an emphasis on appropriate response actions. Information will be provided to enhance awareness of ever-changing community issues and threats. Safety will be stressed for all suggested actions and methodologies that can be employed to mitigate and respond to emergencies and disasters. Hours: 4 (4 Lecture, 0 Lab)

BETE 7052 Emergency Response Homeowner Awareness

The course will offer information that will provide the homeowner or apartment dweller an awareness of emergency response procedures. The participants will discover their part in assuring effective emergency response. The homeowner or apartment dweller will become acquainted with emergency responders and equipment. Hours: 2 (2 Lecture, 0 Lab)

BETE 7191 Fire and Life Safety Preparedness Basics

Designed for institutional and industrial settings, this course will provide information and techniques that will allow the student to identify and assess various fire and life safety hazards. The course will further provide information to guide appropriate mitigating action in order to prevent, control, diminish and/or eliminate fire hazards and threats. Emphasis is placed on personal safety for all actions taken. Hours: 2 (2 Lecture, 0 Lab)

BETE 7035 Introduction to Fire and Life Safety

This course will provide information and techniques that will allow the student to identify and assess hazards and threats. It will further provide information that will guide appropriate action to control, diminish and/or eliminate hazards and threats. Emphasis is placed on safety for all actions taken. Hours: 3 (2 Lecture, 1 Lab)

BETE 7051 Residential Fire and Life Safety

This program offers awareness and insight that will guide appropriate response in an emergency. Participants will learn escape techniques and methods to rescue incapacitated family members during home evacuation. Fire extinguisher are explained and discussed. Participants will discharge extinguisher during live fire drills. Hours: 3 (2 Lecture, 1 Lab)

BETE 7129 Public Fire Education Planning (PFEP)

The basic concepts of fire education including history, fire prevention, high risk identification, and community representation in planning are covered in this program. Several areas of N.F.P.A. 1031 are addressed in whole or in part. Hours: 16 (16 Lecture, 0 Lab)

Fire/Emergency Vehicle Operation

BETE 7059 Aerial Apparatus Practices (AELA)

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. This course will introduce the student to the basic operating principles of fire service aerial

equipment. *Prereq: Intro to Safety/Training[IST] & Intro to the Fire Service[ELIS]*

Hours: 16 (6 Lecture, 10 Lab)

Gear: TOG

BETE 7064 Aerial Apparatus Practices Extended (AELX)

This course will give a more extensive treatment of the subject of aerial device operation than is afforded by the 16 hour version, AELA. Through both classroom and hands-on practice, students will become familiar with basic design and operational theory of aerial devices, safety considerations, spotting and stabilizing, device operation, elevated master stream, and rescue. An introduction to basic truck company operations is also included. This course will introduce the student to the basic operating principles of fire service aerial equipment. *Prereq: Intro to Safety/Training[IST] & Intro to the Fire Service[ELIS]* Hours: 24 (8 Lecture, 16 Lab)

Gear: TOG

BETE 7157 Dynamics of Emergency Vehicle Response

This course is designed as a supplement to and refresher for the prerequisite course Emergency Vehicle operator's course. It reviews some basic principles of safe vehicle operation and introduces the concept of space and speed management in operation of any vehicle. *Prereq: Emergency Vehicle Operations[EVOC]* Hours: 4 (4 Lecture, 0 Lab)

BETE 5541 Emergency Vehicle Driver Training (EVOC)

Sadly, a large proportion of emergency responder deaths and injuries occur as a result of motor vehicle accidents involving emergency response vehicles. This course is suitable for both novice and veteran emergency vehicle operators. Consisting of 8 hours of classroom and 8 hours of driving on a competency course, it will teach, reinforce, and review those issues and skills needed by anyone who operates a motor vehicle in responding to an emergency. *Prereq: Intro to the Fire Service[ELIS]* Hours: 16 (8 Lecture, 8 Lab)

BETE 7190 Emergency Trailers: Tow/Operator Skills

This course is suitable for both novice and vet-

Non-Credit Course Descriptions

eran emergency tow vehicle drivers. It consists of 4 hours of classroom and 4 hours of tow driving on a competency course. It will teach, reinforce, and review those issues and skills needed by anyone who operates a motor vehicle towing, parking, or positioning an emergency trailer. It reviews basic principles of safe vehicle operation and introduces the concept of space and speed management as it relates to emergency trailers.
Hours: 8 (4 Lecture, 4 Lab)

BETE 7156 Fire Engineering Comprehensive: Driver Operations (Novice)

This course is designed to expand firefighter's knowledge of driving fire apparatus. The curriculum will be presented in a manner that allows the company driver to become better acquainted with the apparatus. Classroom includes information on licensing, pre-trip inspection, air brake check, braking characteristics, tank vehicles, adverse driving conditions, backing skills and defensive driving techniques. Practical portion includes hands on practice of pre-trip inspection, backing, and on road driving. Interested participants will be prepared to take the Class B CDL written and practical tests at a Pennsylvania Department of Transportation testing facility.
Hours: 48 (16 Lecture, 32 Lab)

BETE 7155 Fire Engineering Comprehensive: Driver Operations (Experienced)

This course is designed to expand firefighter's knowledge of driving fire apparatus. The curriculum will be presented in a manner that allows the company driver to become better acquainted with the apparatus. Classroom includes information on licensing, pre-trip inspection, air brake check, braking characteristics, tank vehicles, adverse driving conditions, backing skills and defensive driving techniques. Practical portion includes hands on practice of pre-trip inspection, backing, and on road driving. Interested participants will be prepared to take the Class B CDL written and practical tests at a Pennsylvania Department of Transportation testing facility.
Hours: 24 (8 Lecture, 16 Lab)

BETE 7127 New Aerial Apparatus Familiarization (NAEP)

This course will acquaint the student with the design features, safety requirements, and operational procedures for specific aerial devices. Service and maintenance information as well as practical experience are provided. This course is generally provided where there is a need to expose experienced operators to the characteristics of an apparatus new to their department. *Prereq: Aerial Apparatus Operations[AELA] or Aerial Apparatus Operations Extended[AELX]*

Hours: 8 (3.5 Lecture, 4.5 Lab)
Gear: TOG

BETE 7060 Tanker Water Supply (TAWS)

A program dealing with supplying the fire ground with water from tank trucks. Subjects covered include tank truck construction, water flow requirements, water supply set up, and the drop tank shuttle system. *Prereq: Intro to Safety/Training[IST] & Intro to the Fire Service[ELIS]*
Hours: 16 (12 Lecture, 4 Lab)
Gear: TOG

Fire Police

BETE 5529 Advanced Fire Police (FIPA)

This course will touch upon training and the training officer's qualifications, policy & procedures, legal liabilities, court appearance, leadership, communications and public relations, defensive driving, traffic control, security, self-protection and uniforms. *Prereq: Fire Police[FIPO]*
Hours: 16 (12 Lecture, 4 Lab)

BETE 5528 Basic Fire Police (FIPO)

This course sets for the NEED for fire police; their legal police power; personal and professional qualifications; their appointment and control; their general and special duties; and their limitations. *Prereq: Intro to the Fire Service[ELIS]*
Hours: 16 (12 Lecture, 4 Lab)

BETE 7079 Communications and Public Relations for Fire Police (CPFP)

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 a response is required, how to use tools of communication and how communications work in public relations. *Prereq: Fire Police[FIPO]*
Hours: 16 (12 Lecture, 4 Lab)

BETE 7083 Emergency Response for Fire Police (ERFP)

This course covers: response vehicle, response routes, equipment, clothing, preparation, personal ability, defensive driving, approach to the scene, man-made disasters (haz-mat, etc.), natural disasters (floods, etc.), lost person search, disease exposure and accounting for personnel. *Prereq: Fire Police[FIPO]*
Hours: 16 (12 Lecture, 4 Lab)

BETE 7116 Fire Police in Non-Emergency Operations (NEFP)

This course will detail the work of fire police on duty for funerals, fairs, parades, sports events, school events, municipal events, Police Week, Halloween and other holidays, car shows, body guards and as instructors. *Prereq: Fire Police[FIPO]*

Hours: 16 (14 Lecture, 2 Lab)

BETE 7176 Highway Incident Scene Safety and Traffic Control

Students will learn how to adapt the same safety and traffic control principles used to establish work zones in the highway construction and maintenance industries. They will be shown ways of applying these principles, using limited equipment and staffing, to enhance safety at emergency incidents on streets and highways. Topics covered include scene assessment, risk management, regulatory issues of temporary traffic control, necessary equipment, flagging, and personnel safety procedures. Practical exercises are included that let students apply what they have learned to "real world" incident scenarios. *Prereq: Intro to the Fire Service [ELIS]*
Hours: 16 (14 Lecture, 2 Lab)

BETE 5530 Legal Concepts for Fire Police (LCFP)

This course is an in-depth study of the laws with which fire police, fire departments and the municipality are jointly involved. This includes powers, negligence, liability, detention, training, Crimes Code, Vehicle Laws and their application. *Prereq: Fire Police[FIPO]*
Hours: 16 (14 Lecture, 2 Lab)

Firefighter/Fire Suppression

BETE 7069 Automatic Detection and Suppression System (AUTO)

This course is designed to give the fire of ficer, fire prevention official, and code enforcement official a basic understanding of the design and operation of fire alarm and fire protection system. *Prereq: Intro to the Fire Service[ELIS]*
Hours: 8 (8 Lecture, 0 Lab)

BETE 7233 Basic Fireground Skills Refresher (EFFR)

The basic skills necessary to function as a member of a fire department are reviewed in this course. Topics include: hose, ladder and use of S.C.B.A. *Prereq: ELIF or EBM*
Hours: 24 (6 Lecture, 18 Lab)

BETE 7077 Carbon Monoxide Detector Responses (CORE)

The course is a 3 hour lecture program designed to give responders 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.
Hours: 3 (3 Lecture, 0 Lab)

BETE 7082 Electrical Emergencies (ELFS)

Slide presentation of electrical hazards, distribution systems, power plants and related electrical equipment. Review of fire fighting practices around energized equipment, as well as

Non-Credit Course Descriptions

do's and don'ts in dealing with electricity. High voltage electrical demonstration. *Prereq: Intro to the Fire Service[ELIS] or Intro to Safety/Training[IST]*
Hours: 3 (3 Lecture, 0 Lab)

BETE 7058 Engine Company Operations (ECOP)

A discussion of fire behavior and spread in structures, methods of calculating needed fire flow and organizing and equipping engine company is followed by a series of "hands on" drills involving various engine company evolutions. *Prereq: Essentials Basic module[EBM] or Intro to the Fire Service[ELIS] or Certified Firefighter I Level*
Hours: 16 (4.5 Lecture, 11.5 Lab)
Gear: TOG, SCBA

BETE 7184 Exterior Firefighter

This course is designed to introduce new firefighters to exterior foreground operation including building construction, ladders, communications, protective systems/sprinklers forcible entry, and fire prevention. This is the third of four courses in the curriculum. *Prereq: Fireground Support[ELFG]*
Hours: 42 (26 Lecture, 16 Lab)

BETE 7086 Farm & Barn Firefighting (FAFI)

This course is designed to deal with fires in barns and other farm structures. Topics include water supply, safety, and command. The priority system governing fire attack is also discussed. *Prereq: Essentials Basic Module[EBM], Interior Firefighter[ELIF] or Firefighter I Certification*
Hours: 16 (13 Lecture, 3 Lab)
Gear: TOG

BETE 7183 Fireground Support (ELFG)

This course is designed to introduce new firefighters to fireground operation including fire behavior, fire extinguisher, water supply, fire hose, ropes, and hazardous materials. This is the second of four courses in the curriculum *Prereq: Intro to the Fire Services[ELIS]*
Hours: 48 (31 Lecture, 17 Lab)

BETE 7195 Firefighter I Skills Enhancement Course (FFCP)

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. *Prereq: Interior Firefighter[ELIF] or Essentials Basic Module[EBM] or Fundamentals of Firefighting[FFF]*
Hours: 32 (14 Lecture, 18 Lab)
Gear: TOG, SCBA

BETE 5645 Firefighter Safety & Survival (SURV)

A physically demanding, 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. *Prereq: Essentials Basic Module[EBM] or Intro to the Fire Service[ELIS]; Recommended: Rapid Intervention Team[RITC], Structural Fire Rescue[SFR], Incident Command System [ICS]. Student must be physically able to crawl, climb and descend ladders, slide on rope, and SUPPORT OWN BODY WEIGHT WHILE HANGING BY ARMS. PA State Fire Academy facial hair policy applies.*
Hours: 16 (6 Lecture, 10 Lab)
Gear: TOG, SCBA with spare cylinder and PASS device

BETE 7092 Flammable Liquid Firefighting (FLBU)

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. *Prereq: EAM, UPRR, IAFF, HISI*
Hours: 16 (10 Lecture, 6 Lab)
Gear: TOG, SCBA

BETE 7117 Foam Firefighting Basic (National Foam) (NFFB)

A student in this course will be introduced to basic information concerning the use foam, as flammable liquid fire extinguishing agent. This module is targeted at the first responder, who will be faced with the task of fire suppression. *Prereq: Essentials Basic Module[EBM] or Interior Firefighter[ELIF]*
Hours: 7 (3.5 Lecture, 3.5 Lab)
Gear: TOG

BETE 7034 Foam Firefighting Technician (National Foam) (NFFT)

A student in this course should be of the decision makers level who will be responsible for size-up and suppression. They will be introduced to basic information concerning the history of foam. *Prereq: Essentials Basic Module[EBM], Interior Firefighter [ELIF]*
Hours: 16 (12.5 Lecture, 3.5 Lab)
Gear: TOG

BETE 7118 Forcible Entry (TFE)

This course will provide the fire fighter with a better understanding of building construction as applies to forcible entry. Also covered will be opening techniques and the use of tools for safe, quick access to a structure. *Prereq: Essentials Basic Module[EBM] or Interior Firefighter[ELIF]*
Hours: 16 (12 Lecture, 4 Lab)

Gear: TOG, SCBA, and EP

BETE 7099 High Rise Firefighting (HIRI)

This course will provide instruction in fire fighting and support operations in high-rise buildings. The special problems encountered by the fire fighter in this type of fire are also discussed. Safe operations, the use of a tactical checklist and application of the Incident Command System are stressed. *Prereq: Incident Command System[ICS], Engine Company Operations[ECOP], Truck Company Operations[TRCO]*
Hours: 16 (8 Lecture, 8 Lab)

BETE 7185 Interior Firefighter (ELIF)

This course is designed to introduce new firefighters to interior foreground operation including nozzles and streams, SCBA, rescue, ventilation, fire suppression, salvage, and firefighter survival. This is the fourth of four courses in the curriculum. *Prereq: Exterior Firefighter[ELEF]*
Hours: 60 (28.5 Lecture, 31.5 Lab)

BETE 7182 Introduction to the Fire Service (ELIS)

This course is designed to introduce new firefighters to basic information including an overview of the fire service, fire service or organization, firefighter safety, personal protective equipment and terrorism awareness. This is the first of four courses in the curriculum.
Hours: 16 (14 Lecture, 2 Lab)

BETE 7239 Introduction to Positive Pressure Ventilation

This introductory course will discuss what positive pressure ventilation is, why we do it, and how to obtain desired results. Various aspects of positive pressure ventilation will be introduced, discussed, and demonstrated. Participants will become familiar with fundamental operational and maintenance procedures as it relates to associated blowers and fans. The course includes hands-on exercises to reinforce information received in the classroom lecture. *Prereq: Intro to Safety/Training[IST] or Intro to the Fire Services [ELIS]*
Hours: 4 (3 Lecture, 1 Lab)

BETE 7114 Large Diameter Hose (LDHO)

Participants in this program will be introduced to the concept 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. *Prereq: Intro to Safety/Training[IST] or Intro to the Fire Service[ELIS]*
Hours: 16 (8 Lecture, 8 Lab)
Gear: TOG

Non-Credit Course Descriptions

BETE 7240 Pre-Fire Incident Planning Preparatory Course

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, is essential to achieve successful outcomes. This course gives students information to achieve an awareness of the buildings and their various compositions through a process of pre-fire incident planning. Hands-on site visits are included to enhance learning.
Hours: 4 (2 Lecture, 1 Lab)

BETE 7171 Propane Emergencies Awareness (PPEA)

This program has been designed for emergency response personnel (law enforcement, EMS, emergency management, entry-level fire service personnel, public works and transportation employees) whose duties meet the OSHA definition of the Awareness Level of hazardous material response. Students will learn about the basic properties and hazards of propane and liquefied petroleum gases and will be able to take appropriate actions consistent with the limitations of the Awareness Level to protect lives and property during an incident involving propane. *Prereq: HMAR or employer's certification at the OSHA/EPA Haz-Mat Awareness Level or greater.*
Hours: 4.5 (4.5 Lecture, 0 Lab)

BETE 7172 Propane Emergencies Operations (PPEO)

This program has been designed for firefighters and related emergency response personnel (such as entry level haz-mat team members) 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 and liquefied petroleum gases, containment vessel characteristics and control strategies for the more common types of propane emergencies (consistent with the limitations of the Operations Level). *Prereq: Essentials Basic Module [EBM] and [IAFF] or [HISI] or employer's Certification at the OSHA/EPA Haz-Mat First Responder Operations Level or greater. Note: Propane Emergencies Awareness [PPEA] is NOT a prerequisite for this course. Each course in this series is designed to be a stand alone course. The material in PPEA is repeated in PPEO.*
Hours: 8 (8 Lecture, 0 Lab)

BETE 7196 Propane Emergencies Technician (PPET)

This program has been designed for experienced 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 its prop-

erties. Students will learn about the basic properties and hazards of propane and liquefied petroleum gases, containment vessel characteristics, and control strategies for both the common and more complex types of propane emergencies. Container damage assessment and incident management information is included. *Prereq: Interior Firefighter[ELIF] or Essentials Basic Module[EBM]*
Hours: 24 (24 Lecture, 0 Lab)
Gear: TOG, SCBA

BETE 7170 Propane Gas Practical Exercises (PETE)

This course is designed for the student who is competent in basic firefighting skills such as hose line handling and SCBA and who has a fundamental knowledge of propane/LNG and LNG container behavior under emergency conditions. It permits the material learned in the prerequisite SFA Local Level Course, Propane Emergencies Operations (PPEO) to be applied to live-fire LNG scenarios using a variety of props. *Prereq: Essentials Basic Module [EBM] and Propane Emergencies Operation [PPEO]*
Hours: 8 (7 Lecture, 1 Lab)

BETE 7130 Pump Operations I (PUOP)

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. *Prereq: Essentials Basic Module[EBM], Fire Ground[ELFG]*
Hours: 16 (10 Lecture, 6 Lab)
Gear: TOG

BETE 7131 Pump Operations II (PUOA)

This course will introduce the student to advanced concepts and methods of fire pump operation. *Prereq: Pumps Operations I[PUOP]*
Hours: 16 (8 Lecture, 8 Lab)
Gear: TOG

BETE 7011 Rapid Intervention Teams (RITC)

This program is designed to prepare fire department personnel for implementation of a stand-by rescue team at structure fires and certain other incidents. Information is provided from existing fire departments utilizing the concept successfully. *Prereq: Intro to Safety/Training[IST] or Intro to the Fire Service[ELIS]*
Hours: 2 (2 Lecture, 0 Lab)

BETE 7042 Respiratory Protection I (REPR)

This program gives the student a chance to become proficient in the use of S.C.B.A., allowing ample time to practice various skills and perform several exercises with their S.C.B.A. 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. *Prereq: Essentials Basic Module[EBM] or Interior Firefighter[ELIF] and the ability to use, and work in personal protective equipment(PPE) appropriate to the hazard(s).*
Hours: 16 Hours (6 Lecture, 10 Lab)
Gear: TOG, SCBA

BETE 7043 Respiratory Protection II (REPA)

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). *Prereq: Essentials Basic Module[EBM] or Interior Firefighter[ELIF] and completion of Respiratory Protection I[REPR]*
Hours: 16 (5 Lecture, 11 Lab)
Gear: TOG, SCBA

BETE 7133 Rural Fire Ground Water Movement (RFWM)

This course introduces the student to 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. *Prereq: Intro to Safety/ Training[IST] or Intro to the Fire Service[ELIS]*
Hours: 16 (6 Lecture, 10 Lab)
Gear: TOG

BETE 7013 Structural Burn Session (SBS)

This course will provide the student with a review and application of the techniques used in safe fire fighting practices in an actual fire environment. Emphasis is placed on safety for both interior and exterior operations. *Prereq: Essentials Basic Module[EBM], Interior Firefighter[ELIF]*
Hours: 16 (4 Lecture, 12 Lab)
Gear: TOG, SCBA

BETE 7187 Truck Company Operations I (TRCO)

Truck companies, regardless of whether they arrive on an aerial device, squad, or engine, are the 'combat engineers' of fire attack operations. This course, for experienced fire fighters, will introduce the student 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. *Prereq: Essentials Basic Module[EBM], Interior Firefighter[ELIF]*
Hours: 16 (12 Lecture, 4 Lab)
Gear: TOG, SCBA

Non-Credit Course Descriptions

BETE 7088 Truck Company Operations II (ATRC)

This course will allow the student to practice and further refine his/her ability to effectively and safely perform the fire ground duties normally assigned to truck companies. This course is designed to build upon and refine the knowledge and skills involved in providing effective truck company operations that were acquired by the student in the prerequisite course. *Prereq: Truck Company I[TRCO]*
Hours: 16 (4 Lecture, 12 Lab)
Gear: TOG, SCBA

BETE 7050 Vehicle Fires and Other Emergencies (VFOE)

This course will inform the students of the hazards encountered at vehicle fires and other emergencies. They will learn proper strategy and tactics for vehicle fires. The hands-on training will allow the students an opportunity to practice vehicle fire fighting tactics. *Prereq: Essentials Basic Module[EBM] or Interior Firefighter[ELIF]*
Hours: 16 (10 Lecture, 6 Lab)
Gear: TOG, SCBA, and EP

BETE 7039 Ventilation Practices (TRVP)

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. *Prereq: Essentials Basic Module[EBM], Interior Firefighter[ELIF]*
Hours: 16 (8 Lecture, 8 Lab)
Gear: TOG, SCBA

Hazardous Materials

BETE 7175 Decontamination Practices (DCON)

A hands on program developing proficiencies when working with hazardous material and WMD emergencies to assist Hazardous Materials Teams and Strike Teams at the Operations level. This will be done with drills in setting up zones, identifying materials and its properties, and identifying levels of protective clothing necessary. Drills in proper types of decontamination will be included. This will be achieved using as many items commonly available or easily accessible to fire personnel and Hazardous Materials Teams. *Prereq: [IAFF] or equivalent or meet requirements of 29 CFR 1910.120(q) and a strong working knowledge of Personal Protective Equipment (PPE)*
Hours: 8 (4 Lecture, 4 Lab)

BETE 7010 Emergency Response to Terrorism: Basic Concepts (ERT: BC)

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-protective measures; secure the scene; complete appropriate notifications to local, state and federal authorities; and assist in completing a smooth transition from emergency to recovery and termination operations. *Prereq: Hazardous Materials Operation Certified Fire Personnel, MUST have Intro to the Fire Service[ELIS]*
Hours: 16 (11.5 Lecture, 4.5 Lab)

BETE 7029 Emergency Response to Terrorism Tactical Considerations; EMS - (ERT: TC; EMS)

This course was designed for the first on-the-scene responding EMS personnel with the responsibility to render patient care to victims of terrorist incidents. Secondly, this two-day course was designed to cover the needs of response personnel, who would be career, and volunteer fire fighters, EMS industrial contractors, allied health personnel or members of the military or other government agencies. *Prereq: Fire Personnel must have Intro to the Fire Service[ELIS], FEMA basic concept course[ERT:BC], FEMA emergency response self study[ERT-SS], PSFA Terrorism Operations[TODP]*
Hours: 16 (16 Lecture, 0 Lab)

BETE 7203 Hazardous Materials Awareness Level 472 (HMA)

The primary target audiences for this course are the First Responders charged with response actions associated with hazardous materials releases. Student will learn and adapt the knowledge and skill requirements for effective scene and response management. The goal of this program is to provide the First Responder with the training needed to comply with NFPA 472 Chapter 4 Competencies for the First Responder at the Awareness Level, and 29 CFR 1910.120 OSHA's Hazardous Waste Operations and Emergency Response(HAZWOPER), First Responder Awareness Level. This program is designed to give the first responder the necessary skills to handle hazardous materials emergencies.
Hours: 4 (3 Lecture, 1 Lab)

BETE 7174 Hazardous Materials Defensive Practices (HMDP)

A hands-on program developing proficiencies when working with hazardous material and WMD emergencies. An emphasis will be placed on the safe handling and control of per-

sonnel and the spill site. This will be done with drills in setting up zones, identifying material and its properties, and identifying levels of protective clothing practices. Items commonly available or easily accessible to fire personnel will be utilized. *Prereq: [IAFF] or other First Responder Operations Level training per OSHA 29 CFR 1910.120[q]*
Hours: 16 (8 Lecture, 8 Lab)

BETE 7204 Hazardous Materials Operations Level 472 (HMOP)

The primary target audiences for this course are the First Responders charged with response actions associated with hazardous materials releases. Student will learn and adapt the knowledge and skill requirements for effective scene and response management. The goal of this program is to provide the First Responder with the training needed to comply with NFPA 472 chapter 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. *Prereq: Intro to Safety/Training[IST], Intro to the Fire Service[ELIS]*
Hours: 24 (12 Lecture, 12 Lab)
Gear: TOG, SCBA

BETE 7205 Hazardous Materials Operations Level 472 Refresher

The primary target audiences for this refresher course are First Responders who have taken the Hazardous Materials Operations Level 472 course. The student will use previously learned skills and information presented during the class room training to perform the skills associated with NFPA 472 Chapter 5 Competencies for the First Responder at the Operational Level, and 29 CFR 1910.120 OSHA's Hazardous Waste Operations and Emergency Response, (HAZWOPER), First Responder Operations Level. *Prereq: Hazardous Materials Operations Level 472 [HMOP]*
Hours: 6 (2 Lecture, 0 Lab)

BETE 7178 Mass Decontamination Training: NEPA-ERG

This program will provide the student with the required knowledge and skills to establish a Tier I and II Decon Line in accordance with *Northeast Pennsylvania 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 integrate exercises, the student will utilize

Non-Credit Course Descriptions

response equipment and identify the proper stages of decontamination. This program is designed to meet the requirements of the NE Pennsylvania Emergency Response Group. *Prereq: The ability to don, use, and work in personal protective equipment (PPE) appropriate to the hazard(s) to be encountered.*
Hours: 8 (4 Lecture, 4 Lab)

BETE 7197 Radiological Assistant Initial Course (FCRM)

Provide participants with the basic understanding of ionizing radiation, sources of radiation, biological effects of radiation exposure, provide skills necessary to provide useful radiological response information to follow-on response elements, and to initiate protective actions for themselves, victims, and the general population. *Prereq: FEMA Independent Study(IS-3) Radiological Emergency Management or FEMA Fundamentals Course for Radiological Monitors*
Hours: 4 (4 Lecture, 0 Lab)

BETE 7199 Radiological Assistant Instructor Course (RMIC)

Provide participants with the basic understanding of ionizing radiation, sources of radiation, biological effects of radiation exposure, provide skills necessary to provide useful radiological response information to follow-on response elements, and to initiate protective actions for themselves, victims, and the general population. *Prereq: Completion of PEMA/FEMA Fundamentals Course for Radiological Response Team members (FCRRRT) or PEMA DOE Radiological Response Team course(RRT); completion of PEMA/FEMA Fundamentals Course for Radiological Monitors(FCRM) or PEMA/DOE Radiological Assistant Course(RAC); Assignment as a Radiological Monitor/ Assistant Instructor and authorization/approval by a Federal, State, or Local agency; Experience in teaching adults, or completion of an instructional techniques course (such as FEMA's Instructional Presentation Skills course, or the PA State Fire Academy's Adult Methodology course)*
Hours: 16 (8 Lecture, 8 Lab)

BETE 7200 Radiological Assistant Refresher Course (RERM)

Provide participants with the basic understanding of ionizing radiation, sources of radiation, biological effects of radiation exposure, provide skills necessary to provide useful radiological response information to follow-on response elements, and to initiate protective actions for themselves, victims, and the general population. *Prereq: Radiological Assistant Initial Course [FCRM]*
Hours: 2.5 (2.5 Lecture, 0 Lab)

BETE 7198 Radiological Officer Initial Course (FCRO)

Provide participants with an understanding of the roles and responsibilities of the county or agency Radiological Officer, describe the framework within which the radiological response team functions, provide fundamental knowledge of radiation and its affects, and proper response and pre-recovery procedures for a RAM incident. *Prereq: Radiological Response Team [FCRRRT]*
Hours: 14 (11 Lecture, 3 Lab)

BETE 7202 Radiological Officer Refresher Course (ROREF)

Provide participants with an understanding of the roles and responsibilities of the county or agency Radiological Officer, describe the framework within which the radiological response team functions, provide fundamental knowledge of radiation and its affects, and proper response and pre-recovery procedures for a RAM incident. *Prereq: Radiological Officers Initial Course[ROIC]*
Hours: 8.5 (6.5 Lecture, 2 Lab)

BETE 7201 Radiological Response Team Refresher Course (RRTRC)

Provide participants with an understanding of the roles and responsibilities of radiological response team members; describe the framework within which the radiological response team functions, provide fundamental knowledge of radiation and its affects, proper initial assessment/size-up procedures for a RAM incident. *Prereq: HazMat Radiological Response Team Initial[HMRRT] or RRTINT course*
Hours: 8 (6.5 Lecture, 1.5 Lab)

BETE 7237 Operational Hazard Communication

This course will utilize classroom training along with hands-on practical scenario learning methodology that will provide functional hazardous materials recognition and information. Within the course there is an advocacy of safety as general awareness and familiarization topics are discussed. Hands-on aspects explore function and site specific procedures as required pursuant to OSHA 29 CFR 1910.1200, HAZWOPER 29 CFR 1910.120, DOT 49 CFR 171-173.
Hours: 8 (6 Lecture, 2 Lab)

Instructor Development

BETE 7173 Educational Methodology for Local Level Instructors

This course will instruct students in the theory and practice of adult education in order to prepare them to effectively instruct fire and emergency service subjects. The theories of adult learning, instructor attributes, instructor ethics, class environment demeanor, effective objective writing, and selection/preparation of

course materials such as lesson plans and supporting job aids will be taught. Students will actually prepare and deliver several lessons on which they will be evaluated.
Hours: 40 (36 Lecture, 4 Lab)

BETE 7111 Instructional Techniques for Company Officers (NFA) (ITCO)

Every fire officer is, or should be, a trainer. Being an officer, especially at the company (Lieutenant, Captain, etc.) 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 task at the level.
Hours: 16 (12 Lecture, 4 Lab)

BETE 7123 Managing Company Tactical Operations: Decision Making (MCTO-D)

The second in the series of programs designed to meet the needs of the fire of ficers and crew leaders with the responsibilities to manage the operations of one or more companies in structural fire fighting operations. This course is a review of the command sequence and an overview of the incident command for structural fire fighting. Key content includes the command sequence; size-up; developing an action plan; implementing an action plan and an introduction to the incident command system. *Prereq: Managing Company Tactical Operations: Preparation [MCTO-P]*
Hours: 16 (16 Lecture, 0 Lab)

BETE 7122 Managing Company Tactical Operations: Preparation (MCTO-P)

The first in the series of programs designed to meet the needs of fire officers and crew leaders with responsibilities to manage the operations of one or more companies in structural fire fighting operations. This course will provide a basic foundation for the management of one or more companies operating at a structure fire emergency. The focus of these five modules is a review of basic concepts and development of proficiency in critical skills. Key content includes roles and responsibilities and readiness. *Prereq: Essentials of Firefighting, Fundamentals of Firefighting or Certification as Firefighter I*
Hours: 16 (16 Lecture, 0 Lab)

BETE7124 Managing Company Tactical Operations: Simulation (MCTO-S)

The fourth in the series of programs to develop skills necessary to manage company tactical operations. This program utilizes skills that are practiced in the previous programs by utilizing a series of table exercises. *Prereq: Managing Company Tactical Operations: Tactical [MCTO-T]*
Hours: 16 (16 Lecture, 0 Lab)

Non-Credit Course Descriptions

BETE 7125 Managing Company Tactical Operations: Tactical (MCTO-T)

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. *Prereq: Managing Company Tactical Operations: Decision Making [MCTO-D]*
Hours: 16 (16 Lecture, 0 Lab)

BETE 7008 Store/Mall/Mercantile Fire Fighting (MIFI)

This course provides instruction in the building construction of stores, malls and mercantile buildings. Fire fighting operations in stores and strip malls and support operations for fire protections systems area also presented. Tours of mercantile structures are included. *Prereq: ECOP, TRCO, ICS*
Hours: 16 (16 Lecture, 0 Lab)

BETE 7091 Voluntary Certification Evaluator Development Seminar (FFCE)

A seminar covering all details of each level of the PA Voluntary Fire Service Certification Program in which test station evaluators are involved. Attendees learn the proper techniques for evaluating tests and witness each station at their level of certification. *Prereq: Meet criteria per PA Certification Program*
Hours: 7.5 (7.5 Lecture, 0 Lab)

BETE 7112 Volunteer Emergency Services Management, Introduction to (IVESM)

This course is designed for those individuals whose responsibility is to manage any of the facets of a volunteer emergency services organization. new administrative and line officers with less than one year of experience will derive the most from this program. Seasoned organizational officers will hone their knowledge and basic skills as a manager. Introduction to Emergency Services Management demonstrates the basic management techniques needed to effectively administer a volunteer emergency service organization. Participants will explore the transition a member has to make when they step into the role of management in their organization. Through the use of small group activities, 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 missions and goals.
Hours: 16 (14 Lecture, 2 Lab)

BETE 7141 Volunteer Retention and Recruitment: Problems & Solutions (VFSR)

This course's target audiences are administrative and line officers of volunteer fire departments; persons serving as recruitment officers

or on recruitment/retention committees; or persons likely to serve in such capacities. Persons serving in similar capacities in other volunteer emergency service organization may also 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 on retention and recruitment issues. Students will have an opportunity to examine these results and their implications, share experiences, and begin the process of applying the course content to conditions in their own departments.
Hours: 4 (4 Lecture, 0 Lab)

Safety Management/Command

BETE 7207 Advanced ICS for Command and General Staff, Complex Incidents and MACS for Operational First Responders (O-467) (ICS-400)

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 described 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. *Prereq: ICS-300 or equivalent 300 level course from any Emergency Response community organization*
Hours: 16 (7.5 Lecture, 8.5 Lab)

BETE 7217 Basic Incident Command System: ICS-200 Single Resources and Initial Action Incidents

This course will cover the following topics: leadership and management, delegation of authority and management by objectives, functional areas and positions, briefings, or organizational flexibility and transfer of command. *Prereq: ICS-100 or Equivalent*
Hours: 4 (4 Lecture, 0 Lab)

BETE 7081 Conducting Basic Fire Prevention Inspections, NFA (CBPI)

Designed for the company-level officer or other inspection personnel, 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. *Prereq: Intro to the Fire Service[ELIS] - unless job is strictly inspection*
Hours: 16 (16 Lecture, 0 Lab)

BETE 7154 Emergency Communications

This course will provide emergency responders the information essential to communicate their ideas and requirements. It will afford stu-

dents an awareness of words and their many meanings. The course will offer methodology to effectively send and receive messages. Radio equipment and terms will be demonstrated and discussed. Legal requirements and procedures will be introduced to better understand compliance. Incident command procedures will be explored and utilized to enhance performance and expectations.
Hours: 16 (12 Lecture, 4 Lab)

BETE 7084 Emergency Services and the Media (MEDR)

This course is designed for the officers of emergency service organizations who come into the most contact with the public, press and businesses. It is designed to help improve their communication skills as well as present new ideas and ways to communicate their needs and message.
Hours: 16 (16 Lecture, 0 Lab)

BETE 7055 Fire Officership, Introduction (INFO)

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. *Prereq: Essentials Basic Module[EBM] or equivalent*
Hours: 16 (14 Lecture, 2 Lab)

BETE 7103 Health and Safety Officer - NFA (HSO)

The role of the Health and Safety Officer in policy and procedure issues that affect the health and safety of emergency responders. Risk analysis, wellness, program management, and other occupational safety issues are the main emphasis of the course. The target audience is all individuals, and especially management-level personnel who have department-level health and safety responsibilities (such as planning and implementation) and organizational representatives who have active involvement in such activities. *Prereq: Intro to Fire Officer[INFO] or 5 years experience as a Line Fire Officer*
Hours: 20 (20 Lecture, 0 Lab)

BETE 7179 ICS Orientation: ICS-100

This course will discuss the need for a management system during major emergencies and disasters. The student will learn the five functions of the ICS, the command staff functions, organizational structure of the ICS, common terminology used in the ICS, responsibilities of emergency responders, and the facilities used in the ICS. The student will also learn what Multi-Agency Coordination Systems are and do; as well as, when Unified Command Systems are used.
Hours: 4 (4 Lecture, 0 Lab)

Non-Credit Course Descriptions

BETE 7189 Incident Command and Management Interactive

This course will discuss and exemplify the need for a functional understanding of the management systems required during emergencies and disasters. The student will review the five functions of the ICS, the command staff functions organizational structure of the ICS, common terminology used in the ICS, responsibilities of emergency responders, and the facilities used in the ICS. The student will also learn what Multi-Agency coordination Systems are and do; as well as, when Unified Command Systems are used. The method of instruction will incorporate interactive exemplification of the command and general staff functions including their logical expansions to accommodate multi jurisdictional entities.

Prereq: Introduction to National Incident Management System[NIMS] - IS-700
Hours: 4 (3 Lecture, 1 Lab)

BETE 7165 Incident Command System for Emergency Medical Services (NFA)

This course is best suited for those persons involved with providing pre-hospital emergency medical care who have limited or no acquaintance with the Incident Command System as advocated by the National Fire Academy and in predominate use by emergency responders throughout the Commonwealth. It will introduce the principles and components of ICS, relate them to the EMS environment, and allow students to apply these principles in various EMS scenarios.
Hours: 16 (16 Lecture, 0 Lab)

BETE 7110 Incident Safety Officer (NFA) (ISO)

The Safety officers 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.
Prereq: Nations Incident Command for the Fire Service[NICS - FS] or National Incident Command EMS[NICS - EMS], Hazardous Materials First Responder Operations Level
Hours: 16 (16 Lecture, 0 Lab)

BETE 7206 Intermediate ICS for Expanding Incidents for Operational First Responders (O-465) (ICS-300)

This course is designed to provide overall inci-

dent 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 the Incident Management Teams will be discussed. *Prereq: National Incident Command - Fire Service[NICS-FS] or IS - 700 or National Incident Command - EMS[NICS - EMS] or an equivalent course from any Emergency Response community organization*
Hours: 24 (11 Lecture, 13 Lab)

BETE 7186 Introduction to Unified Command for Multi-Agency and Catastrophic Incidents NFA

This course will prepare students from emergency response organizations to understand and apply the concepts of Incident Command and Unified Command in their communities.
Prereq: NIMS ICS for the Fire Service[NICS-FS] or Incident Command System NFA[ICS] plus NIMS Orientation[IS-700] or NFA [ICS/EMS], or an equivalent course from any Emergency Response Community organization
Hours: 16 (10 Lecture, 6 Lab)

BETE 7216 IS-800 A National Response Plan (NRP), An Introduction

On February 28, 2003, President Bush issued Homeland Security Presidential Directive-5 which directed that the Department of Homeland Security develop a National Response Plan (NRP) to align Federal coordinating structures, capabilities, and resources into a unified, all-discipline, and all-hazards approach to domestic incident management.
Hours: 4 (4 Lecture, 0 Lab)

BETE 7119 Leadership I: Strategies for Company Success-NFA (LSI)

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 organizations. This course is targeted at any line or administrative officer who must make decisions, solve problems, or conduct meetings as part of his/her duties.
Prereq: Intro to the Fire Service[ELIS]
Hours: 16 (12 Lecture, 4 Lab)

BETE 7120 Leadership II: Strategies for Personal Success - NFA (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 organizations. This course is targeted at 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. It may also be applicable to those administrative officers of volunteer organizations (president, secretary/treasurer, etc.) who find that their responsibilities require similar skills. *Prereq: Intro to the Fire Service[ELIS]*
Hours: 16 (12 Lecture, 4 Lab)

BETE 7121 Leadership III: Strategies for Supervisory Success - NFA (LSIII)

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 organizations. This course is targeted at department - level officers (Chief, Assistant/Deputy Chief) or upwardly - mobile company officers that wish to improve their leadership skills in the areas of situational leadership, delegating, coaching and discipline. It may also be applicable to those administrative officers of volunteer organizations (president, secretary/treasurer, etc.) who find that their responsibilities require similar skills. *Prereq: Intro to the Fire Service[ELIS]*
Hours: 16 (12 Lecture, 4 Lab)

BETE 7113 Legal Aspects of the Fire Service (LAFS)

The class is structured so as to help you understand the general legal ramifications of your office, as well as your fire department's basic operations. Decisions are made, at the scene of an emergency, not only by officers but by non-officers as well, and these decisions will be subject to close scrutiny, if a law suit is ultimately filed by some unhappy third party. In this day and age one must be able to protect oneself on the fire ground legally, as well as physically.
Hours: 16 (16 Lecture, 0 Lab)

BETE 7090 Management of Emergency Medical Services (EMSM)

Management of EMS is intended for individuals who manage or supervise EMS organizations. Subjects to be covered include recruitment and retention of members, state and federal law and regulations effecting EMS operations, financial management, and dealing with external forcing effecting EMS in the 1990's.
Prereq: Student should have at least two years in EMS
Hours: 16 (14 Lecture, 2 Lab)

Non-Credit Course Descriptions

BETE 7180 National Incident Management System (NIMS), An Introduction IS-700

On February 28, 2003, President Bush issued Homeland Security Presidential Directive-5 which directed the Secretary of Homeland Security to develop and administer a National Incident Management System (NIMS). This 4-hour course will explain what NIMS is and will answer the following questions:

- What is the National Incident Management System?
- Why do we need a National Incident System?
- What are the Concepts and Principles of NIMS?
- What are the Components of NIMS?
- What are the NIMS requirements?
- What does our Fire Department need to do so we comply?

Hours: 4 (4 Lecture, 0 Lab)

BETE 7236 National Incident Management System Incident Command System for Emergency Medical Services (NFA)

This course is designed to teach the implementation of ICS in day-to-day EMS operations and is not meant to be 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.

Hours: 20 (20 Lecture, 0 Lab)

BETE 7181 NIMS ICS for the Fire Service - IS-200

Incident command is a concept given considerable attention within the fire service. 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. With DHS assistance in providing and mandating a single ICS, this Nation's emergency response personnel will move in the direction of greater management harmony, which will ensure much more effective management of America's major emergencies. It is extremely important that the students realize that the ICS has application in small and large fire departments; at simple and complex incidents; and in career, combination, and volunteer organizations. Students will be allowed to compare the benefits of the ICS to their own department or jurisdiction to demonstrate to themselves that the effective implementation of the ICS and its subsequent use will have a positive effect on their incident management.

Hours: 16 (10 Lecture, 6 Lab)

Medical/First Aid/Emergency Care

BETE 7104 Infection Control for Emergency Response Personnel: The Supervisor's Role, NFA (ICERP)

The course stresses protection of the individual and department/station from the full range of communicable diseases spread through occupational exposures. Appropriate target audiences for the course include supervisors from career and volunteer fire service, emergency medical service, and allied professional organizations. Private sector and public sector third service emergency health care providers also will benefit from this instruction. Training is compatible with existing NFPA standards and applicable federal regulations.

Hours: 16 (16 Lecture, 0 Lab)

Pennsylvania Fish Commission

BETE 5667 Ice Rescue and Emergency Response (FCIR) (PA Fish and Boat Commission)

This class is a mix of classroom and on-the-water practices, dealing with ice emergencies and the safe and effective methods to handle them. *Prereq: Water Rescue - Phase I[FCWR]*

Hours: 16 (8 Lecture, 8 Lab)

Gear: FCIR

BETE 7002 Water Line Systems Rescue Phase III (FCLS) (PA Fish & Boat Commission)

This 12-hour program involves skills needed to set up and understand horizontal line systems used in advanced water rescue operations. *Prereq: Fish Commission Water Rescue[FCWR]*

Hours: 12.5 (7.0 Lecture, 5.5 Lab)

Gear: FCLS

BETE 7041 Water Rescue Phase I (FCWR) (PA Fish & Boat Commission)

This 16-hour program involves the basic knowledge and skills necessary for rescuers who are or may be called upon to perform water rescues. *Prereq: The ability to swim continuously for 50 yards and CPR (State Fire Academy Prerequisite)*

Hours: 16.5 (10.5 Lecture, 6 Lab)

Gear: FCWR

BETE 5666 Water Rescue Phase II (FCWA) (PA Fish & Boat Commission)

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. *Prereq: Fish Commission Water Rescue[FCWR], FCWA Boater Safety (PA Fish Commission)*

Hours: 16 (4 Lecture, 12 Lab)

Rescue Courses

BETE 7070 Basic Rescue Practices (DHBR) (Department of Health)

The Basic Rescue Practices Module is part of a comprehensive rescue training program designed to prepare fire, rescue and emergency medical service personnel for the rigors of providing safe and efficient rescue operations in Pennsylvania. This module is designed as an entry level instructional unit which will introduce the student to the basic skills and knowledge required of the rescue service. The module stresses the importance of personal safety of the rescuer at all times.

Hours: 68 (24 Lecture, 44 Lab)

Gear: TOG, EP

BETE 7071 Basic Rigging for Rope Rescue (ROBR)

Participants in this course will be introduced to characteristics of rope, rope hardware and various knots and hitches. Students will participate in patient packaging and stokes basket handling exercises. Students will be 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. *Prereq: Intro to Safety/Training[IST] or Intro to the Fire Service[ELIS]*

Hours: 16 (4 Lecture, 12 Lab)

Gear: ROBR

BETE 7044 Basic Vehicle Rescue Awareness (BVRA) (Part 1 of a 3 Part Series)

This course is intended for personnel who need to have an awareness of vehicle rescue operations and how to assist a rescue company at a rescue scene. Upon the completion of this course the student will have an understanding of vehicle rescue, hazards of vehicle rescue operations, and ICS phases of vehicle rescue.

The student will also have an understanding of vehicle technology and design. *Prereq: Participants must be at least 16 years of age*

Hours: 16 (8 Lecture, 8 Lab)

Gear: TOG, EP

BETE 7045 Basic Vehicle Rescue Operations Level (BVRO) (2 in a 3 Part Series)

This course is intended for personnel who have already taken the BVR Awareness course in the past. This course teaches the student the use of hand tools in vehicle rescue operations and how to access and package the patient at the accident scene. Post rescue operations are also discussed. Upon the completion of this course the student will have reviewed hazards of vehicle rescue operations, ICS, and have an understanding of Hand tools, Access, Patient Extrication, and the Post Rescue phases of vehicle rescue. *Prereq: Basic Vehicle Rescue Awareness[BVRA] (certificate required), participants must be at least 16 years of age*

Hours: 16 (8 Lecture, 8 Lab)

Gear: TOG, EP

Non-Credit Course Descriptions

BETE 7046 Basic Vehicle Rescue Technician (BVRT) (3 in a 3 Part Series)

This course is intended for personnel who have already BVR Awareness and BVR Operations courses in the past. This course gives the student the knowledge of power tool usage and disentanglement techniques. At the end of this course the student will be able to take the written Basic Vehicle Rescue Technician certification test. Upon the completion of this course the student will have reviewed hazards of vehicle rescue operations, ICS, Access, Disentanglement, Extrication, Tools, Vehicle Anatomy, and the Post Rescue phases of vehicle rescue. The student will have an understanding of power tools and disentanglement techniques. *Prereq: Basic Vehicle Rescue Awareness[BVRA], Basic Vehicle Rescue Operations[BVRO] (certificates required), participants must be at least 18 years of age*
Hours: 16 (8 Lecture, 8 Lab)
Gear: TOG, EP

BETE 7076 Bus Rescue (BRES)

The student will be able to: 1. Define the scope to which buses are used daily. 2. Understand the different types of construction used to make the buses. 3. Learn to gain access, extricate, and stabilize, as required. Define potential and known problems for rescuers at bus accidents. Allow students to develop knowledge in design of buses. Allow students to pre-plan for such incidents. *Prereq: Basic Vehicle Rescue Operation[BVRO] or VRES*
Hours: 16 (8 Lecture, 8 Lab)
Gear: TOG, EP

BETE 7078 Cave Rescue Basic Orientation (CARE)

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.
Hours: 16 (8 Lecture, 8 Lab)
Gear: CARE

BETE 7001 Confined Space Rescue (CSR)

This 16-hour program deals primarily with rescues involving confined spaces. Subjects include definition, regulations, identification, needs, psychology, and techniques. Practical applications of rescue techniques are practiced in real confined spaces. *Prereq: Persons attending this program should have experience, expertise, or training in subjects such as respiratory protection equipment including*

SCBA and/or rope rescue or rigging techniques. REPA and RORA are preferred prerequisites

Hours: 16 (8 Lecture, 8 Lab)
Gear: CSR

BETE 7169 Emergency Response Ropes & Knots

Participants in this course will be introduced to characteristics of rope, rope hardware and various knots and hitches. Students will participate in basic knot and hitch tying exercises. One third of the program is hands-on and time is allotted for practice to build proficiency.
Hours: 3 (2 Lecture, 1 Lab)

BETE 7095 General Fire Service Rescue (FRES)

This course endeavors to teach the basics of fire ground interior search and rescue, to identify methods of locating and transferring patients to a safe environment. It will do this by providing instruction in the use of SCBA, rope, ground and aerial ladders, and some technical rope rescue hardware. The program will provide information and instruction to utilize these tools to educate the prospective rescuer. *Prereq: Essentials Basic Module[EBM] or Interior Firefighter[ELIF]*
Hours: 30 (9 Lecture, 21 Lab)
Gear: TOG, SCBA

BETE 7047 PA Basic Vehicle Rescue (Pennsylvania) (BVRP)

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. While not teaching patient care, i.e. medical treatment, this program will provide those rescue personnel with no formal medical training with a strong orientation to patient related rescue. The Vehicle Rescue Training Module places emphasis upon the development of knowledge and skills to be used by rescue personnel to achieve a safe and efficient vehicle rescue operation. This course will prepare a student to safely and successfully disentangle and remove a patient from a vehicle accident in such a manner as to facilitate the administration of proper pre-hospital emergency medical care. *Prereq: Students must meet eligibility requirements as set by PSFA and PA Department of Health, participants must be at least 18 years of age*
Hours: 48 (28 Lecture, 20 Lab)
Gear: TOG, EP

BETE 5594 Rope/High Angle Rescue I (RORE)

Students in this course will be introduced to the various types of rope and related rescue equipment. Students will be training in tying of the basic knots and hitches used in rope rescue, basic rappelling techniques, tie-offs, self-rescue, basic litter tie-ins, and basic litter han-

dling skills. Much of the program is hands-on and time is allotted for practice in order to build proficiency. *Prereq: Intro to the Fire Service[ELIS] or First Responder or equivalent*
Hours: 16 (4 Lecture, 12 Lab)
Gear: ROPE

BETE 7132 Rope/High Angle Rescue II (RORA)

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 students 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. *Prereq: Rope I[RORE]*
Hours: 16 (4 Lecture, 12 Lab)
Gear: ROPE

BETE 7089 Special Vehicle Rescue (Department of Health) (DHSV)

This course is part of a comprehensive rescue training program developed and promulgated by the PA Department of Health. It builds upon the knowledge and skill acquired in the prerequisite to prepare the student to deal with rescue situations involving larger vehicles such as buses and large trucks. This course is taught to the standards established by the PA Department of Health; the written examination required for certification as a Special Vehicle Rescue Technician is administered at the conclusion of this course. *Prereq: Department of Health Vehicle Rescue[DHVR]*
Hours: 16 (16 Lecture, 0 Lab)

BETE 7134 Structural Collapse Operations, Level I (SCOA)

This course gives the first responder the knowledge necessary to function effectively during the initial stages of a structural collapse incident. Assessing the magnitude of the situation, utilization of available resources, as well as personnel safety are highly stressed. Information necessary for first responders to integrate effectively with specialized collapse rescue teams is also provided. *Prereq: Intro to the Fire Service[ELIS]*
Hours: 3.5 (3.5 Lecture, 0 Lab)

BETE 7135 Structural Collapse Operations - Level II (SCOF)

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 extrica-

Non-Credit Course Descriptions

tion. *Prereq: Confined Space Rescue[CSR] or BCP, Structural Collapse Operations Awareness[SCOA], Building Construction[BCN]*
Hours: 16 (4 Lecture, 12 Lab)
Gear: SCOF

BETE 7057 Structural Fire Rescue (SFR)

This course deals with the philosophy of fire ground rescue, victim handling techniques, search procedures, and methods of removing victims from above and below grade situations. *Prereq: Essentials Basic Module[EBM], Intro to the Fire Service[ELIS]*
Hours: 16 (5 Lecture, 11 Lab)
Gear: TOG, SCBA

BETE 7136 Trench Rescue Operations (TRRE)

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. *Prereq: Intro to Safety/Training System[IST] or Intro to the Fire Service[ELIS]*
Hours: 16 (8 Lecture, 8 Lab)
Gear: TRRE

BETE 7140 Vehicle Rescue Refresher & Technology Update (VRTU)

This course is intended for personnel who have already taken a vehicle rescue course in the past. Through a series of classroom lecture/discussion and practical activity, VRTU will give a needed review of the concepts of vehicle rescue, and an awareness of the new vehicle designs and technology, new tool design and technology, and new disentanglement techniques to deal with the air bag locations. *Prereq: Department of Health Vehicle Rescue[DHVR] or PSFA Vehicle Rescue[BVRC]*
Hours: 16 (8 Lecture, 8 Lab)
Gear: TOG, EP

BETE 7142 Wilderness Search & Rescue Search Management (Managing Search Operation/Managing Search Function) (WRSM)

Course is presented in classroom setting to teach search operation techniques and organizational skills to the units responding units on a lost person incident. *Prereq: Intro to the Fire Service[ELIS]*
Hours: 40 (30 Lecture, 10 Lab)
Gear: WILD

BETE 7143 Wilderness Search & Rescue/Advanced Grid Team (WRGA)

Course is presented in a combination of classroom and fieldwork to present grid search methods and teach the student comprehensive map and compass skills. Course will also cover close grids and patient evacuation skills. *Prereq: Wilderness Search & Grid/Basic Grid Team*

Hours: 8 (2.4 Lecture, 5.6 Lab)
Gear: WILD

BETE 7144 Wilderness Search & Rescue/Basic Grid Team (WRGT)

Course is presented in a combination of classroom and field work to present grid search methods and teach the student basic map and compass. *Prereq: Intro to the Fire Service[ELIS]*
Hours: 8 (2 Lecture, 6 Lab)
Gear: WILD

BETE 7145 Wilderness Search and Rescue/Search Responder (WRSR)

Course is presented in a combination of classroom and fieldwork to present basic search operation techniques and organizational skills to the first responding units on a lost person incident. *Prereq: Intro to the Fire Service[ELIS]*
Hours: 16 (9 Lecture, 7 Lab)
Gear: WILD

Specialized Emergency Services

BETE 7163 Aircraft Burn Session

Designed for **experienced ARFF fire fighters**, or structural municipal mutual aid fire fighters, this course will consist of a brief review of safety procedures, followed by attacks on a variety of aircraft fire scenarios. *Prereq: ARFF or Intro to Aircraft Fire Fighting*
Hours: 8 (6 Lecture, 2 Lab)

BETE 7232 Aircraft Crash Rescue Short Course (ACFR)

Designed for the experienced structural fire fighter, this course will deal with those conditions that make an aircraft incident different from the “normal” fire incident and demonstrate effective ways to deal with aircraft incidents using typical municipal fire department resources. *Prereq: ELIF or EBM, or FFI certification, or a member of an airport ARFF department. BVRC also suggested.*
Hours: 16 (10 Lecture, 0 Lab)

BETE 7162 Aircraft Fire Fighting, Introduction to

Designed for the **experienced** municipal/volunteer fire fighter, this course will deal with those conditions that make aircraft fire different from the “normal” fire incident. It will demonstrate effective ways to deal with aircraft fires and offer appropriate techniques while using typical municipal fire department resources. *Prereq: EBM or FFI Certification*
Hours: 4 (3 Lecture, 1 Lab)

BETE 5524 Aircraft Fire Rescue, Intro to

Designed for the experienced municipal/volunteer fire fighter, this introductory course will deal with those conditions, which 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.
Hours: 4 (4 Lecture, 0 Lab)

BETE 7065 Aircraft Rescue and Fire Fighting (ARFF)

This course consists of ten modules of instruction, which will contribute to the students' knowledge of basic fire fighting and rescue principles and reinforce the skills necessary for the student to effectively operate the rescue and fire fighting equipment available at the local airport. *Prereq: Member of airport fire department*
Hours: 30 (24 Lecture, 6 Lab)
Gear: TOG, SCBA, work clothes, gloves

BETE 7066 Airport Annual Burn (AAB)

Designed for Experienced ARFF Fire Fighters, this course will consist of a brief review of ARFF and safety procedures, followed by attacks on a variety of aircraft fire scenarios. The course meets the FAA Part 139 annual live-fire training requirement for fire fighters at certificated airports. *Prereq: ARFF or a testament by fire chief/airport manager regarding competency in basic fire fighter skills.*
Hours: 8 (2 Lecture, 6 Lab)
Gear: Work clothes; SCBA, TOG

BETE 7015 Arson Awareness for Emergency Response Personnel (AAEP)

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 National Fire Academy course Arson Detection for the First Responder, and is designed to give essential basic information to responders whose duties do not require the more extensive NFA course, or whose time schedules do not permit attending the longer course at this time. *Prereq: Intro to the Fire Service[ELIS]*
Hours: 4 (4 Lecture, 0 Lab)

BETE 7068 Arson Detection for the First Responder - NFA (ADFR)

The course covers topics that fire suppression personnel must be familiar with in order to facilitate origin and cause determination and possible subsequent investigation of intentionally set fires. Upon successful completion the student will be able to provide a clear definition of the role of initial responder or 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. *Prereq: Intro to the Fire Service[ELIS]*
Hours: 16 (16 Lecture, 0 Lab)

BETE 5527 Arson Investigation

This course covers topics which fire suppression personnel must be familiar with in order

Non-Credit Course Descriptions

to facilitate origin and cause determination and possible subsequent investigation of intentionally set fires. *Prereq: Intro to the Fire Service[ELIS], Fire Arson Investigation*
Hours: 16 (16 Lecture, 0 Lab)

BETE 7087 Fire & Arson Investigation - Electrical I Overview (AREO)

This course provides the student with minimal basic electrical knowledge, and 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. The goal of the course is to expand upon a knowledge already achieved from prior courses, with an in-depth understanding of the electron behavior, and its role in the evolution of fire. *Prereq: Fire Arson Investigation and Fire Arson Detection*
Hours: 16 (14 Lecture, 2 Lab)

BETE 7017 Fire Arson Investigation (ARIN)

This course introduces the student to a step-by-step procedure in determining the Origin & Cause of a given fire and the awareness of possible incendiaries. Includes both building & vehicle fires starting with the motives of those individuals who are fire setters. It is designed for first responders who wish additional knowledge in fire cause and origin determination. *Prereq: ADFR and at least 5 years member of a Fire Department as a Chief, Line Officer, or member of an investigation team assigned to determine cause and origin. Students must have prerequisite regarding investigative duties and bring written evidence of it to the first day of class*
Hours: 16 (14 Lecture, 2 Lab)
Gear: TOG

BETE 7093 Fire Attack in Sprinklered Properties (FMSP)

This course will provide fire fighters with an understanding of why sprinklered properties burn and how to improve the fire department's role in preventing such unnecessary losses. *Prereq: Intro to the Fire Service[ELIS]*
Hours: 6 (6 Lecture, 0 Lab)

BETE 7177 Hot Air Balloon Fire Emergency Awareness

Participants in this course will be made aware of the minimum knowledge and skills needed to successfully manage a fire emergency as associated with hot air balloon aircraft. Information on the nature of fire, envelope fabrics, associated combustible materials; fire generating equipment, fuels, collateral exposures, interaction with emergency response personnel and emergency psychology will be explained and discussed. Students will be given the opportunity for hands on extinguishing experience through various fire emergency scenarios. Upon conclusion of the course, the

student will be able to demonstrate the ability to safely manage an emergency event and effectively extinguish fire as it pertains to hot air ballooning activities.
Hours: 6 (4 Lecture, 2 Lab)

BETE 7160 Intro to Aircraft Smoke Evacuation and Rescue

Designed for the experienced municipal/volunteer fire fighter, this introductory course will deal with those conditions and environments found in a smoke filled aircraft. It will discuss and exemplify the different conditions likely to be found at an aircraft event as opposed to a typical vehicle or structural fire incident. This course will familiarize and demonstrate effective ways of dealing with such an incident using typical municipal fire department resources. It will offer solutions to rescue concerns and information on paths of ingress and egress. Safety issues and the dangers of working around aircraft will take a high priority. *Prereq: Member of airport fire department or mutual aid support fire/rescue company*
Hours: 3 (2 Lecture, 1 Lab)

BETE 7166 Intro to Air Purifying Respirators (Millennium® Emphasis)

This program provides the student an environment to become familiar with use of APRs. It will allow ample time to understand and practice various introductory skills required for the effective use of the APR. This course is particularly useful as introductory course for first responders who in the performance of their duties find themselves in potentially hazardous atmospheres. *Prereq: The ability to don, use, and work in Personal Protective Equipment(PPE) appropriate to the hazard(s) to be encountered*
Hours: 2 (2 Lecture, 0 Lab)
Gear: PPE

BETE 7167 Intro to Air Purifying Respirators (Millennium® Emphasis) Expanded

This program provides the student an environment to become familiar with use of APRs. It will allow time to understand and practice various introductory skills required for the effective use of the APR. This course is particularly useful as introductory course for first responders who in the performance of their duties find themselves in potentially hazardous atmospheres. *Prereq: The ability to don, use and work in Personal Protective Equipment(PPE) appropriate to the hazard(s) to be encountered*
Hours: 4 (2 Lecture, 2 Lab)
Gear: PPE

BETE 7188 Introduction to Emergency Response Group Go-Kits

This program provides the response community an environment to become familiar with use

of the kit provided APR and basic awareness levels of personal protective equipment. It will introduce and demonstrate basic techniques required for the effective use of the APR in conjunction with PPE. This course is particularly useful as an awareness course for emergency responders who in the performance of their duties find themselves in potentially bio-hazardous environments.
Hours: 2 (2 Lecture, 0 Lab)

BETE 7168 Patrol Response Awareness with Air Purifying Respirators (Millennium® Emphasis) Expanded

This program provides the law enforcement student an environment to become familiar with use of APRs and appropriate levels of personal protective equipment. It will allow time to understand and practice various introductory skills required for the effective use of the APR. This course is particularly useful as an awareness course for law enforcement officers who in the performance of their duties find themselves in potentially hazardous atmospheres. *Prereq: The ability to don, use, and work in Personal Protective Equipment(PPE) appropriate to the hazard(s) to be encountered*
Hours: 8 (5 Lecture, 3 Lab)
Gear: PPE

BETE 7129 Public Fire Education Planning, NFA (PFEP)

The basic concepts of fire education including history, fire prevention, high-risk identification, and community representation in planning are covered in this program. Several areas of N.F.P.A. 1031 are addressed in whole or in part.
Hours: 16 (16 Lecture, 0 Lab)

BETE 7084 Public Relations for the Fire & Emergency Services (MEDR)

This course is designed for the officers of emergency service organizations who come into the most contact with the public, press and businesses. It is designed to help improve their communication skills as well as present new ideas and ways to communicate their needs and message.
Hours: 16 (16 Lecture, 0 Lab)

BETE 7096 Silo Emergencies (FRSE)

This course is designed to train fire fighters and EMS personnel 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. *Prereq: Essentials Basic Module[EBM], FAFI, Respiratory Protection[REPR], Rope High Angle[RORE], Agricultural Farm Rescue[FARR], Confined Space Rescue, ATRC recommended*

Non-Credit Course Descriptions

Hours: 16 (8 Lecture, 8 Lab)
Gear: TOG, SCBA

Construction, Codes, Inspection

BETE 7073 Blue Print Reading and Plan Review (CEPR)

The course will able the fire officer, fire prevention official, fire marshal and code enforcement official to recognize architectural illustration and be able to recognize construction and fire protection features that are shown on the plans.
Hours: 16 (12 Lecture, 4 Lab)

BETE 7227 (PCCA) Building Code Official

Designed for the person who will be the administrator, manager or director of their municipality's or third-party agency's code enforcement office, this one and one-half day course provides a comprehensive overview of the statute and regulations that comprise the Uniform Construction Code (UCC). Topics include: key definitions and adopted codes; differences between exclusions and exemptions; training and certification regulations; legislative amendments to the UCC. This course is an extensive review session prior to the certification examination, which is administered immediately after the course presentation. Students are expected to have studied the material prior to attending the class and be familiar with the structure and scope of the statutes and regulations.
Hours: 12 (12 lecture, 0 lab)

BETE 7075 Building Construction (Principles of): Wood and Ordinary Combustible (NFA) (BCP)

The overall goal of this course is to provide 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. This course is intended for fire response personnel. Upon completion of this course, the student will be able to identify critical safety issues that affect firefighter safety for each classification of construction and identify appropriate measures to enhance the safety of emergency responders. *Prereq: Intro to Safety/Training[IST] or Intro to the Fire Service[ELIS]*
Hours: 16 (16 Lecture, 0 Lab)

BETE 7234 Principles of Building Construction - Noncombustible (NFA)(BCN)

The failure of a building or building components under fire conditions is the 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 the course of a fire incident, are essential survival skills. This course gives the student the ability to accomplish these tasks when confronted with a building of fire-resistant or non-combustible construction. The unique problems of conducting emergency operations in buildings under construction are also addressed. *Prereq: Intro to Safety Training [IST] or Intro to the Fire Service [ELIS]*
Hours: 16 (16 Lecture, 0 Lab)

Emergency Medical Programs

Courses marked with an asterik are required for ambulance corps service. Please call 610-332-6585 with questions.

PTRC 0024 Adult Heart Saver CPR/AED

The Heart Saver AED course includes the basic techniques of adult CPR and use of an automated external defibrillator. Students also learn about using barrier devices in CPR and giving first aid for choking. The course teaches how to recognize the signs of four major emergencies: heart attack, stroke, cardiac arrest, and foreign-body airway obstruction.
CEUs: 0.4
Hours: 4 (1.5 Lecture, 2.5 Lab)

BETE 9004 Airway and Airway Practical (DOH/EMT)

This program is designed to provide the cognitive knowledge and psychomotor skills required to access and maintain airway patency, delivery of supplemental oxygen, and methods of artificial ventilation. *Prereq: EMT-B, EMT-P, or First Responder, BLS*
Hours: 4 (2 Lecture, 2 Lab)

BETE 9015 Allergies (DOH/EMT)

The ability to recognize and manage a severe allergic reaction (anaphylaxis) is possibly the only thing standing between a patient and imminent death. This program provides information regarding the assessment and treatment of the patient experiencing an allergic reaction. *Prereq: EMT-B, EMT-P, or First Responder, BLS*
Hours: 2 (2 Lecture, 0 Lab)

BETE 9025 Ambulance Operations (DOH/EMT)*

This program provides a solid foundation related to the operational aspects of pre-hospital care. *Prereq: EMT-B, EMT-P, or First Responder, BLS Airway, Patient Assessment, History and Physical Exam for Medical and Trauma Patients*
Hours: 1 (1 Lecture, 0 Lab)

BETE 9002 Baseline Vital Sign and Sample HX (DOH/EMT)

This program is designed to provide the cogni-

tive knowledge and psychomotor skills to accurately assess and record a patient's condition, and obtain a SAMPLE history in the event that the patient loses consciousness. *Prereq: EMT-B, EMT-P, or First Responder, BLS*
Hours: 3 (2 Lecture, 1 Lab)

PTRC 0003 Basic Life Support for Health Care Provider AED/CPR

BLS Healthcare Provider Course is designed to teach the skills of CPR victims of all ages (Including ventilation with a barrier device, a bag-mask device, and oxygen); use of an automated external defibrillator (AED); and relief of foreign-body airway obstruction (FHAO). It is intended for participants who provide health care to patients in a wide variety of settings, including in-hospital and out-of-hospital. For certified or non-certified, licensed or non-licensed health care professionals.
CEUs: 0.8
Hours: 8 (3 Lecture, 5 Lab)

PTRC 0025 Basic Life Support Instructor Course

This two day program is designed to prepare the AHA, BLS instructor candidate to disseminate the science, skills and philosophy of resuscitation programs, and provide the knowledge and skills necessary to instruct and evaluate potential BLS providers.
CEUs: 1.6
Hours: 16 (8 Lecture, 8 Lab)

BETE 7044 Basic Vehicle Rescue Awareness (BVRA)* (Part 1 of a 3 part series)

This course is intended for personnel who need to have an awareness of vehicle rescue operations and how to assist a rescue company at a rescue scene. Upon the completion of this course the student will have an understanding of vehicle rescue, hazards of vehicle rescue operations, ICS phases of vehicle rescue. The student will also have an understanding of vehicle technology and design. *Prereq: participants must be at least 16 years of age*
Hours: 16 (8 Lecture, 8 Lab)
Gear: TOG, EP

BETE 7045 Basic Vehicle Rescue Operations Level (BVRO) (Part 2 of a 3 part series)

This course is intended for personnel who have already taken the BVR Awareness course in the past. This course teaches the student the use of hand tools in vehicle rescue operations and how to access and package the patient at the accident scene. Post rescue operations are also discussed. Upon the completion of this course the student will have reviewed hazards of vehicle rescue operations, ICS, and have an understanding of Hand tools, Access, Patient Extrication, and the Post Rescue phases of vehicle rescue. *Prereq: BVRA (certificate*

Non-Credit Course Descriptions

required), participants must be at least 16 years of age

Hours: 16 (8 Lecture, 8 Lab)

Gear: TOG, EP

BETE 7046 Basic Vehicle Rescue Technician (BVRT) (Part 3 of a 3 part series)

This course is intended for personnel who have already BVR Awareness and BVR Operations courses in the past. This course gives the student the knowledge of power tool usage and disentanglement techniques. At the end of this course the student will be able to take the written Basic Vehicle Rescue Technician certification test. Upon the completion of this course the student will have reviewed hazards of vehicle rescue operations, ICS, Access, Disentanglement, Extrication, Tools, Vehicle Anatomy, and the Post Rescue phases of vehicle rescue. The student will have an understanding of power tools and disentanglement techniques. *Prereq: participants must be at least 18 years of age*

Hours: 16 (8 Lecture, 8 Lab)

Gear: TOG, EP

BETE 9018 Behavioral Emergencies (DOH/EMT)

Behavioral Emergencies may result from an injury or acute illness, mental illness, or the use of mind altering substances. Restraints are the best last option in a behavioral emergency. This program will explore the behavioral changes exhibited by patients experiencing psychological crisis. The medical and legal considerations of providing treatment, and the methods employed for maintaining safety for self, patient and others. *Prereq: EMT-B, EMT-P, or First Responder, BLS*

Hours: 1.5 (1.5 Lecture, 0 Lab)

PTRC 0005 BLS Healthcare Provider Renewal AED/CPR

This session is open to those currently certified in Adult Heart Saver, Basic Life Support, Pediatric Basic Life Support and want to renew their certification. Includes a review of techniques, a written test, and demonstrations on CPR/AED. *Prereq: BLS CPR/HC Provider* CEUs: 0.4

Hours: 4 (1 Lecture, 3 Lab)

BETE 7062 Blood Borne Pathogens and Infectious Disease*

Any emergency responder, regardless of their location or branch of service, may be exposed to blood-borne pathogens and infectious diseases (such as Hepatitis C or HIV) in the course of their duties. In addition, the role of responders as "America's Domestic Defenders", places them at risk to exposure as a consequence of a WMD terrorist incident. This course provides basic information on the diseases themselves and routes of exposure as

well as precautions needed to minimize or eliminate risk and regulatory requirements.

This course, which meets the intent of applicable Federal infectious diseases that may be encountered in the emergency response environment.

Hours: 4.5 (4.5 Lecture, 0 Lab)

BETE 9013 Cardiac Emergency (DOH/EMT)

This program will provide information regarding the assessment and management of the patient with a cardiac emergency. Simulated situations will be provided for the participant to practice skills related to BLS and the use of the AED. *Prereq: EMT-B, EMT-P, or First Responder, BLS*

Hours: 3 (3 Lecture, 0 Lab)

BETE 9017 Environmental Emergencies (DOH/EMT)

Environmental emergencies include exposure to both heat and cold. The key to effective management is recognizing the signs and symptoms and providing prompt emergency medical care. This program is designed to provide knowledge related to the assessment and treatment of the patient experiencing an environmental emergency. *Prereq: EMT-B, EMT-P, or First Responder, BLS*

Hours: 2 (2 Lecture, 0 Lab)

BETE 9006 Focused H & P - Medical (DOH/EMT)

Emergency care for the medical patient is based upon assessment findings. This program will provide information regarding how to elicit a statement of the chief complaint, obtain a general history, and perform an appropriate assessment to allow for rapid emergency medical care for the non-trauma patient. *Prereq: EMT-B, EMT-P, or First Responder, BLS*

Hours: 2 (2 Lecture, 0 Lab)

BETE 9005 Focused H & P Trauma (DOH/EMT)

With trauma patients it is important for the participant to separate those patients who require rapid assessment and critical interventions from those patients, who can provide the cognitive knowledge, psychomotor skills and emotional considerations involved with obtaining a focused history, and performing appropriate assessment, triage, treatment and management of the trauma patient. *Prereq: EMT-B, EMT-P, or First Responders, BLS*

Hours: 2 (2 Lecture, 0 Lab)

BETE 9001 Human Body (DOH/EMT)

To perform an adequate patient assessment, the participant must be familiar with the normal anatomy of the human body and topographical terminology. This program is designed to provide a solid cornerstone of knowledge, which will enable the participant to build the essentials of quality patient assess-

ment and management. *Prereq: EMT-B, EMT-P, or First Responder, BLS*

Hours: 2.5 (2.5 Lecture, 0 Lab)

BETE 9023 Injuries to the Head and Spine (DOH/EMT)

This program is designed to provide the cognitive knowledge and practical skills required for the assessment and management of patients involved in traumatic incidents with emphasis on immobilization and procedures to reduce morbidity and mortality. *Prereq: EMT-B, EMT-P, or First Responder, BLS*

Hours: 4 (4 Lecture, 0 Lab)

BETE 9003 Lifting and Moving Patients (DOH/EMT)

This program is designed to provide information regarding ergonomics in patient-related activities to prevent self-injury, techniques for lifting and carrying, and the safe use of devices to assist with moving/transporting patients. *Prereq: EMT-B, EMT-P, or First Responder, BLS*

Hours: 3 (0 Lecture, 3 Lab)

BETE 9034 Medical/Legal and Ethical Issues (DOH/EMT)

Medical/legal and ethical issues are a vital element of the pre-hospital personnel daily life. Discussion will include, KNR, consents, minor, refusal of care, abandonment, negligence, battery, confidentiality and other pertinent topics. *Prereq: EMT-B, EMT-P, or First Responder, BLS*

Hours: 4 (4 Lecture, 0 Lab)

BETE 9022 Musculoskeletal Injuries (DOH/EMT)

Musculoskeletal injuries are one of the most common types of injuries encountered. The program will provide information related to the prompt identification and treatment of musculoskeletal injuries with a focus on reducing pain, preventing further injury and minimizing permanent damage. *Prereq: EMT-B, EMT-P, or First Responder, BLS*

Hours: 4 (4 Lecture, 0 Lab)

BETE 9019 Obstetrics and Gynecology (DOH/EMT)

Childbirth in the pre-hospital setting does occur on rare occasions. This program is designed to provide the knowledge and skills practice in simulated situations that can decrease stress and lead to better mother and child care, help to maintain professionalism, understand these uncommon emergency care situations, and support the patient as they seek definitive care. *Prereq: EMT-B, EMT-P, or First Responder, BLS*

Hours: 2 (1 Lecture, 1 Lab)

Non-Credit Course Descriptions

BETE 9007 Ongoing Assessment (DOH/EMT)

In order to assure appropriate care the participant must re-evaluate the patient frequently. This program is designed to provide guidelines, rationale, and reinforce the skills of patient assessment to be accurate with the documentation of findings and intervention. *Prereq: EMT-B, EMT-P, or First Responder, BLS*
Hours: 1 (1 Lecture, 0 Lab)

PTRC 0011 Standard First Aid

Learn First Aid for minor injuries, burns, bleeding, seizures, suspected sprains and dislocations. You'll receive a 2-year certification from American Heart Association.
CEUs: 0.4
Hours: 4 (1 Lecture, 3 Lab)

PTRC 0008 Standard First Aid & Heart Saver CPR/AED

Course covers standard first aid and how to recognize the signs of four major emergencies: heart attack, stroke, cardiac arrest, and foreign-body airway obstruction. Heart saver CPR/AED course includes the basic techniques of adult CPR and use of the automated external defibrillator. Lay rescuers will be able to recognize and treat life-threatening emergencies including cardiac arrest and choking for adult, child, and infant victims. Students also learn to recognize the warning signs of heart attack and stroke in adults and breathing difficulties in children. The American Heart Association certification is valid for two years. Meets OSHA regulations.
CEUs: 0.8
Hours: 8 (3 Lecture, 5 Lab)

BETE 5695 Street Survival for Emergency Medical Personnel (SSEP)

EMS personnel have become targets of violence, even as they respond to offer help in a fire or emergency situation. Your safety and that of your EMS crew is the most important concern during an emergency situation. Unfortunately, not everyone wants our Help and some actually want to harm us. Learn methods to improve your chances in this increasingly violent society. Target audience for this course is emergency medical personnel such as EMTs, paramedics, or first responders and firefighters who have direct responsibility for providing emergency medical care.
Hours: 16 (8 Lecture, 8 Lab)
Gear: EMS TOG

BETE 9021 Soft Tissue Injuries (DOH/EMT)

Soft tissue injuries range from abrasions to serious full thickness burns. This program is designed to provide information regarding the assessment and treatment of patients with soft tissue injuries with emphasis on controlling bleeding, preventing further injury, and reduc-

ing contamination. *Prereq: EMT-B, EMT-P, or First Responder, BLS*
Hours: 2 (2 Lecture, 0 Lab)

Infant & Children

Courses marked with an asterisk are required for ambulance corps service. Please call 610-332-6585 with questions.

BETE 9030 Heartsaver CPR: Pediatric Infant and Child

Curriculum will include skills for resuscitation infants and children up to 8 years old, pediatric one-rescuer CPR module, foreign body airway obstruction and infant and child safety.
CEUs: 0.4
Hours: 4 (1.5 Lecture, 2.5 Lab)

BETE 9024 Infants and Children (DOH/EMT)

This program is designed to provide the cognitive knowledge and practical skills required for the assessment and management of pediatric emergencies with emphasis on understanding the special factors involved. *Prereq: EMT-B, EMT-P, or First Responder, BLS*
Hours: 3 (3 Lecture, 0 Lab)

BETE 9016 Poisoning and Overdoses Emergencies (DOH/EMT)

Thousands of children are poisoned each year as they explore their environments. Many adults also overdose on medications, either accidentally or deliberately. This program provides the participants with information related to the assessment and early pre-hospital management required to improve outcomes of patients with poisoning/overdose. *Prereq: EMT-B, EMT-P, or First Responder, BLS*
Hours: 2 (2 Lecture, 0 Lab)

Early Childhood Courses

BETE 9053 American Heart Association Pediatric First Aid For Childcare Providers

This course teaches first aid for early childhood care personnel in the child care setting.
Hours: 4 (2 Lecture, 2 Lab)

BETE 9028 Asthma-ECELS Early Childhood

This program teaches child care personnel about asthma so that they can seek and use the specific information they need to care for an asthmatic child.
Hours: 2 (2 Lecture, 0 Lab)

BETE 7244 Childcare Emergency Preparedness, Practicing for Performance

Despite the best preventative measures emergencies happen in childcare facilities. When emergencies occur, appropriate actions as outlined in the site emergency plan must be implemented. Practice of those defined actions is an important part of the preparedness

process and therefore practice exercises are worth the effort. This course will focus on table top scenarios that will prompt discussion and thought on all proposed response actions. Practice will include first hour response actions along with escalating incidents that can last hours or days. Lessons learned from table top exercises can be used to revise operational plans and provide a basis for training to improve proficiency in executing those plans.
CEUs: 0.2
Hours: 2 (1 Lecture, 1Lab)

BETE 7225 Childcare Practitioners Fire Safety Awareness

This course will provide information and techniques that will allow the student to identify and assess fire hazards. It will further provide information that will guide appropriate actions to prevent, control, diminish and or eliminate fire hazards and threats. Emphasis is placed on safety for all actions taken.
Hours: 2 (2 Lecture, 0 Lab)

BETE 9043 Children with Special Needs

Participants will identify at least two of the key principles for the care of all children, including children with special needs. Practice gathering information and making decisions about enrolling a child with special needs in child care. Identify strengths and needs of a child with a special healthcare need. Discuss issues about confidentiality.
Hours: 2 (2 Lecture, 0 Lab)

BETE 9031 Common Illnesses Workshop

In this workshop participants will learn how to handle illness in child care setting, how to protect the health of staff and other children, and how to implement the national standards in their facilities.
Hours: 2 (2 Lecture, 0 Lab)

BETE 9074 Food Allergies

In this workshop participants will learn how to handle food allergies in child care settings, how to protect the health of staff and other children, and how to implement the national standards in their facilities.
Hours: 2 (2 Lecture, 0 Lab)

BETE 9030 Heartsaver CPR: Pediatric Infant and Child

This course is designed to teach CPR and relief of foreign body airway obstruction (FBOA) for infants (birth to 1 year) and children (1 year to 8 years).
Hours: 4 (1.5 Lecture, 2.5 Lab)

BETE 7224 Introduction to Fire Safety for Child Care Practitioners

This course will provide information that will allow the student to identify and assess fire hazards. It offers awareness to guide appropri-

Non-Credit Course Descriptions

ate action in order to prevent, control, diminish and or eliminate fire hazards and threats.

Emphasis is placed on safety for all actions taken.

Hours: 1 (1 Lecture, 0 Lab)

BETE 7228 Introduction to Playground and Active Play Safety

This course will provide information and guidance as it relates to the promotion of playground and active play safety. Discussion of equipment set-up, maintenance, play surfaces, child supervision, accessibility along with safety guidelines and identification of common hazards offers the practitioner a clear understanding of the need for implementation of safe practices and procedures to assure safe play environments.

Hours: 2 (2 Lecture, 0 Lab)

BETE 9070 Keystone Color Me Healthy Workshop

This interactive workshop will explore the award winning Color Me Healthy curriculum, as well as, supportive materials and activities. Participants will develop a plan for promoting good nutrition, planning healthy meals/snacks and integrating physical activities appropriate for preschool children within their own classrooms while addressing the PA Early Learning Standards. Those completing this three hour training may have an opportunity to receive approximately \$100 worth of materials from the PA Department of Public Welfare for their facility.

Hours: 3 (2 Lecture, 1 Lab)

BETE 7219 Preventing Injury during Active Play: ECELS Early Childhood

This program will provide guidance to help make children's active play experiences safer and reduce the risk of serious injuries by demonstrating the most common playground hazards, setting up and maintaining safe play environments, supervising children adequately, and promoting safe behavior.

Hours: 2 (2 Lecture, 0 Lab)

BETE 9042 Safe Medication Administration in Child Care

Any caregiver who administers medication shall be trained to: check that the name of the child on the medication and the child receiving the medication are the same, read and understand the label/prescription directions in relation to the measured dose, frequency and other circumstances relative to administration (such as in relation to meals), administer an oral medication according to the prescribed methods and the prescribed dose, observe and report any side effects from the medications, and document administration of oral medication correctly by the time and amount given.

Hours: 3 (3 Lecture, 0 Lab)

Special Equipment Requirements

All courses require students to have at least a pen/pencil and a notebook. Course descriptions list specific requirements for each course.

CARE - Cave Rescue Basic Orientation - Students will need the following equipment for both days: 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 or goggles - 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. Student may bring additional personal or department owned equipment, but all such equipment will be subject to inspection prior to use. Fire fighter turnout gear is not acceptable for this class.

CSR - Confined Space Rescue - Students will need the following equipment for both days: helmet with chin strap (fire, construction or climbing helmet), eye protection (such as safety glasses or goggles) leather gloves, work or hiking boots which provide support (NO SNEAKERS), knee pads possible, outdoor work clothing or coveralls appropriate for weather conditions an S.C.B.A. (positive-pressure type only). Fire fighter turnout gear is not acceptable for this class.

EP - Eye Protection - Eye protection such as safety glasses or goggles

FCIR - Ice Rescue - Students will need appropriate clothing for weather conditions, and a set of warm, dry clothes to change into, helmets and personal flotation device.

FCLS - Water Rescue: Line Systems

FCWA - Water Rescue: Phase II - Students 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).

FCWR - Water Rescue: Phase I - STUDENTS WILL BE REQUIRED TO PASS A SWIMMING TEST AT THE BEGINNING OF THE CLASS. Students will need swimsuit, towels, get wet clothing for prevailing weather conditions, whistle, personal flotation device, and water rescue helmet (if available).

ROBR - Basic Rigging for Rope Rescue - Students will need the following equipment for both days: helmet with chin strap (fire, construction or climbing helmet), eye protection (such as safety glasses or goggles- 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, 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 turnout gear is not acceptable for this class. Students will also need a 15-foot section of rope and 1 15-foot piece of 1 inch tubular webbing for knot practice.

ROPE - Rope/High Angle Rescue - Students will need the following equipment for both days: helmet with chin strap (fire, construction or climbing helmet), eye protection (such as safety glasses or goggles - 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, 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 turnout gear is not acceptable for this class.

SCBA - Self Contained Breathing Apparatus - Positive-Pressure self contained breathing apparatus meeting NFPA standards

SCOF - Structural Collapse Operations - Level II - Students will need the following equipment for both days: helmet with chin strap (fire, construction or climbing helmet), eye protection (such as safety glasses or goggles- helmet face shields are not acceptable), ear protection, leather gloves, work or hiking boots which provide support (NO SNEAKERS), outdoor work clothing or coveralls appropriate for weather conditions. Fire fighter turnout gear with the additional protection listed above is acceptable for this class.

TOG - Turn-Out-Gear - Preferably meeting NFPA standards consisting of helmet, ear/neck protection, eye protection, protective coat and pants, fire service books, gloves and (preferably) PASS device. Students should also wear long sleeve shirts and trousers under the turn-out-gear.

TRE - Trench Rescue - Students will need the following equipment for both days: helmet with chin strap (fire, construction or climbing helmet), eye protection (such as safety glasses or goggles- helmet face shields are not acceptable), leather gloves, work or hiking boots which provide support (NO SNEAKERS), outdoor work clothing or coveralls appropriate for weather conditions. Fire fighter turnout gear with the additional protection listed above is acceptable for this class.

WBFF - Wild land Fire Fighting - Students will need the following equipment for both days: helmet with chin strap (fire, construction or climbing helmet), eye protection (such as safety glasses or goggles - helmet face shields are not acceptable), leather gloves, work or hiking boots which provide support (NO SNEAKERS), outdoor work clothing or coveralls appropriate for weather conditions. Fire fighter turnout gear is not acceptable for this class.

WC - Work Clothing - Sturdy work clothing (appropriate for weather conditions) consisting of trousers and long sleeved shirt or coveralls, hardhat, eye protection, work gloves and hard-toe shoes/boots.

WILD - Wilderness Search & Rescue- Students will need clothing appropriate for weather conditions, sturdy work or hiking-type boots, eye protection and a compass.



CORPORATE & PUBLIC SAFETY

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