


Northampton Community College

Introduction to the Fire Service (LEVEL 1 ELIS)
HazMat Awareness
Fireground Support (LEVEL 2 ELFG)
Exterior Firefighter (LEVEL 3 ELEF)
HazMat Operations

SPRING 2021

Lead Instructor –Rick Weaver

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Class Hours: Weeknights 6:30 PM to 10:30 PM - Weekends 8:00 AM to 5:00 PM
Course Location: Northampton County Fire School - *UNLESS OTHERWISE NOTED*
6 Nagys Hill Road
Bangor, PA 18013
Phone -610-588-3747

Required Textbook: *IFSTA – Essentials of Fire Fighting and Fire Department Operations, Sixth Edition and Pennsylvania Edition Entry Level Fire Training Skills Sheets Book*

Course objectives and outcomes:

Student learning outcomes for Essentials of Firefighting and Emergency Response based on core threads that are tied to the program outcomes include:

- LEVEL 1 – How to safely respond to, return from, and operate during fire department emergencies
- LEVEL 2 – Learn task-specific training involving non suppression activities
- LEVEL 3 – Learn skills required to perform exterior fire ground operations

Specific Essentials of Firefighting and Emergency Response Learning Objectives from the Pennsylvania State Fire Academy aligning with the recommendations of the National Fire Prevention Agency

With successful completion of this course, the student will be able to understand, perform and demonstrate competency of all objectives as stated and outlined in the assigned chapters per the *IFSTA – Essentials of Fire Fighting and Fire Department Operations, Sixth Edition* textbook. Also be certified in the first three modules of Essentials of Firefighting: Level 1 Introduction to the Fire Service (ELIS); Level 2 Fireground Support (ELFG); Level 3 Exterior Fire Fighter (ELEF).

Methods of Evaluation

1. Written Exams on materials covered in lectures.

2. Practical Skills evaluations: Competency Skill is Pass / Fail
3. Comprehensive Final Exam. ***Retests for just cause or failure will not exceed 2 tries***

Passing grade is 70% for written exams and demonstration of competency by adequate performance of skill sets, per PA State Fire Academy Entry Level Fire Training Skills Sheets. Student is required to successfully pass the written and practical assessments.

Grades will be earned on total point basis with a percentage breakdown as follows:

94 -- 100 = A	83 -- 86 = B	73 -- 76 = C
90 -- 93 = A-	80 -- 82 = B-	70 -- 72 = C-
87 -- 89 = B+	77 -- 79 = C+	69 & Below = F

ALL SKILL SETS ARE PASS / FAIL

* All examinations and practical skill sets will be in correlation with the Pennsylvania State Fire Academy curriculum

Attendance requirements:

Maximum amount of time that can be missed will be **10%** of each individual Level. The student is responsible to complete all reading and study guide assignments regardless of absence.

STUDENT QUALIFICATIONS AND STUDENT SUPPLIED MATERIALS

1. (a) The student must be fourteen (14) years of age prior to the first day of the class for Hazmat Awareness and Levels 1 through 3.
(b) The student must be sixteen (16) years of age prior to the first day of the class For Hazmat Operations.
2. The student must show that he/she is insured against accidental injury.
3. The student is responsible to provide his/her own personal protective clothes and equipment. The following minimum gear is required:
 - a. Helmet, fire type (or equivalent) with full impact suspension and liner.
 - b. Coat, fire type, with all liners in place.
 - c. Pants, fire type, with all liners in place.
 - d. Boots, fire type, rubber or leather. Boots must have steel toes and steel insole.
 - e. Eye protection, full goggles or wraparound safety glasses are required. Helmet shields alone are not acceptable as eye protection.
 - f. Fire type gloves of leather or Kevlar construction.
 - g. Hearing protection, either earplugs or full coverage ear protectors.
 - h. Notebook and writing implement for both the classroom and the field portions of the course.
 - i. NFPA Compliant self contained breathing apparatus (SCBA) for Level 2, Level 3 and HazMat Ops

2021

**NOTE: ALL WEEKDAY CLASSES ARE FROM 1830 HOURS TO 2230 HOURS
ALL WEEKEND CLASSES ARE FROM 0800 HOURS TO 1700 HOURS**

Date & Time	Course & Topics
ELIS – LEVEL 1	PREREQUISITE - None
Thursday 01/07	PPE (Ch 6) / FF Safety & Work Area (Ch 2) / Tools & Lighting (Ch 11)
Saturday 01/09	AM – Tools & Lighting (Ch 11) (continued) / Orientation & Fire Service History (Ch 1) PM- Skills – PPE / Tools & Lighting, / Apparatus & Work Area
Thursday 01/14	Written Test (25 Questions)
HAZMAT AWARENESS	PREREQUISITE - None
Saturday 01/16	HazMat Awareness / Written Test
ELFG – LEVEL 2	PREREQUISITES – ELIS and HAZMAT AWARENESS
Saturday 01/23	AM – Communications (Ch 3) <i>w/Skills</i> PM - Rope & Knots (Ch 8)
Thursday 01/28	Fire Behavior (CH 5) / Fire Hose (Ch 15) /Water Supply (Ch 14 & 15)
Saturday 01/30	AM - SCBA (Ch 6) / Building Construction (Ch 4) PM - Skills Hose Rolls & Inspection / Hose Loads & Hose Lays/ Water Supply
Thursday 02/04	Skill Cascade / SCBA Ops / Ropes & Knots (practice)
Saturday 02/06	AM – Skills Ropes & Knots / Skills Water Supply / Skills SCBA Ops PM - Written Test (50 Questions)
ELEF – LEVEL 3	PREREQUISITES – ELFG, ICS 100b and IC 700a
Thursday 02/11	Fire Streams (Ch 16) / Hose Advancement (CH 15) / SCBA (Ch 6)
Saturday 02/13	AM - Ladder (Ch 12) lecture / SCBA Donning PM – Skills 1 ¾ Hose Ops / Skills 2 ½ Hose Ops & 2 ½ Burst Hose / Advance Dry Hose on ladder
Thursday 02/18	Extinguishers (Ch 7) / Fire Behavior (Ch 5)
Saturday 2/20	AM – SCBA Donning / Extinguishers Skills – Class A / B / C PM - Ladder practice –Roof w/Tools / 24’ w/ Hose / 35’ w/ Rescue
Thursday 02/25	Forcible Entry (Ch 11) / Building Construction (Ch 4)
Saturday 02/27	AM – Skills SCBA Donning / Ladder practice –Roof / 24’ / 35’ PM – Hose Advancement Division 1 / Division 2 Dry Hose off ladder/ Dry Hose line on Ladder
Thursday 03/04	Forcible Entry Skills - Forcible Entry Door & Lock / Force Window / Breach Wall

Saturday 03//06	<p>AM – Ladders Skills Roof w/Tools / 24’ w/ Hose / 35’ w/ Rescue / <i>Ladder Play Ground</i></p> <p>PM –Hose Advancement Skills Division 1 / Division2 stand pipe stair / Charged Hose line on Ladder</p>
HAZMAT OPERATIONS	<p><i>PREREQUISITE – HAZMAT AWARENESS</i> <i>REQUIRED FOR FF1 PRO BOARD</i></p>
Saturday 03/13	Intro & Overview (Ch1) / Properties & Effects (Ch2) Recognition & Identification (Ch3)
Thursday 03/18	Potential Harm (Ch4) / Implement Response (Ch5) / PPE (Ch8) / Product Control (Ch12)
Saturday 03/20	<p>Skills: Absorption, Adsorption, Divert, Dike, Retention. Overflow & Underflow Dams, Vapor Dispersion Vapor Suppression, Don & Doff PPE, Dilution</p> <p><i>The Scene Control and Implement a response skills are part of skill stations 1, 2, 3 & 4.1, 2, 3 & 4.</i></p>
Thursday03/25	Written Test (50 Questions) <i>Remediation</i>