

UTAH FIRE SERVICE CERTIFICATION COUNCIL

Utah Fire and Rescue Academy

**Firefighter I & Firefighter II
HazMat Awareness & Operations**

ACCREDITATION EMPHASIS SUPPLEMENT

This document encompasses the administrative, training, facility and equipment standards developed by the Utah Fire and Rescue Academy for the Accredited Firefighter Academy training program at Utah Valley University, and as a basis for equivalency statewide.

Accredited Firefighter Academy Training Program EMPHASIS SUPPLEMENT

Reviewed, Modified and Adopted by
Utah Fire Service Certification Council
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Scope

This Emphasis Supplement addresses terminology, standards, curriculum, and competencies for training, equipment and facility needs for Non-Affiliated Firefighter Training programs.

Purpose

To provide operational guidelines for the Accredited Firefighter Academy Training programs.

Certification Requirements

To certify within the Non-Affiliated Accredited Firefighter Academy Training Programs, programs must ensure the following requirements are met:

- 1 - Each participant has met requirements listed in NFPA 1001, Chapter 4, 5, 2019 Edition.
- 2 - Each participant has met the requirements of CPR – BLS – Healthcare Provider.
- 3 - Each participant has met requirements as required by NFPA 470, Chapters 4 thru 7, 2022 Edition.
*Use versions of NFPA Standards listed in UFSCC state standards, as verified, and adopted by the Utah Fire Service Certification Council. [Utah Fire and Rescue Academy Certification Page | Utah Fire and Rescue Academy | Utah Valley University \(uvu.edu\)](#)
- 4 - Each training program has completed section R710-16-6, 1-4.
- 5 - Each training program has filed an “Application for Accreditation” and “Self-Study” document with the Certification, Assistant Director.
- 6 - Each training program has successfully completed a site visit and has been awarded accreditation for a 5-year period.
- 7 – Each training program has paid an evaluation “site visit” fee of \$1,000 payable to Utah Valley University. As of January 2025, fees will increase to \$2,500.

Utah Valley University Credit for Certification

Students can receive credits with proof of Utah certification for the levels listed below.

Firefighter I/II = 13 credits

Haz/Mat Awareness/Operations = 3 credits

For more information, please contact UVU, Emergency Services, Academic Advisors by calling 801-863-7798.

Guides, Regulations and Standards

This document establishes the training criteria, including curriculum, facilities, equipment, and fire ground construction. It is not meant to limit, but to generally define the needs and to assist any agency in the development of a non-affiliated Accredited firefighter Academy training program. The critical element is the final product, the Recruit Candidate. The Recruit must be competent and prepared to function effectively as a member of an emergency services team. Responsibilities and legal liabilities require that the following guides, regulations, and standards are followed as they apply to training operations.

NFPA 470	<i>Hazardous Materials/Weapons of Mass Destruction Standard for Responders, 2022 Edition</i>
NFPA 1402	<i>Guide to Building Fire Service Training Centers, 2019 Edition</i>
NFPA 1403	<i>Standard on Live Fire Training Evolutions, 2018 Edition</i>
NFPA 1500	<i>Standard on Fire Department Occupational Safety and Health Program, 2021 Edition</i>
NFPA 1852	<i>Standard on Selection, Care, and Maintenance of Open-Circuit Self-Contained Breathing Apparatus (SCBA), 2019 Edition</i>
NFPA 1901	<i>Standard for Automotive Fire Apparatus, 2016 Edition</i>
NFPA 1971	<i>Standard on Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting, 2018 Edition</i>
NFPA 1989	<i>Standard on Breathing Air Quality for Emergency Services Respiratory Protection, 2019 Edition</i>
OSHA 1910.134	OSHA, PPE, RESPIRATORY PROTECTION STANDARD

ADMINISTRATION

Instructor to student ratios is established as:

Classroom lecture...	1 instructor
Classroom skills ...	1 instructor per 10 students
Operational skills ...	1 instructor per 5 students*
Live Fire training ...	1 instructor per 3 students*

*Note: One instructor shall be assigned as Safety Officer

Student Records

Accurate performance records for each student shall be kept by the training agency for a minimum of five (5) years and made available for accreditation purposes.

Emergency Equipment

Non-affiliated firefighter training classes shall have emergency medical equipment available that ensures the health and safety of participants during all operational instruction periods. A telephone or cellular phone must be always available to the instructor in the event of a medical or other emergency.

CURRICULUM

Curriculum Objectives are covered in the following texts and standards:

- IFSTA Essentials of Fire Fighting 7th Edition, and IFSTA 7th Edition Course Workbook. Oklahoma State University, OK.
 - ISBN: 978-0-87939-657-2 (textbook) ISBN: 978-0-87939660-2 (course workbook)
- NFPA 470, Hazardous Materials/Weapons of Mass Destruction, 2022 Edition.
- NFPA 1001, Standard for Fire Fighter Professional Qualifications, 2019 Edition
- Current DOT, Emergency Response Guidebook

OUTCOMES AND ASSESSMENTS

1. Non-affiliated firefighter training graduates shall demonstrate the required skills and knowledge as defined in the UFSCC standards for FF I, FF II and Hazardous Materials Awareness and Operations levels.
2. Non-affiliated firefighter training graduates shall demonstrate the elements of teamwork, cooperation, ethics, and discipline that are expected of a professional firefighter.
3. Non-affiliated firefighter training graduates shall demonstrate problem-solving skills appropriate for emergency and non-emergency situations.

FACILITY, STRUCTURE AND EQUIPMENT CRITERIA

Laddering skills require:

1. A structure that allows ladders to be raised against the building and above the roof level. (The NFPA have not designated a minimum height of the building. The building should be high enough to deploy an extension ladder correctly)
2. Entry doors and windows capable of sustained forcible entry or other training operations.
3. Building area that is free of overhead or other obstructions that can present hazards.
4. Building area that is free of obstacles around the structure to allow ladder maneuvering.

Ventilation skills require:

1. A structure with a safe roof or roof-prop that can be cut with axe and/or chainsaw appropriate for required skills.
2. A structure with entrance(s) and exit(s) that can sustain large volumes of air passing through it.

Hose and Nozzle skills require:

1. A structure with a minimum of two (2) flights of stairs and a stairway standpipe connection or standpipe prop.
2. A structure designed to eliminate water damage from training operations.

Apparatus requirements:

1. One apparatus per five (5) students is recommended.
2. Apparatus shall meet the current NFPA standard 1901 for the year of manufacture and have appropriate safety upgrades i.e.: man bars, man nets, seat belts and hearing protection.
3. Apparatus shall meet the following minimum requirements
 - 250 gallon tank
 - Pump with 1250 gpm capacity.Equipment on apparatus (minimum):
 - 300' LDH
 - 600' 2 ½" supply hose
 - 2 - 200' 1 ½" or 1 ¾" pre-connect attack line with nozzles
 - 200' 2 ½" pre-connect attack line with nozzle

- 100' 1 ½' or 1 ¾" high rise pack with nozzle
- 20' total of drafting hose (not required to be carried on the apparatus)
- Master stream device with portable base.
 - Fog nozzle
 - Smooth Bore Stacked Tips
- Adapters:
 - 2 - Double males (1 in hydrant bag)
 - 2 - Double females (1 in hydrant bag)
 - 2 ½" male to storz
 - 2 ½" female to storz
 - 2 - 2 ½" to 1 ½" gated wye (1 in high rise bag)
 - 2 ½" to 2 ½" gated wye
- Rubber mallet
- Hose strap
- 3 - 2 ½" gate valves
- 2 sets spanner wrenches
- 2 sets of 5" spanner wrenches
- 3 hydrant wrenches
- Hydrant bag (to hold the above noted items)
- 2 ½" fog nozzle with pistol grip
- 1 ½' fog nozzle with pistol grip
- Foam eductor matched to 1 ½ fog nozzle (gpm to gpm)
- 5" hydrant gate with fitting for LDH
- Dry chemical extinguisher
- Pressurized water extinguisher
- 2 - 10' X 12' or larger salvage covers
- 10 lbs. sledgehammer
- 2 - 6' or longer pike pole
- Two sets of irons with straps
 - Halligan tool
 - Flat head axe
- 2 - pick head axes
- 6' rubbish hook
- Bolt cutters
- Chainsaw – Minimum 18" blade
- 2 1/2" hose clamp
- 100' of utility rope (1/2" or 11mm) in a bag
- High rise bag
- PPV fan
- 4 traffic cones
- 2 Wheel chocks
- Extension ladder
- Roof ladder

UNIFORM, PERSONAL PROTECTION AND OTHER EQUIPMENT

- Fire boots (rubber)
- Structural Fire gloves (with wristlets)
- 2 Fire hoods (non-vented)
- Shorts or sweat pants
- T-shirts. Suggested minimum of 2 shirts
- Pants – must be at least 90% cotton or Nomex
- Leather belt
- Steel-toes or safety toe black work boots. Pull-on or zippers recommended
- Running shoes
- Water Bottle
- 2” three ring binder
- Note taking material

*It is not necessary to purchase leather NFPA fire boots, rubber fire boots are approved

**EMS style pant is approved

If your vision requires glasses and you cannot wear contacts, you may want to order a prescription SCBA lens for the appropriate airpack.

Fire Ground Operations:

1. Area must be large enough to allow the largest truck to safely maneuver around during operational drills.
2. Area must be long enough to allow maneuvers for class activities such as pump operation and hose lays.

Hazardous Materials Operations training requirements:

1. Curriculum, equipment, and PPE to accomplish the tasks as outlined in the operations level training.
2. One chemical suit per student
3. Equipment to establish training for a decontamination area.
3. Equipment necessary to perform diking and damming operations.
4. Sand or Dirt: Sufficient to fulfill State Skills requirements.

Personal Protective Equipment and SCBA requirements:

1. One full ensemble of current NFPA 1971 compliant protective turnout clothing furnished and dedicated for each student, suitable for the activity being taught. All repairs must have been accomplished by a certified repair agency or individual.
2. An SCBA mask for each student.
3. The student will be fit tested as per current NFPA / NIOSH standards.
4. Participants in Live Fire Operations must be decontaminated with fire hose streams after each live fire training session is completed and before returning PPE to the apparatus.

Grounds and Structures:

1. 100 X 100 ft area per 20 students
2. 300 ft long run-in area for truck operations
3. Training grounds wide enough to turn around the largest fire truck
4. Structure suitable for laddering

5. Structure with two flights of stairs and a standpipe or standpipe prop
6. Restrooms shall be available for students and instructors during all training operations.
7. Contingency plans shall be in place for times or weather not conducive to safe outdoor training operations.
8. Adequate lighting for safe night operations must be provided.

Water Supplies:

1. The training area must have at least two (2) usable hydrants.
2. Hydrant system needs to sustain at least one thousand (1,000) GPM

MAINTENANCE CRITERIA:

Training programs shall utilize personnel with specialized training who are capable of:

1. Properly inspecting equipment and training area facilities per current NFPA and other applicable standards.
2. Maintaining and /or repairing all equipment and facilities used in the Training programs per current NFPA and other applicable standards i.e.:
 - . Apparatus
 - . Personal Protective Equipment (Turnout Gear) & SCBA
 - . Training area facilities and buildings
 - . Physical tools and equipment

DEFINITIONS

Definitions, as they apply specifically to this document and the intent of R710-16-6 of the Utah State Fire Marshal's Office Administrative Rules:

Basis For Judgment: Explanatory statement(s) which amplify the criteria for accreditation, or which provide example of how the requirements may be interpreted to allow for flexibility yet remain within the framework of the criteria.

Certification Program Manager: An officer of the Council, appointed by the Director of the Utah Fire and Rescue Academy, who handles all correspondence, records, and routine duties of the Certification Council.

Emphasis Supplement: A set of documents developed by UFRA, specifying the content, length, materials, equipment, and other components needed for successful delivery of classes leading to specific certification levels.

Evaluation Instruments: Testing mechanisms to measure student learning throughout a course of study.

Evaluation Security System: Policies, procedures and physical measures used to prevent unauthorized access to evaluation and testing instruments.

Accredited Firefighter Academy Training Program: Those training organizations that desire to offer certification through the Certification System for non-affiliated personnel.

Non-Affiliate Program Coordinator: Someone who oversees the course delivery and ensures the course meets each of the applicable objectives.

Non-affiliated Students: Means an individual who is not a member of an organized fire department.

Operational skills: Skills which involve more than minimum risk, power tools or working above ground level. IE: ladder work, chainsaw operations, working in SCBA etc.

Outcomes Assessment: A documented system of measurements of student progress and institutional success used to provide information on overall program quality, progress, and direction for improvement over an extended period of time.

Recruit Candidate Academy (RCA): An accredited firefighting recruit candidate academy program currently meeting the provisions of this document and the training requirements necessary for written and skills certification through the Utah Fire Service Certification Council.

Utah Fire Prevention Board: Establishes standards for those agencies conducting non-affiliated academy fire service training.

Utah Fire Service Certification Council: Establishes standards for those agencies conducting non-affiliated academy fire service training.

Utah Valley University (UVU): A student-centered institution of higher education. The University reserves the right to change its role, policies, or course offerings from time to time.