



Pennsylvania State Fire Academy

1150 Riverside Drive, Lewistown PA 17044

www.osfc.pa.gov



Minimum Standard for Accreditation (MSA)

Course Title: FAA Part 139 Live Fire Training (Airport Annual Burn)

Publication Date: 04/06/2024

Course Code: AAB

Minimum Age: 18

Course Length: 4.0 to 8.0 Hours (Hours can vary depending on skill sets and number of students)

PA DOH Con-Ed

Lecture / Lab (Hours/Minutes): 2/2-6

Course #: None

Prerequisite(s) Aircraft Rescue and Fire Fighting (ARFF) or NFPA 1003 Airport Fire Fighter certification or approval by Fire Chief/Airport Manager re: competency in basic fire fighter skills.

Reference(s) FAA Advisory Circular 150/5210-17c: Programs for Training of Aircraft Rescue and Firefighting Personnel; IFSTA Aircraft Rescue and Fire Fighting, current edition.

Course Goal This program was designed as annual core refresher and live fire training for students who have received initial ARFF training as established in FAA 14 CFR 139.319.

Course Description Designed for experienced ARFF fire fighters, this course will consist of a review of ARFF and safety procedures, followed by a variety of aircraft live fire scenarios. The curriculum meets current FAA Part 139.319 (i)(2)(i-xi) and FAA Part 139.319 (i)(3) annual live-fire training requirement for fire fighters at certificated airports.

Instructional Methodology(s) The methodology for this course consists of lecture, discussion, demonstration, and supervised practical exercises.

Student Equipment/Supplies Pen/pencil & notebook, Personal Protective Equipment and Respiratory Protection as issued by the Authority Having Jurisdiction (AHJ). The PSFA Facial Hair Policy will be enforced for those using respiratory protection.

Facility Audiovisual / Equipment / Supplies

1. Classroom set up with usual amenities; computer and computer projection equipment with screen/monitor; Audio Visuals for the course.
2. Instructor Guide and PowerPoint Presentation.
3. Flammable liquid hydrocarbon (FLH) or propane fueled fixed or mobile training simulator.
4. Aircraft Rescue Fire Fighting (ARFF) apparatus equipped with turret capable of flowing an appropriate amount of extinguishing agent.

Competency Evaluation Mechanism(s) Instructor evaluation of student's performance during live fire exercises.

Special Note(s) / Condition(s) Staffing will meet the requirements of NFPA # 1403 and the SFA Structural Burn Policy. Class sizes over 30 students will be approved before the fact by SFA Field



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Education Specialist. The lead instructor **MUST** be a Pennsylvania-accredited AAB instructor for State Certificates of Training to be issued.

Pre-Course Assignment(s) None

Course Outline

Time (Minutes)	Topic
120 Minutes	Airport Fam, Aircraft Fam, Rescue & Firefighting Personnel Safety, Emergency Communication Systems, Emergency Aircraft Evacuation Assistance, Adapting and Using Structural Rescue and Firefighting Equipment for ARFF, Aircraft Cargo Hazards, Dangerous Goods, Firefighters Duties under the AEP. (Mandatory)
120 Minutes	Application of Extinguishing Agents, Firefighting Operations: Fuel Spill live fire exercise utilizing handlines and/or turret. (Mandatory) *Respiratory protection required for handline exercises.
120 Minutes	Application of Extinguishing Agents, Firefighting Operations: Engine, Wheel/Brake live fire exercises utilizing handlines. (Optional) *Respiratory protection required.
120 Minutes	Application of Extinguishing Agents, Firefighting Operations: Interior live fire and rescue exercises utilizing handlines and/or High Reach Extendable Turret (HRET). (Optional) *Respiratory protection required for handline exercises.

Learning Objectives

1. The student will properly don appropriate Personal Protective Equipment (PPE) and demonstrate its safe use in a hazardous fire environment.
2. Wearing appropriate PPE and given an ARFF vehicle, the student will demonstrate the capability to safely and rapidly extinguish the following fires:
 - a. Wheel/Brake fire
 - b. Engine fire
 - c. Fuel Spill fire
 - d. Interior Cabin fire

**Questions/Comments: Please contact the State Fire Academy
717-248-1115 OR in PA: 1-800-459-4096**

Proposal drafted by Allegheny County Airport Authority FAA Regional ARFF Training Facility Staff.



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Revision History

Date	Action	By
12/1992	Revised template	
02/2006	Revised	
02/27/2023	Template updated	J. Lauver
04/06/2024	Revised	
05/31/2024	Template updated	J. Lauver