



Class Outline NFPA 1003/ProBoard Basic Aircraft Rescue Firefighting

Class Length: 5 days (M-F), 40 hours

**Class Times: 0800-1700 (M-Th)
0800-1300 (F)**

Reading Materials:

**IFSTA- Aircraft Rescue and Firefighting, 5th Ed.
(Textbook and study guide)**

Day 1

Monday

0800-1700

Class start (0800)

Orientation (0800-0900)

- Welcome/Instructor/student introductions
- Facility familiarization
- Class registration/rosters/miscellaneous paperwork

Lecture (0900-1130)

- Chapter 1- Qualifications for ARFF Personnel
- Chapter 2- Airport Familiarization
- Chapter 5- Communications
- Chapter 10 -Airport Emergency Planning

Lunch (1130-1230)

Lecture (1230-1630)

- Chapter 3-Airport Familiarization
- Chapter 4-Safety and Aircraft Hazards
- Chapter 6-Extinguishing Agents
- Chapter 8- Rescue Tools and Equipment

Q & A Session (1630-1700)

Day 2
Tuesday
0800-1700

Q & A Session (0800-0810)

Lecture (0810-1100)

- Chapter 7- Apparatus
- Chapter 9- Driver Operator
- Chapter 11- Strategic and Tactical Operations

Crash truck Familiarization & Operation (1100-1130)

- Lecture, walk-around, and demonstration of the FSCJ Fire Training Academy's crash truck with emphasis on operational safety and use on subsequent practical drills.

Lunch (1130-1215)

Familiarization Tour – Jacksonville Airport (1215-1700)

Day 3
Wednesday
0800-1700

Safety Brief/Vitals/Walk-thru (0800-0830)

Practical Drill (0830-1130)

- **Drill #6 Interior Fire Attack**

As a member of a team, student will successfully:

1. Approach, gain access into, find, and extinguish an aircraft interior fire using an apparatus hose line.
2. Ventilate the products of combustion through doors and/or hatches using hydraulic or mechanical ventilation.
3. Use appropriate tools and equipment to detect, expose, and extinguish all hidden fire, and protect all property from further damage.

(NOTE: TAKE CLASS PHOTO AT END OF THIS DRILL PERIOD)

Lunch (1130-1230)

Practical Drills (1230-1630)

- **Drill #1 Three Dimensional Fire**

As a member of a team, student will successfully extinguish a three-dimensional aircraft fuel fire by demonstrating proper application of primary and secondary agents and securing of the fuel source.

- **Drill #2 Fuel Spill Fire- Wheeled Extinguisher**

Student will, in less than 25 seconds, successfully extinguish a 250 sq. ft. aircraft fuel spill fire by proper application of agent from a 100lbs. (min.) extinguisher.

- **Drill #3 Fuel Spill Fire- AFFF Hose line**

As member of a team, student will successfully extinguish an aircraft fuel spill fire in less than 90 seconds, by use of an apparatus hand line flowing (min. 95gpm) AFFF extinguishing agent.

Practical Drill

- **Drill #9 Forcible Entry & Victim Rescue**

As a member of a team, the student will successfully demonstrate the ability to:

1. Properly ladder an aircraft, operate doors and hatches, and gain access into an aircraft.
2. Confirm shut down and safety the aircraft.
3. Perform proper search procedures, locate, and move victims to an appropriate exit point.
4. Remove victims from aircraft and move to an appropriate location.
5. Triage patients per protocol

Safety Brief/Vitals

(1630-1700)

Day 4

Thursday

0800-1700

Safety Brief/Vitals/Walk-thru

(0800-0830)

Practical Drill

(0830-1130)

- **Drill #6 Interior Fire Attack**

As a member of a team, student will successfully:

4. Approach, gain access into, find, and extinguish an aircraft interior fire using an apparatus hose line.
5. Ventilate the products of combustion through doors and/or hatches using hydraulic or mechanical ventilation.

6. Use appropriate tools and equipment to detect, expose, and extinguish all hidden fire, and protect all property from further damage.

Lunch (1130-1230)

Practical Drills (1230-1630)

- **Drill #4a Engine/APU Fire (hand line)**
As a member of a team, student will successfully extinguish an aircraft engine fire and/or an APU fire using an apparatus hand line.
- **Drill #5 Wheel Assembly Fire (hand line)**
As a member of a team, student will successfully approach and extinguish an aircraft wheel assembly fire using an apparatus hand line.

Safety Brief/Vitals/Walk-thru (1630-1700)

Day 5

Friday

0800-1300

Q & A Session (0800-0810)

Final testing (0815-0930)

Safety Brief (0930-0945)

Practical Drill (0945-1230)

- **Drill #7 Fire Suppression & Response**
The student, in an ARFF vehicle, will respond to a simulated aircraft accident.
The student, as a member of a team, shall successfully demonstrate the ability to:

1. Read, interpret and take correct action related to the use of grid maps, water distribution maps, airport markings, signs and lights.
2. Operate communications systems; communicate an accurate situation report, implement ICS and airport emergency plans; recognize various aircraft types.
3. Communicate with ATCT and obtain proper clearances.
4. Operate communications equipment using correct aviation phraseology and phonetic alphabet.
5. Recognize hazardous conditions and initiate proper corrective action.
6. Apply firefighting agents to the SAFT using ARFF vehicle turrets, so that the fire is successfully extinguished in less than 90 seconds.
7. Connect hose lines, operate pumps, valves, and transfer devices so that the ARFF vehicle is resupplied in a timely manner for continuous ARFF firefighting operations.

Q & A/Certificates/Closing Remarks

(1230-1300)

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