

Program of Instruction

Course Syllabus

Course Title: ARFF Apparatus Driver/Operator

Course Duration: 24 hours

Program: Driver/Operator

Course Prerequisites:

NFPA Airport Firefighter Certification; and
NFPA Driving Skills Attestation

Course Description: This 24-hour course is designed for Airport Fire Fighter personnel who are responsible for driving and operating ARFF apparatus. Students will be introduced to the characteristics and operational capabilities of ARFF apparatus, how to safely drive and operate ARFF apparatus, the inspection and maintenance of ARFF apparatus, and the proper positioning of ARFF apparatus for the effective application of extinguishing agents and rescue operations. Students will be required to operate ARFF apparatus during a final practical.

Course Requirements and/or Recommendations: These can be divided into three categories: those completed prior to arriving in class (Pre-Course Work), those completed during class, such as homework assignments and quizzes (Course Work), and requirements completed after class sessions have ended, but prior to receiving a certificate of completion. (Post-Course Work)

Summary of Directions

Pre-Course Work: None

Course Work: Attend and participate in lecture and practical exercises.

Post-Course Work: None

Textbook:

IFSTA, Aircraft Rescue and Fire Fighting, 6th Edition 2015

Course Policies:

Attendance Policy: IFSI requires students to attend (100%) or make up all course content that leads to certification. Students are expected to attend on time and to remain in class for the duration of the course. Students **MUST COMPLETE** all portions of a certification course, both classroom and practical, to be eligible to receive their certification.

If a student misses any portion of class with an accumulated absence of 20% or less of scheduled class time, it will be the student's responsibility to arrange the make-up of the missed course content with the instructor(s) or program manager. The student must make up the specific course content that s/he missed, not just the hours. Make-ups are limited to 20% of scheduled class time. Make-ups must be documented on the class roster. If a student's absence is greater than 20% refer to "True Emergencies" section of the IFSI Examination Policy.

Safety Policy: Students shall understand and follow all instructions pertaining to operational safety, as stated by instructors or as written in course materials. Instructors and students shall be mindful of safety at all times. Conduct judged to be unsafe shall be grounds for dismissal from the course.

Academic Integrity Policy: IFSI has the responsibility for maintaining academic integrity so as to protect the quality of the education provided through its courses, and to protect those who depend upon our integrity. It is the responsibility of the student to refrain from infractions of academic integrity, from conduct that may lead to suspicion of such infractions, and from conduct that aids others in such infractions. Any violation of the code of conduct is grounds for immediate dismissal from the course.

Grading Policy: Decisions regarding certificates of course completion shall be made solely by the lead instructor of the course. All grading of exams shall be conducted by the Curriculum/Testing Office. All grading of practical exercises shall be based upon the standards set by the regulatory agency referenced in the course material and IFSI.

Retesting: If a student fails to pass an exam, retesting takes place on set dates at regional sites across the state. More information is provided in the course completion e-mail and on the IFSI website.

American Disabilities Act: As guaranteed in the Vocational Rehabilitation Act and in the American Disabilities Act, if any student needs special accommodations they are to notify their instructor and provide documentation as soon as possible so arrangements can be made to provide for the student's needs. If arrangements cannot be made at the class site, the student will test at an alternative time and place where the special accommodations can be made.

Evaluation Strategy: Students will be evaluated with performance evaluation checklists.

Course Content:

Module: 1

Title: ARFF Apparatus

Terminal Learning Objective:

At the conclusion of this module, the student will identify the features and characteristics of ARFF apparatus.

Module: 2

Title: Driving ARFF Apparatus

Terminal Learning Objective:

At the conclusion of this module, the student will demonstrate driving an ARFF apparatus.

Module: 3

Title: Aviation Terminology

Terminal Learning Objective:

At the conclusion of this module, the student will identify common aviation terminology and marking systems.

Module: 4

Title: ARFF Apparatus Inspection and Maintenance

Terminal Learning Objective:

At the conclusion of this module, the student will demonstrate the inspection of an ARFF apparatus.

Module: 5

Title: ARFF Apparatus Positioning

Terminal Learning Objective:

At the conclusion of this module, the student will demonstrate positioning an ARFF apparatus for a given scenario.

Module: 6

Title: ARFF Apparatus Operations

Terminal Learning Objective:

At the conclusion of this module, the student will demonstrate operating an ARFF apparatus.

Reference List:

IFSTA, Aircraft Rescue and Fire Fighting, 6th Edition 2015

NFPA 402, Guide for Aircraft Rescue and Fire-Fighting Operations, Edition 2013

NFPA 403, Standard for Aircraft Rescue and Fire-Fighting Services at Airports, Edition 2018

NFPA 414, Standard for Aircraft Rescue and Fire-Fighting Vehicles, Edition 2017

NFPA 1002, Standard for Fire Apparatus Driver/Operator Professional Qualifications, Edition 2017

NFPA 1003, Standard for Airport Fire Fighter Professional Qualifications, Edition 2015

NFPA 1911, Standard for the Inspection, Maintenance, Testing, and Retirement of In-Service Emergency Vehicles, Edition 2017

Oshkosh Airport Products, Striker Operator's Manual, Part No. OM-T-OM660-0916, 2016

Course Schedule

DAY ONE

<u>Event</u>	<u>Duration</u>
Module 1 - ARFF Apparatus	30 minutes
Module 2 - Driving ARFF Apparatus	1 hour
Drill 1.1 – ARFF Apparatus walk-around	30 minutes
Drill 2.1 – Drive an ARFF apparatus	2 hours
Lunch	
Module 3 - Aviation Terminology	1 hour
Module 4 - ARFF Apparatus Inspection and Maintenance	1 hour
Drill 4.1 - ARFF apparatus Inspection	30 minutes
Module 5 - ARFF Apparatus Positioning	1 ½ hours

DAY TWO

<u>Event</u>	<u>Duration</u>
Module 6 - ARFF Apparatus Operations	1 hour
Drill 6.1 – Operate an ARFF Apparatus	1 ½ hours
Drill 6.2 – Operate an ARFF Apparatus from Various Sources	1 ½ hours
Lunch	
Drill 5.1 – Position an ARFF Apparatus	2 hours
Drill 5.2 – ARFF Incident Positioning Tabletop Exercise	2 hours

DAY THREE

Event

Duration

Final Evaluation Stations

8 hours