ALABAMA FIRE COLLEGE
AND PERSONNEL STANDARDS & EDUCATION COMMISSION

COURSE SYLLABUS

Airport Fire Fighter **FSC 264** **44 clock hours**

COURSE DESCRIPTION

Designed for fire departments, both civilian and military, whose primary mission is aircraft fire and rescue. This course meets the training requirements for NFPA 1010: *Standard on Professional Qualifications for Firefighters,* 2024 Edition. The course covers such topics as Airport Familiarization, Aircraft Rescue and Fire Fighting Apparatus, Aircraft Types, Engines and Systems, and Aircraft Rescue and Fire Fighting Procedures. These classroom sessions are followed by practical exercises in turret operations and extinguishment of wheel/brake, engine, interior cabin, and fuel spill fires through the use of handlines. This course will be held at a facility where various aircraft and apparatus are available.

* This is a physically demanding course which requires students to be in good physical condition.

ADMISSION REQUIREMENTS

- 18 years of age
- High School Diploma/GED

PREREQUISITES

- (Pro Board or IFSAC) Certified Fire Fighter II

REQUIRED COURSE MATERIALS

- **IFSTA: *Airport Rescue and Fire Fighting,* 7th Edition**

Other Equipment:

- NFPA Compliant Turnout Gear
- SCBA with Spare Bottle
- PASS Device

STUDENT LEARNING OBJECTIVES

- Respond to day and night incidents or accidents on and adjacent to the airport.
- Communicate critical incident information regarding an incident or accident on or adjacent to an airport.
- Communicate with applicable air traffic control facilities.
- Extinguish a 250 ft^2 aircraft fuel spill fire in 25 seconds.
- Extinguish a 786 ft^2 aircraft fuel spill fire in a time proportionate to, but no longer than, 90 seconds.
- Extinguish a 1923 ft^2 aircraft fuel spill fire in a time proportionate to, but no longer than, 90 seconds.
- Extinguish a three-dimensional aircraft fuel fire as a member of a team.
- Attack a fire on the interior of an aircraft while operating as a member of a team.
- Attack an engine or auxiliary power unit/emergency power unit (APU/EPU) fire on an aircraft while operating as a member of a team.
- Attack a wheel assembly fire as a member of a team.
- Ventilate an aircraft, through available doors and hatches, while operating as a member of a team.
- Replenish extinguishing agents while operating as a member of a team.
- Preserve the aircraft accident scene.
- Overhaul the accident scene.
- Gain access into and out of an aircraft through normal entry points and emergency hatches, shut down and safety the aircraft, and assist in the evacuation process while operating as a member of a team.
- Locate and disentangle an entrapped victim from an aircraft as a member of a team.

CERTIFICATION REQUIREMENTS

To be issued certification, the candidate will: provide documentation of prerequisites, complete required training hours including skills training, successfully complete the cognitive written exam, and successfully complete the practical exam.

ACCREDITATION

Alabama Fire College and Personnel Standards Commission maintains accreditation with Pro Board and IFSAC. Each student will automatically receive national registration and certification upon successful completion of all requirements for certification.

COURSE SCHEDULE (SUBJECT TO CHANGE)

Day One:	Introductions Chapter 1: Airport Familiarization Chapter 2: Aircraft Familiarization Chapter 4: Safety Tour of Airport
Day Two:	Chapter 6: ARFF Rescue Chapter 7: Extinguishing Agents, Chapter 9: Apparatus Chapter 5: ARFF Communications Practical Skills
Day Three:	Chapter 3: ARFF Hazards Chapter 8: ARFF Fire Fighting Operations Chapter 10: Driver/Operator
Day Four:	Chapter 11: Strategies and Tactics Safety Briefing, Drill Field Scenarios, and Live Burns
Day Five:	Chapter 12: Airport/Community Emergency Planning Helicopter Familiarization, JPR Practical Skills Testing, Survey, and Cognitive Certification Exam

GRADE ASSESSMENT

COGNITIVE/WRITTEN EXAMINATION

Perform to a minimum 70% competency on the examination,
(One retest is allowed after 30 days but within one year of course end date.)

PRACTICAL EXAMINATION

Successfully complete a skills/project evaluation to a minimum of 70% competency and successful completion of all critical points. Evaluators will test at least 25% of the skills for each. Skill sheets to be tested will be randomly selected by AFC Certification Unit for the practical examination. (One retest is allowed after 30 days but within one year of course end date.)