



ALABAMA FIRE COLLEGE

AIRPORT FIRE FIGHTER SYLLABUS

FSC 264

44 CLOCK HOURS

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| Prerequisite(s) | <ul style="list-style-type: none"> • (Pro Board or IFSAC) Certified Fire Fighter II • High School/GED |
| Course Description | <p>Designed for fire departments, both civilian and military, whose primary mission is aircraft fire and rescue. This course meets the training requirements of both NFPA 1003: Standard for Airport Fire Fighter Professional Qualifications, and FAA FAR Part 139.319. Successful completion of course requirements may lead to Pro Board and IFSAC certifications. 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.</p> |
| Student Learning Objectives | <ul style="list-style-type: none"> • 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 ft² aircraft fuel spill fire in 25 seconds. • Extinguish a 786 ft² aircraft fuel spill fire in a time proportionate to, but no longer than, 90 seconds. • Extinguish a 1923 ft² 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. |
| Required Textbook and Course Materials | <ul style="list-style-type: none"> • <u><i>Aircraft Rescue and Fire Fighting, IFSTA, 6th Edition</i></u> |
| Reading Prior to Arrival | <ul style="list-style-type: none"> • Textbook material suggested |
| Daily Activities and Class Participation | <p>This course will involve discussion, questions and answers on the materials, and case studies. Class participation is expected from all students.</p> |
| Basis | <p>Alabama Fire College and Personnel Standards Commission, Administrative Code, Chapter 360-X-8-.01: Requirements for Certified Airport Fire Fighter</p> |
| Certification Requirements | <p>To be issued certification, the candidate will</p> <ul style="list-style-type: none"> • provide documentation of prerequisites. • complete required training hours including skills training. • successfully complete cognitive written exam. • successfully complete practical exam. |
| Grade Assessment | <ul style="list-style-type: none"> • Written Examination: Perform to a minimum 70% competency on the examination, calculated at 50% of the final score for the course. (One retest is allowed after 30 days but |

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| | <p>within one year of course end date.)</p> <ul style="list-style-type: none"> Practical Examination (if applicable): 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 level of skill sheets. Skill sheets will be randomly selected by AFC Certification Unit for this practical examination. The Practical Examination portion is calculated at 50% of the final score. (One retest is allowed after 30 days but within one year of course end date.) <p>Example:</p> <p>Written examination - 70/100 possible points 70 x 50% = 35 points awarded for written exam portion</p> <p>Practical/project - 40/100 possible points 40 x 50% = 20 points awarded for practical portion</p> <p>Total Points = 55 points (student awarded F, score not 70%>)</p> |
| 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. |
| Contact Information | <p>Link: Alabama Fire College Website 1-800-241-2467</p> <p>Link: Alabama Fire College Bookstore Website 1-866-984-3545</p> |
| Academic Misconduct | Academic misconduct or dishonesty, such as cheating and plagiarism is not permitted in class. Suspected cases of academic misconduct will be reported to the Executive Director. Conduct detrimental to the fire service, on or off campus, will not be tolerated. AFC will investigate any complaints. If a complaint is valid, the student will be dismissed, and his/her agency will be notified. |
| Attendance Policy | <p>Attendance will be recorded at every class or lab meeting at the beginning of class and after long breaks for required hours. For a week-long certification course, students are required to attend all sessions to obtain certification. For VA students, it is especially important because they will receive benefits only for those days in attendance.</p> <p>Special Policy: Fire Fighter I/II: Students are expected to attend all classes. Failure to appear in class for a scheduled activity will be considered an absence unless prior permission is received from the instructor. For any absence to be excused and makeup work allowed, it must be accompanied by a written description of extenuating circumstances.</p> <p>No-Show: Students who have registered for a fee-waived or stipend course and fail to withdraw, according to Alabama Fire College withdrawal policy, will not be allowed to register for another fee-waived or stipend course for a period of one year.</p> <p>Department Delivery: In order to qualify for department delivery courses, students must be an Alabama resident or a member of an Alabama fire department.</p> |
| Tardiness | Students must adhere to class schedules. Students are required to be punctual for all classes and class activities. Classes will begin promptly at the scheduled time unless specific instructions are given otherwise. |
| Safety | Safety of the students is the top priority for Alabama Fire College. Students must adhere to safety regulations while attending a class at the Fire College. Safety instructions are posted in every classroom, as well as escape routes and tornado actions. |
| Quality Enhancement Plan | An evaluation form will be provided for each student at the end of the course. Students may use this evaluation form as a means of communicating their opinion of the overall course, course content, instructor, and facilities. |
| Course Schedule | <p><i>Suggested Course Schedule</i></p> <p>Day 1 – Introductions, Qualifications for ARFF Personnel, Airport Familiarization, Aircraft Familiarization, Tour of Airport</p> <p>Day 2 – ARFF Fire Fighter Safety and Aircraft Hazards, ARFF Communications, Extinguishing Agents, Apparatus</p> <p>Day 3 – Rescue Tools and Equipment, Driver/Operator, Strategic and Tactical Operations, Night Drills</p> <p>Day 4 – Safety Briefing/Drill Field Scenarios, Rescue and Extinguishers, ARFF Fire Fighting/Pit Fire, Fuselage Fire and Wheel Fire</p> <p>Day 5 – Airport Emergency Plans, Helicopter Familiarization (Air E-Vac), JPR Skills Testing, Review, Survey, Certification Exam</p> <p><i>The schedule is subject to change.</i></p> |

