Alabama Fire College
Fire Department Safety Officer: Incident Safety Officer
Syllabus
FSC 256
40 Clock Hours

Prerequisite(s)	• (Pro Board or IFSAC) Certified Fire Officer I **Alternative Certification:** • Individuals not certified to the Fire Officer I level completing equivalent coursework as approved by the Commission are eligible for alternative certification under the following conditions: o Alabama state licensed Emergency Medical Technicians certified to the EMS or Rescue Officer I level may be certified as EMS Safety Officer I. o Individuals certified to the EMS or Rescue Officer I Level and able to demonstrate particular competence in the area of rescue operations may be certified as Rescue Safety Officer I.
Course Description	This course is based on **NFPA 1521**: *Standard for Fire Department Safety Officer Professional Qualifications*. The course is intended for the member within a fire department or emergency service organization who performs the functions of an Incident Safety Officer or who serves as an assistant to the Incident Safety Officer.
Student Learning Objectives	• Perform the role of ISO within an incident command system (ICS) at an incident or planned event. • Monitor the IAP, conditions, activities, and operations. • Manage the transfer of ISO duties. • Stop, alter, or suspend operations based on imminent threats posed to fire fighter safety. • Monitor and determine the incident scene conditions. • Monitor the accountability system. • Determine hazardous incident conditions and advise the IC to establish or modify control zones. • Identify motor vehicle incident scene hazards. • Monitor radio transmissions. • Identify the incident strategic requirements (e.g., fire, technical rescue, hazmat), the corresponding hazards, the size, complexity and anticipated duration of the incident, including the associated risks. • Determine the hazards associated with the designation of a landing zone and interface with helicopters. • Notify the IC of the need for intervention resulting from an occupational exposure to atypical stressful events. • Determine hazardous energy sources that can affect responder health and safety. • Monitor conditions, including weather, fire fighter activities, and work cycle durations. • Determine incident environmental and operational factors and confirm the establishment of rapid intervention crew (RIC) and evaluate the need to increase RIC capability. • Communicate fire behavior, building access/egress issues, collapse, and hazardous energy issues to established RICs. • Identify and estimate building/structural collapse hazards. • Determine flashover and hostile fire event potential at building fires. • Determine fire growth and blow up. • Determine the suitability of building entry and egress options at building fires.

	• Determine the need for a rescue technician−trained ISO or assistant ISO. • Prepare a safety plan that identifies corrective or preventive actions. • Deliver a safety briefing for technical rescue incident response members. • Determine the need for a hazardous materials technician trained ISO or assistant ISO. • Prepare a safety plan that identifies corrective or preventive actions. • Deliver a safety briefing for hazardous materials incident response members. • Identify that hazardous materials incident control zones have been established and communicated to personnel on the scene. • Conduct a safety and health investigative process. • Prepare a written post-incident analysis (PIA) from the ISO perspective. • Report observations, concerns, and recommendations.
Required Textbook and Course Materials	• ***Fire Department Incident Safety Officer, Jones & Bartlett, 3rd Edition***
Reading Prior to Arrival	• Textbook material suggested
Daily Activities and Class Participation	This course will involve discussion, questions and answers on the materials, and case studies. Class participation is expected from all students.
Basis	Alabama Fire College and Personnel Standards Commission, Administrative Code, Chapter 360-X-16-.02: Requirements for Certified Fire Department Safety Officer: Incident Safety Officer
Certification Requirements	To be issued certification, the candidate will: • provide documentation of prerequisites. • complete required training hours including skills training. • successfully complete cognitive written exam. • successfully complete practical exam.
Grade Assessment	• 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 within one year of course end date.) • 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.) **Example:** Written examination - 70/100 possible points 70 x 50% = 35 points awarded for written exam portion Practical/project - 40/100 possible points 40 x 50% = 20 points awarded for practical portion Total Points = 55 points (student awarded F, score not 70%>)
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	**Link: Alabama Fire College Website** **1-800-241-2467** **Link: Alabama Fire College Bookstore Website** **1-866-984-3545**
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	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. 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. 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. Department Delivery: In order to qualify for department delivery courses, students must be an Alabama resident or a member of an Alabama fire department.
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	***Suggested Course Schedule*** **Day 1** Chapter 1 The Safety Officer Role Chapter 2 Safety Concepts Chapter 3 Guiding Laws, Regulations, and Standards Chapter 4 Designing an Incident Safety Officer System Chapter 5 Reading Buildings Chapter 6 Reading Smoke **Day 2** Chapter 7 Reading Risk Chapter 8 Reading Hazardous Energy Chapter 9 Reading Firefighters Chapter 10 Triggers, Traps, and Working with the Incident Commander Chapter 11 A Systematic Approach to the ISO Role Project 1: Create an Incident Safety Officer Checklist Chapter 12 The ISO at Structure Fires Project 2: Serve as the Incident Safety Officer on a building/structural fire **Day 3** Chapter 13 The ISO at Wildland and I-Zone Fires Project 3: Serve as an Incident Safety Officer at a Wildland Fire Chapter 14 The ISO at Hazardous Materials Incidents Project 4: Serve as an Incident Safety Officer at a Hazardous Materials Incident Chapter 15 The ISO at Technical Rescue Incidents Project 5: Serve as the Incident Safety Officer at a Motor Vehicle Accident Project 6: Serve as an Incident Safety Officer at a Technical Rescue Incident **Day 4** Chapter 16 Post incident Responsibilities and Mishap Investigations Project 7: Terminating your role as Incident Safety Officer and conducting a Post Incident Analysis Project 8: Conducting an accident investigation Chapter 17 The ISO at Training Drills and Special Events.

	Day 5 Project Completion Course Critique Certification Exam ***The schedule is subject to change.***