

# ALABAMA FIRE COLLEGE

## AND PERSONNEL STANDARDS & EDUCATION COMMISSION



### COURSE SYLLABUS

**Fire Inspector**

**FSC 252**

**80 clock hours**

#### PREREQUISITES

- 18 years of age
- High School Diploma/GED

#### REQUIRED COURSE MATERIALS

- **IFSTA: Fire Inspection and Code Enforcement, Ninth Edition**
- Fire Inspector Student Manual
  - This will be available digitally through AFC online by using your student login. You will be given access to the AFC online classroom one week prior to the course start date. If you prefer a printed copy, you may purchase this through the Alabama Fire College Bookstore.

#### **Additional Materials:**

- International Fire and Building Code (edition used by your authority having jurisdiction) OR,
- NFPA 1: *Uniform Fire Code*, NFPA 101: *Life Safety Code*, and NFPA: 5000: *Building Construction Safety Code* (edition used by your jurisdiction)
- Calculator
- Laptop that can produce documents in Microsoft Office or Adobe PDF

#### DESCRIPTION

This course is based on NFPA 1030: *Standard for Professional Qualifications for Fire Prevention Program Positions*, Chapter 7, Fire Inspector, 2024 Edition. This course provides the participant with an in-depth view of the skills and duties required of the Fire Inspector. The course trains individuals in the interpretation of applicable codes and standards, covers the procedure involved in various types of inspections, and prepares the inspector for the plans review process. It is an advanced-level course that covers a wide range of topics some of which are: Inspection Procedure, Building Construction, Occupancy Classification and Means of Egress, Fire Protection, Water Supply Systems, Plans Review, and the Storage of Hazardous Materials. This is a very demanding course with pre-course work, in-person instruction, assignments, and post-course assignment completion.

#### **Pre-Course Requirements:**

Students will be required to complete the following Pre-Course requirements prior to the beginning date of the Fire Inspector course. Students will be given access to AFC Online two weeks prior to course begin date. The student will receive an email from the AFC Registration Office providing access to AFC Online.

#### **The student will:**

1. Complete the Academic Integrity video and acknowledgment to gain access to the Pre-Course materials
2. Read the following chapters and watch the associated video lecture
3. Complete the associated Project Assignment: **Projects are not required to be submitted prior to your course start date**
  - Chapters 1 and 16; Project 1
  - Chapters 2, 3, 4, and 5; Project 2
  - Chapters 8 and 9; Project 5
  - Chapter 15; Project 15

The student's point of contact is the Instructor for the course. Instructor contact information will be provided in the AFC Online access email. If the Instructor is not available, the student should contact the Program Manager: [Dallis Johnson](#)  
Students will be given 2 weeks after the course end date to complete all Project submissions and submit in **AFC Online**.

## STUDENT LEARNING OBJECTIVES

- Process a permit application.
- Process a plan review application.
- Investigate complex complaints.
- Recommend modifications to codes and standards of the jurisdiction.
- Recommend policies and procedures for the delivery of inspection services.
- Compute the maximum allowable occupant load of a multi-use building.
- Identify the occupancy classifications of a mixed-use building.
- Determine the building's area, height, occupancy classification, and construction type.
- Evaluate fire protection systems and equipment provided for the protection of life safety, building, or facility.
- Analyze the egress elements of a building or portion of a building.
- Evaluate hazardous conditions involving equipment, processes, and operations.
- Evaluate emergency planning and preparedness procedures.
- Verify code compliance for storage, handling, and use of flammable and combustible liquids and gasses.
- Evaluate code compliance for the storage, handling, and use of hazardous materials.
- Determine fire growth potential in a building or space.
- Inspect emergency access for a site.
- Verify compliance with construction documents.
- Classify the occupancy type.
- Compute the maximum allowable occupant load.
- Review the proposed installation of fire protection systems.
- Verify that means of egress elements are provided.
- Verify the construction type of a building or portion thereof.

## 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 Pre-Course Review Chapters 1 and 16 Project 1 Review Pre-Course Review Chapters 2-5 Project 2 Review Chapter 6: Means of Egress Project 3
Day Two:	Chapter 7: Site Access Project 4 Pre-Course Review Chapters 8 and 9 Project 5 Review Chapter 10: Water Supply Distribution Systems Project 6
Day Three:	Chapter 11: Water-Based Fire Suppression System Chapter 12: Portable Extinguishers and Special Agent Fire Extinguishing Systems Project 7 Chapter 13: Fire Detection and Alarm Systems Project 8
Day Four:	Chapter 14: Plan Review Projects 9-13 Pre-Course Review Chapter 15 Projects 14 and 15 Review Project 16
Day Five:	Review; Course Survey; Certification Examination

## GRADE ASSESSMENT

### 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.)