

# ALABAMA FIRE COLLEGE

## AND PERSONNEL STANDARDS & EDUCATION COMMISSION



### COURSE SYLLABUS

**First Responder Inspector**

**FSC 251**

**24 clock hours**

#### PREREQUISITES

- 18 years of age
- High School Diploma/GED

#### REQUIRED COURSE MATERIALS

- ***IFSTA: Fire Inspection and Code Enforcement, Ninth Edition***
- First Responder 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 Code (edition used by your authority having jurisdiction) OR,
- NFPA 1: *Uniform Fire Code* and NFPA 101: *Life Safety Code* (edition used by your jurisdiction)
- Access to Departmental Inspection Checklist
- 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 6 First Responder Inspector*. A beginning level course for Fire Fighters and other interested parties wishing to become more involved in the aspect of fire prevention and inspections. This course is primarily designed for line personnel and company level officers. Some of the topics covered in this course include: Inspections reports, code application and field enforcement, complaint investigations, hazard identification, verification of occupancy classifications, and fire alarm and suppression components.

#### STUDENT LEARNING OBJECTIVES

- Prepare inspection reports
- Recognize the need for a permit
- Recognize the need for plan review
- Investigate common complaints
- Identify the applicable code or standard
- Participate in legal proceedings
- Identify the occupancy classification of a single-use occupancy
- Compute the allowable occupant load of a single-use occupancy or portion thereof
- Inspect means of egress elements
- Verify the type of construction for an addition or remodeling project
- Determine the operational readiness of existing fixed fire suppression systems
- Determine the operational readiness of existing fire detection and alarm systems
- Determine the operational readiness of existing portable fire extinguishers
- Recognize hazardous conditions involving equipment, processes, and operations
- Compare an approved plan to an existing fire protection system
- Verify emergency planning and preparedness measures are in place and have been practiced

- Inspect emergency access for an existing site
- Verify code compliance for incidental storage, handling, and use of flammable and combustible liquids and gasses
- Verify code compliance for incidental storage, handling, and use of hazardous materials
- Recognize a hazardous fire growth potential in a building or space
- Determine code compliance
- Verify fire flows for a site

## 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: Duties and Authority Chapter 15: Additional Fire Inspector Duties Chapter 16: Inspection Procedures Project 1 Chapter 2: Fire Dynamics Chapter 3: Construction and Structural Systems Chapter 4: Building Components and Services Chapter 5: Occupancy Classifications Project 2 Project 3
Day Two:	Chapter 6: Means of Egress Project 4 Chapter 7: Site Access Project 5 Chapter 8: Fire Hazard Recognition Chapter 11: Water-Based Fire Suppression Systems
Day Three:	Chapter 12: Portable Extinguishers and Special Agent Fire Extinguishing Systems Chapter 13 Fire Detection and Alarm Systems Project 6 Review Survey Certification Examination

## 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.)