

# ALABAMA FIRE COLLEGE

## AND PERSONNEL STANDARDS & EDUCATION COMMISSION



### COURSE SYLLABUS

#### Fire Inspector II

FSC 252

40 clock hours

#### PREREQUISITES

- 18 years of age
- (Pro Board or IFSAC) Certified Fire Inspector I

#### REQUIRED COURSE MATERIALS

- **Jones & Bartlett: Principles and Practice, Revised Enhanced 1st Edition**
- **Fire Inspector II Student Manual** (Optional if using AFC Online)
  - Available in AFC Online; student manual can be purchased separately from AFC 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)
- Calculator
- Laptop

#### DESCRIPTION

This course is based on NFPA 1031: *Standard for Professional Qualifications for Fire Inspector and Plan Examiner*. This course delves deeper into 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 which 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.

#### 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 a 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, Chapter 14: Writing Reports & Keeping Records, Appendix A, Chapter 1: Introduction to Fire Inspector, Chapter 2: Building Construction, Chapter 3: Types of Occupancies
Day Two:	Chapter 4: Fire Growth; Chapter 5: Performing an Inspection; Chapter 6: Reading Plans
Day Three:	Chapter 7: Occupancy Safety and Evacuation Plans, Chapter 9: Fire Flow and Fire Suppression Systems, Chapter 10: Portable Fire Extinguishers, Chapter 11: Electrical and HVAC Hazards
Day Four:	Chapter 12: Ensuring Proper Storage and Handling Practices, Chapter 13: Safe Housekeeping Practices
Day Five:	Complete practical exercises, review, skills testing, survey, and certification exam

## 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.)