

Bossier Parish Community College  
Master Syllabus

**Course Prefix and Number:** FRSC 150

**Credit hours:** 2

**Course Title:** Fire Protection Systems

**Course Prerequisites:**

**Textbook(s):** Brakhage, C., A. Abrams, and J. Fortney, Fire Detection and Suppression Systems, 5<sup>th</sup> ed., IFSTA/Fire Protection Publications

**Course Description:** This course provides information relating to the features of design and operation of fire alarm systems, water-based fire suppression systems, special hazard fire suppression systems, water supply for fire protection and portable fire extinguishers.

**Learning Outcomes:**

At the end of the course, the student will be able to

- A. identify and describe various types and uses of fire protections systems
- B. describe the basic elements of a public water supply system as it relates to fire protection

To achieve the learning outcomes, the student will be able to

1. identify the different types, uses, and benefits of fire protection systems found in various types of structures. (A,B)
2. summarize the basic elements of a public water supply system as it relates to fire protections systems. (B)
3. explain the operation and appropriate application for the different types of portable fire protection systems. (A)
4. identify the different types and components of sprinkler, standpipe, and foam systems. (A)
5. discuss residential and commercial sprinkler legislation. (A,B)
6. compare the basic components and detectors in a fire alarm system. (A)
7. describe the hazards of smoke, and list the four factors that can influence smoke movement in a building. (A)

**Course Requirements:** To earn a grade of “C” or higher the student must earn **XXX%** of the total points for the course and meet all of the following course requirements.

**Course Grading Scale:**

**Attendance Policy:** **Attendance Policy:** The college attendance policy (for the classroom) is available at <http://www.bpcc.edu/catalog/current/academicpolicies.html>

**Course Fees:** (if applicable)

### **Nondiscrimination Statement**

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#### COORDINATOR FOR SECTION 504 AND ADA

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