

Bossier Parish Community College  
Master Syllabus

**Course Prefix and Number:** FRSC 150

**Credit hours:** 2

**Course Title:** Fire Protection Systems

**Course Prerequisites:** Completion of FRSC 100: Principles of Emergency Services or instructor approval.

**Textbook(s):** Jones, Maurice A. *Fire Protection Systems 3 ed.* Jones and Bartlett Learning

**Software / Hardware:**

An electronic textbook is available with added learning resources available from the publisher of the text book. The student must have access to a computer with applicable hardware, software and internet access the online learning management system (Canvas)

**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 through effective communication skills
- 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 70 % of the total points for the course and meet all of the following course requirements.

1. The student must successfully complete the course with an average of 70% or above on the combined learning outcomes.
2. Each student is expected to attend classes regularly; excessive unexcused absences constitute grounds for suspension (refer to the student handbook for attendance policies).
3. Each student must have access to a reliable Internet connection to complete online discussion boards, course assignments, quizzes and tests.

**Course Grading Scale:**

90-100=	A
80-89=	B
70-79=	C
60-69=	D
0-59=	F

**Attendance Policy:**

The college attendance policy is available at  
<http://www.bpcc.edu/catalog/current/academicpolicies.html>

**Course Fees:**

This course is accompanied with an additional non-refundable fee for supplemental materials, laboratory supplies, software licenses, certification exams, and/or clinical fees.

**Non-Discrimination Statement**

Bossier Parish Community College does not discriminate on the basis of race, color, national origin, gender, age, religion, qualified disability, marital status, veteran's status, or sexual orientation in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of its operations. Bossier Parish Community College does not discriminate in its hiring or employment practices.

**COORDINATOR FOR SECTION 504 AND ADA**

Angie Cao, Student and Disability Services Specialist  
Disability Services, F254, 6220 East Texas Street, Bossier City, LA 71111  
318-678-6511  
[acao@bpcc.edu](mailto:acao@bpcc.edu)  
Hours: 8:00 a.m.-4:30 p.m. Monday - Friday, excluding holidays and weekends.

**Equity/Compliance Coordinator**

Teri Bashara, Director of Human Resources

Human Resources Office, A-105

6220 East Texas Street

Bossier City, LA 71111

Phone: 318-678-6056

Hours: 8:00 a.m.-4:30 p.m. Monday - Friday, excluding holidays and weekends.

Reviewed 5/22 Bevan