

SPRINGFIELD TECHNICAL COMMUNITY COLLEGE

ACADEMIC AFFAIRS

Course Number: FST-130 Class/Lect. Hours: 3 Lab Hours: _____ Credits: 3 Dept.: Fire Protection and Safety Technology
Course Title: Fire Protection Systems Semester: Spring Year: 2020

Course Description, Prerequisite, Corequisite:

The detection and extinguishing systems of both automatic and manual types are studied, including sprinkler and standpipe systems, inert gases, foam and dry chemicals, temperature and smoke responsive devices, and alarm, and signaling systems. Demonstration will illustrate and supplement the class work.

OBJECTIVES/COMPETENCIES

Course Objectives	Competencies
<ol style="list-style-type: none">1. Identify and describe various types and uses of fire protection systems2. Describe the basic elements of a public water supply system as it relates to fire protection	<ol style="list-style-type: none">a. Identify the different types, uses, and benefits of fire protection systems.b. Explain the operation and appropriate application for the different types of portable fire protection systemsc. Summarize the basic elements of a public water supply system as it relates to fire protection systemsd. Identify the different types and components of sprinkler, standpipe, and foam systemse. Compare the basic components and detectors in a fire alarm systemf. Describe the hazards of smoke, and list the four factors that can influence smoke movement in a building