



Pennsylvania State Fire Academy

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Minimum Standard for Accreditation (MSA)

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Course Title: Automatic Detection and Suppression System (AUTO)

Length of Course: 8 Hours

Lecture/Lab Breakdown: 8/0

Prerequisites: Fire Service Personnel (except those whose duties are strictly inspection) must complete ELIS

Referenced Texts: Latest edition of NFPA *Fire Protection Handbook*; others at instructors option.

Course Goal: To develop within each student the understanding of the basic operation of fire alarm systems and fix fire protection system.

Description of Course: This course is designed to give the fire officer, fire prevention official, and code enforcement official a basic understanding of the design and operation of fire alarm and fix fire protection system.

Description of Methodology to be used: (Brief) A lecture with student activities will provide a combine experience to understand the operation of fire alarm and fix fire protection systems.

Student Equipment/Supply Needs: Notebook suitable for use in the field; pen/pencil; hard hat and eye protection

Equipment/Audiovisual/Supply requirements: Overhead, Slide Projector, VCR and Flip Chart. Classroom with adequate seating.

COURSE OUTLINE

<u>Time</u>	<u>Content</u>
4:00	Fire Alarm Systems Operations
4:00	Fix Fire Protection System Operation CO ₂ System, Halon, Dry Chemical, and Wet Chemical)

Competency Evaluation Mechanism (Brief description-attach copy): Assessment of student by direct questioning and observation of class activity.

Course Objectives (specific):

1. To develop within each student the basic understanding of the operation of a fire alarm system.
2. To develop within each student the basic understanding of the operation of the different types of fixed fire protection systems

Questions/Comments: Contact the Curriculum Specialist