



# Pennsylvania State Fire Academy

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## Minimum Standard for Accreditation (MSA)

Revised January 1996

**Course Title:** General Fire Service Rescue (FRES)

**Length of Course:** 30 Hours

**Lecture/Lab Breakdown:** 9/21

**Prerequisites:** IST, EBM

**Referenced Texts:** Fire Service Rescue Practices, 5th edition IFSTA; Fire Service Ground Ladder Practices, 8th edition IFSTA; Self-Contained Breathing Apparatus, 2nd edition IFSTA; Fire Department Aerial Apparatus, 1st edition IFSTA.

**Course Goal:** This course of instruction is designed to provide the student with a working knowledge of rescue procedures as utilized on the fire ground. Its purpose is to provide alternative methods of patient location and removal under the adverse conditions of fire. In the process of providing general knowledge it builds a solid foundation of rope and ladder expertise along with providing intensive instruction of proper fire ground search and rescue.

**Description of Course:** This course endeavors to teach the basics of fire ground interior search and rescue, to identify methods of locating and transferring patients to a safe environment. It will do this by providing instruction in the use of SCBA, rope, ground and aerial ladders, and some technical rope rescue hardware. The program will provide information and instruction to utilize these tools to educate the prospective rescuer.

**Description of Methodology to be used: (Brief)** Although there are sessions geared to the use of lecture and Audio/Visual materials to inform, this course depends upon the solid hands-on teaching method of demonstration and practice. Only by continual practice and repetition will the student become proficient in this subject.

**Student Equipment/Supply Needs:** Full bunker gear, including S.C.B.A.; length of practice rope; notebook and pen/pencil.

**Equipment/Audiovisual/Supply requirements:** Lecture area for registration and demonstration; Slide projector & screen with Interior Search & Rescue program; TV and VCR for use with Firehouse video: "Search & Rescue"; A fully equipped pumper; A fully equipped aerial ladder; Rope in sufficient quantity to meet building needs for rescue; Minimum 2-1/2 story structure for interior/exterior rescue exercises; Cascade system for practical SCBA operations; smoke generator and supplies.

continued

MINIMUM STANDARDS FOR ACCREDITATION

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<b>COURSE OUTLINE</b>		
<u>Time</u>	<u>Content</u>	<u>Notes</u>
3:00	Session 1	Introduction to Fire Department Rescue Practices
3:00	Session 2	Basic Ladder Practices, Carries, Raises, Rescue Procedures
3:00	Session 3	Theory of Interior Search & Rescue
3:00	Session 4	Knot Practices
3:00	Session 5	Combining Ladder & Rope Rescue Procedures
3:00	Session 6	Interior Search & Rescue Operations
3:00	Session 7	Utilizing Aerial Apparatus in Rescue Operations
3:00	Session 8	Basic Rappel & Self Rescue Practice
3:00	Session 9	Rappel Operations
3:00	Session 10	Combined Operations Drills

**Competency Evaluation Mechanism:** A 50 question written test will be given prior to beginning the tenth session practical operation. Also, instructor evaluation of student's practical skill retention will be a factor of successful completion.

**Course Objectives:** When a student has successfully completed this course of study he/she will:

1. be able to prioritize rescue procedures in the normal course of firefighting operations.
2. be able to identify the proper rope to utilize in rescue work; properly tie appropriate knots and identify and use proper hardware with rope.
3. competently utilize ladders as applied to rescue operations.
4. be familiar with S.C.B.A. and its use to effectively and efficiently search and perform rescue in a smoke-charged atmosphere.
5. know how an aerial apparatus can be put to use in rescue operations.
6. be familiar with rappel practices, able to affect a self-rescue and be familiar with the procedures utilized to perform a one-man rescue of a victim suspended in a vertical problem.

**Questions/Comments: Rita Wessel, Curriculum Specialist: Extension 106  
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