



Treasure Coast Medical & Fire Institute
4172 Okeechobee Rd. • Ft. Pierce, FL • 34947
772.672.4251

Fire Science Program Course Descriptions:

FFP 2120 Building Construction for the Fire Service

This course will provide the student with a basic understanding of building design and construction methods and materials, which will aid in decision making processes related to fire prevention and fire control. Students will gain an understanding of construction principles and practices related to fire loads and behavior to make more effective, safer, and timely decisions to protect people and property from potential and actual fires.

This course is required for certification for Fire Officer I and Firesafety Inspector I

FFP 2720 Company Officer

This course is designed to help instruct and teach the student the roles and responsibilities of a company officer. This course will enhance the student's abilities through various areas of knowledge as well as solving the varied problems and situations they will be required to manage effectively in today's ever-changing fire service. The curriculum includes a review of fire department organization and administration, management theory, leadership, communications, motivation, and group dynamics.

This course is required for certification for Fire Officer I

FFP 1740 Fire Service Course Delivery

The curriculum draws from many recognized authorities in exploring the methods and mechanics of imparting information and adult learning principles. The course emphasizes techniques in a wide variety of teaching situations, as well as devices for specific training areas. The course will also stress the importance of measuring teaching effectiveness, and the use of media and visual aids.

This course is required for certification for Fire Officer I and Fire Instructor I



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FFP 1810 Firefighter Tactics and Strategies I

This course will provide students with a basic understanding of factors involved in coping with a fire emergency and determining the best use of available resources in protecting lives and property. The course emphasizes the changing nature of an emergency and the ways in which the fire officer can evaluate the effectiveness of their proposed incident action plan.

Prerequisite(s): NFA IS700 must be completed before attending the course. It can be taken online through FEMA/EMI.

[HTTPS://TRAINING.FEMA.GOV/EMIWEB/IS/IS700b.ASP](https://training.fema.gov/emweb/is/is700b.asp)

This course is required for certification for Fire Officer I

FFP 2741 Fire Service Course Design

The curriculum draws from many recognized authorities in exploring the methods and mechanics of imparting information and adult learning principles. The course emphasizes techniques which have wide application in teach situations, as well as devices for specific training areas. The course also stresses measuring teaching effectiveness, and the use of media and visual aids.

Fire Service Course Delivery Covers Chapters 11 through 15 of the Fire and Emergency Services Instructor book. 9th Edition.

Recommended Book: IFSTA Fire and Emergency Services Instructor, 9th Edition.

ISBN: 978-0-87939-696-1, IFSTA Item #: 36342

Prerequisite(s): None

Continuing Educations Units (CEU's): 45 hours towards Fire Safety Inspector I, Instructor I, II, III



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Pre-Course Assignment: None

Required Materials: Computer and Internet access, USB portable storage device (thumb drive), and the recommended textbook.

This course is required for certification for Fire Officer II and Fire Instructor II

FFP 2811 Firefighter Tactics and Strategies II

This course provides an in-depth study of private fire protection and detection systems. Such systems include sprinkler and standpipe systems, chemical extinguishing systems, and fire detection systems and its devices. Each system is discussed as to its need, construction, preventative maintenance, and individual uses.

Recommended Book: IFSTA Fire Protection, Detection, and Suppression Systems (5th Edition)

ISBN #978-0-87939-599-5

Prerequisite(s): None

Continuing Educations Units (CEU's): 45 hours towards Fire Code Administrator, Fire Safety Inspector I, Instructor I, II, and III

FFP 1505 Fire Prevention Practices

The purpose of this course is to place emphasis on fire prevention through inspection, code enforcement, the use of model building and fire prevention codes, including detailed information on the legal, economic, and political aspects of the fire inspection process.

Recommended Book: IFSTA Fire Inspection and Code Enforcement (8th Edition)

ISBN #978-0-87939-605-3



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Prerequisite(s): None

Continuing Educations Units (CEU's): 45 hours towards Fire Code Administrator, Fire Safety Inspector I, Instructor I, II, and III

FFP 1540 Private Fire Protection Systems I

This course provides an in-depth study of private fire protection and detection systems. Such systems include sprinkler and standpipe systems, chemical extinguishing systems, and fire detection systems and its devices. Each system is discussed as to its need, construction, preventative maintenance, and individual uses.

Recommended Book: IFSTA Fire Protection, Detection, and Suppression Systems (5th Edition)

ISBN #978-0-87939-599-5

Prerequisite(s): None

Continuing Educations Units (CEU's): 45 hours towards Fire Code Administrator, Fire Safety Inspector I, Instructor I, II, and III

ATPC 16701 Florida Training Manager

Upon successful completion, students will demonstrate competence in the knowledge and ability to develop comprehensive training curricula and programs to be used by single or multiple organizations; conduct facility and organization needs analysis; design and manage record keeping and scheduling systems; and develop schedules, training goals, and implementation strategies.

Students will also demonstrate familiarity with the FCDICE (the Bureau of Fire Standards and Training's electronic data system) with emphasis on maintaining individual profiles; maintaining provider profiles; responsibilities of providers; responsibilities of students; course approval process; instructor approval process;



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class offering approval process; roster entry / requirements; course equivalency; instructor ethics and post course requirements.

The above will be accomplished in compliance with Florida State Statute (F.S.) and Florida Administrative Code (F.A.C.) related to firefighting, fire prevention and arson investigation

Class certification requirement for: Instructor III

Applicable CEU's: Instructor I, II, III

Pre-Requisites: FFP 1740 Fire service Course Delivery and FFP 2741 Fire Service Course Design

FFP 1510 Codes and Standards

The purpose of this course is to familiarize students and/or current inspectors with the Florida Fire Prevention Code. Topics covered will include the Florida Amended NFPA 101 and NFPA 1, as well as FSS 633 and FAC 69A. Students will learn how to research the codes and apply them to inspection activities.

*Textbook Recommended

FLA Fire Prevention Code book – 8th Edition with tab

Applicable CEU's: Inspector I Instructor I, II, III

Pre-Requisites: None

FFP 2521 Construction Documents and Plans Review

This curriculum is geared towards teaching the student how to assimilate information contained in working, drawing, and specifications as they relate to the fire inspector. The curriculum includes how to interpret conventional graphic communications. Accepted standards and conventions are introduced. Symbols, abbreviations,



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principles of technical projection, as well as a review of geometry are included. Related worksheets are used to allow for applied experience of finding and interpreting information from authentic drawings.

Class certification requirement for: Fire Inspector I

Applicable CEU's: Fire Code Administrator, Inspector I, Instructor I, II, III

Pre-Requisites: None

Textbook: (Not Included)

Required:

- Plans Examiner For the Fire & Emergency Services, 2nd Edition
- Architectural Ruler Needed

IFSTA ISBN# 978-0879396084

State of Florida Exam Review Courses:

Fire Officer I Exam Review

Fire Officer II Exam Review

Fire Instructor I Exam Review

Fire Instructor II Exam Review

Fire Instructor III Exam Review

Fire Inspector I Exam Review



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