

Course Syllabus

Associate Degree in Fire Science

HEALTH CAREER INSTITUTE

| [Course Info](#) | [Resources](#) | [Assessments](#) | [Honesty](#) | [Course Evaluation](#) |

Course Information

Course

Course Number/Section

Course Title Associate Degree in Fire Science

Term and Dates beginning and end of each semester or course- Open Registration

Professor Contact Information

Advisors Esther Coine, Tina Palermo

Office Phone (561) 586-0121,

Email Address

Office Location 1764 North Congress Ave West Palm Beach Florida 33409

Online Office Hours By appointment or walk-in

Other Information

Course Pre-requisites, Co-requisites, and/or Other Restrictions

School Admission criteria

- 18 Years of Age
- High School Diploma, GED or equivalent
- Provide a valid drivers license or photo Identification
- Complete and sign a program application and enrollment agreement

Course Description

The Fire Science Program is offered for Certified Fire Fighters who are seeking career advancement. This program will provide the training and courses required for certification as Fire Officer I, Fire Officer II, and Fire Inspector and will prepare the graduate for career advancement in a variety of technical and supervisory positions within the fire service. All fire science courses are approved by the Florida State Fire College. Prospective students are encouraged to consult with the Academic Advisor prior to enrolling as there are special requirements. These courses in conjunction with general education classes and electives culminate to a potential AS in Fire Science will enable the firefighter to further his/her career as well as serve the community in a higher capacity. Upon successful completion of all requirements an Associates of Science in Fire Science is granted. Graduates with an Associates of Science degree now have a strong educational base on which to build. Students are encouraged to apply these credits towards a BS degree and continue their education at a four year institution.

Course Objectives

The goal of Health Career Institute's Associate of Science In Fire Science is to promote the foundation of leadership and administration skills required in the Fire Service. To develop and promote these competencies to serve in new and advanced career positions in the Fire Service in the State of Florida. Through these career advancements the student will be able to collaborate and consult with agencies and other organizations that are committed to the community's well being.

The student will:

- Have knowledge of hazards & related safety practices applicable to fire science technology.
- Successfully perform tasks related to fire protection prevention & administration.
- Demonstrate an understanding of personal & work characteristics that promote effective job performance.
- Use mathematical data and reasoning skills as they relate to the fire service.

Graduation Requirements

The AS in FS Student must successfully complete all requirements of the program, with a grade of 'C' or higher, in each of the following:

- 36 Required core course credits
- 15 General Education course credits
- 9 Elective credits

Required Textbooks and Materials

Individual programs have specific books.

Suggested Course Materials

Textbooks and some other bookstore materials can be ordered online through online ordering sites. Required books not provided in the course cost are also available in stock at Health Career Institute Suite 405.

Course Policies

Class Attendance

School General Attendance Policy

The school must be able to ensure to potential employers that a student will be a reliable employee. Therefore, punctual attendance is required at all classes, training sessions and externships. Attendance is an absolutely crucial part of the training program and a requirement for graduation. Attendance is taken by instructors at every class for the entire time the class meets. Students will not be excused from part of a class to attend to personal business. The only excused absences are for illness and or emergency. Health Career Institute recognizes that there are many times when a student cannot attend class, or arrives late because of unusual circumstances. The attendance policies have been formulated to allow for those circumstances, while at the same time ensuring that each student attends class a sufficient amount of time to acceptably master the subject matter and to meet the minimum criteria for National Standard curriculum. Makeup work is given at the discretion of the Instructor.

Class Participation in Distance Learning Classes

Students are required to login regularly to the online class site. The minimum amount of log-ins/attendance is two per week. The instructor will use the tracking feature in WebCT to monitor student activity. Students are also required to participate in all class activities such as discussion forums activities, chat or conference sessions and group projects.

Virtual Classroom Citizenship

The same guidelines that apply to traditional classes should be observed in the virtual classroom environment. Please use proper netiquette when interacting with class members and the professor.

Policy on Server Unavailability or Other Technical Difficulties

Health Career Institute is committed to providing a reliable online course system to all users. However, in the event of any unexpected server outage or any unusual technical difficulty which prevents students from completing a time sensitive assessment activity, the instructor will extend the time windows and provide an appropriate accommodation. The instructor and HCI Staff members will respond to student's request at the earliest possible time during the next working day.

Student Resources

Access to school resources are available to students.

LIRN Library: All students will need a Student-ID number to access all of the library's electronic resources (journal articles, etc) from off campus. For more information on library resources go to www.hci.edu in the student service section under library resources.

Student Assessments

Grading Information Weights

Homework Assignments	25	%
Forum participation	15	%
Exams	15	%
Final Project	20	%
Final Exam	25	%
		%
Total	100	100%

Grading criteria

Score	Letter Equivalent	GPA Equivalent
90-100	A	4
80-89	B	3
70-79	C	2
60-69	D	1
0-50	F	0

Grading Policy (see catalog for specific grading policy per program)

Accessing Grades

Students can check their grades by clicking "My Grades" under Course Tools on the www.hci.edu website after the grade for each assessment task is released.

This will be released as the program becomes available to the students on-line.

Assignments

Assignments are programmatic

Group Projects Externships etc

Groups will be assigned at the beginning of the class. The instructor may also use a group sign-up sheet to form groups for group assignments or projects.

Participation/Discussions-

All students are required to participate where the program dictates participation.

Final Examination

All final exams are cumulative.

Proctored Final Exam Information This is mainly for on-line classes for fire science. This course requires a proctored final examination. An on-campus class exam session is scheduled by the student by making an appointment. Time and room information will be then given to the student.

Course Evaluations

As required every student must complete an evaluation for each enrolled course at the end of the semester or course. These will be kept confidential.

School Policies**Student Conduct & Discipline**

Health Career Institute have rules and regulations for the orderly and efficient conduct of the school. It is the responsibility of each student to be knowledgeable about the rules and regulations which govern student conduct and activities. General information on student conduct and discipline is contained in the HCI catalog which is provided to all registered students and available on www.hci.edu website.

Incomplete Grade Policy

As per school policy, incomplete grades will be granted only for work unavoidably missed at the semester's end and only if 70% of the course work has been completed. An incomplete grade must be resolved within 14 days from the final course date. If the required work to complete the course and to remove the incomplete grade is not submitted by the specified deadline, the incomplete grade is changed automatically to a grade of **F**.

AREAS OF STUDY

REQUIRED/CORE COURSES

36 Credits

FFP 1505.....	Fire Prevention Practices
FFP 1540.....	Private Fire Protection Systems I
FFP 1740.....	Fire Service Course Delivery
FFP 2120.....	Building Construction For The Fire Service
FFP 2720.....	Company Officer
FFP 1510.....	Fire Codes & Standards
FFP 1810.....	Fire Fighting Tactics & Strategy I
FFP 2811.....	Fire Fighting Tactics & Strategy II
FFP 2610.....	Fire Investigation Origin & Cause
FFP 2521.....	Construction Documents & Plans Review
FFP 2741.....	Fire Service Course Design
CGS 110.....	Microcomputer Applications

GENERAL EDUCATION COURSES

15 Credits

ENC 1101.....	College Composition I
ENC 1102.....	English Composition II OR SPC101
MGF 1106.....	Liberal Arts Math

In Addition choose Two(2) Of The following:

PSY 2010..... General Psychology

AMH 2010..... History of the USA

OR Any Course That Meets College Level Transferability Requirements

ELECTIVES

9 Credits

FFP 1824.....	I-200 Basic ICS
FFP 1825.....	I-300 Intermediate ICS
ENC 1210.....	Applied Communications or Technical Writing
FFP 1832.....	Emergency Response To Terrorism Basic Concepts
FFP 2700.....	Ethical & Legal Issues For The Fire Service
FFP 1832.....	ERT Basic Concepts
FFP 2780.....	Fire Department Administration
FFP 1301.....	Fire Hydraulics
FFP 1302.....	Fire Apparatus & Equipment
FFP 2111.....	Fire Chemistry
FFP 2604.....	Fire Investigation & Arson
FFP 2401.....	Hazardous Materials I (For Emergency Operations)
FFP 2402.....	Hazardous Materials II
FFP 2423.....	Hazardous Materials III
FFP 2630.....	Latent Investigation
FFP-2541.....	Private Fire Protection Systems II
FFP 2706.....	Public Information Officer

.....**TOTAL: 60 Credits**

FIRE SCIENCE COURSE DESCRIPTIONS

FFP 1505 Fire Prevention Practices

3 Credits

Fundamental information regarding the history and philosophy of fire prevention is provided in this course. Information including but not limited to organization and operation of a fire prevention bureau, the use of fire codes, identification and correction of fire hazards, the relationships of fire prevention with built in fire protection systems, fire investigation and fire life safety education make up this course. *(Part of Fire Inspector I, Fire Officer I, and Special Fire Safety Inspector)*

FFP 1540 Private Fire Protection Systems I

3 Credits

This course provides information relating to design features and the operation of fire alarm systems, special hazard, fire suppression systems, water supply for fire protection and portable fire extinguishers.

Prerequisite for: FFP2541 *(Part of Fire Inspector I, Fire Officer I, and Fire Investigator I)*

FFP 1740 Fire Service Course Delivery

3 Credits

This course explores the methods and means of adult learning principles and the imparting of information therein. The course emphasizes techniques applicable in a myriad of teaching situations as well as measuring the effectiveness of the utilization of these techniques.

Prerequisite for: FFP2740 *(Part of Fire Officer I, Fire Instructor I & II)*

FFP 1510 Codes and Standards

3 Credits

This course is designed to provide the student with a fundamental knowledge of the role of code enforcement in a comprehensive fire program and will familiarize the student with the five basic units of NFPA 101. *(Part of Fire Inspector I, and Special Fire Safety Inspector)*

FFP 2741 Fire Service Course Design

3 Credits

This course stresses the principles of effective curriculum design with concentration on the principles of adult learning. It emphasizes, amongst other things, the development of training objectives, opening exercises, effective lectures designing training activities planning and on the job applications.

Prerequisite: FFP1740 *(Part of Fire Instructor II & III, and Fire Officer II)*

FFP 2120 Building Construction for the Fire Service

3 Credits

The focus of the course is on firefighter safety. This course will provide information that relates to fire and life safety. Areas covered are the elements of construction and design of structures which are key components when inspecting structures, planning operations and operating at emergencies. *(Part of Fire Inspector I, Fire Investigator I, and Fire Officer I)*

FFP 2720 Company Officer

3 Credits

In this course the student is introduced to the organization and management of a fire department and the relationship of government agencies to the fire service. Emphasis is on fire service leadership from the company officers perspective. *(Part of Fire Officer I)*

CGS 110 Microcomputer Applications

3 Credits

This course is designed to introduce the student to the concepts, principles, and applications of microcomputers as they apply to the home, business, and school. Students learn about several common software packages available for business applications. Internet access is integrated in every application package. An overview of Management Information System is discussed.

FFP 1810 Fire Fighting Tactics & Strategy I

3 Credits

This course provides an in depth analysis of the principles of fire control through the utilization of personnel, equipment and extinguishing agents on the fire ground

Prerequisite for: FFP2811 (*Part of Fire Officer I*)

FFP 2811 Fire Fighting Tactics & Strategy II

3 Credits

This course is designed with emphasis on company operations, logistics strategy and use of mutual aid and conflagration control. The course is intended for officers who may be in command of fires and or other emergencies that involve coordination with large numbers of staff and or equipment.

Prerequisite: FFP1810 (*Part of Fire Officer I*)

FFP 2521 Construction Documents & Plans Review

3 Credits

This course provides for the application of fire codes and standards in developing an understanding of a buildings fire protection feature including the design of fire alarm systems, water based fire suppression systems, water supply for fire protection and egress arrangements through evaluation of 2D drawings and schematics. (*Part of Fire Inspector I*)

FFP 2610 Fire Investigation Origin & Cause

3 Credits

This course is designed to provide the student with the fundamental technical knowledge needed for proper fire scene interpretations, including recognizing and conducting origin and cause, preservation of evidence and documentation, scene security motives of the fire starter and types of fire causes.

(*Part of Fire Investigator I, Fire Inspector II, and Fire Officer II*)