

# FIRE SCIENCE TECHNOLOGY

## Associate of Science Degree

### Program Description

The Associate of Science in Fire Science Technology program is designed for individuals interested in a career in the fire service field and provides experienced firefighters with the opportunity to enhance their job skills. This program not only builds a foundation of the necessary skills for employment but also provides advanced skills in areas such as new technologies, emergency scene operations, and leadership. This is a comprehensive degree program which broadens the students' knowledge base and teaches "real world" skills in order for first responders to meet the demands of the public not only today but in the future.

### Program Outcomes

Upon the successful completion of the program, students will be able to:

1. Explain fire dynamics, prevention, and fire loss.
2. Examine strategies, tactics and theories used to safely and efficiently resolve emergencies.
3. Implement fire protection strategies and practices to realistic scenarios.
4. Develop leadership skills to safely lead emergency personnel during manmade and natural disasters.
5. Apply theories of prevention to develop a safe community

### Additional Information

1. Indicates course requires the completion of a prerequisite.
2. See page 99 for list of Humanities Electives.

Note: All classes are offered in the fall and the spring unless otherwise designated:

F=Class is only offered in the Fall  
S=Class is only offered in the Spring

General Education Requirements – see p. 98		Credits
<b>25 credits total</b>		
Computer Science		3 credits
ENG 101 English Composition I		3 credits
ENG 102 English Composition II <sup>1</sup>		3 credits
History/Government		3 credits
IDS 167 First Year Seminar		3 credits
Math		3 credits
CHE 103 Introduction to Forensic Science w/Lab <sup>1</sup>		4 credits
Social Science/Psychology		3 credits

Program Requirements – 36 credits total		Credits
FST 101 Principles of Fire Protection		3 credits
FST 112 Fire Department Equipment and Systems		3 credits
FST 124 Building Construction		3 credits
FST 203 Arson Investigation <sup>1</sup>		3 credits
FST 215 Fire-Ground Hydraulics <sup>1</sup>		3 credits
FST 242 Strategies and Tactics on the Emergency Scene		3 credits
Open Electives		6 credits
Program Electives (see below)		9 credits
Humanities Elective <sup>2</sup>		3 credits

**Total credits required for graduation** **61 credits**

Concentration Electives		Credits
CJS 103 Criminology		3 credits
CJS 105 Criminal Evidence and Investigation		3 credits
CJS 117 Crisis Intervention and Police		3 credits
CJS 121 Criminal Procedures <sup>1</sup>		3 credits
FST 132 Health and Safety for First Responders		3 credits
FST 222 Psychology and Mental Health for the First Responder		3 credits
EMS 101 Emergency Medical Technician Basic		6 credits
HSV 201 Counseling Skills		3 credits
HSV 105 Introduction to Substance Addiction		3 credits
SOC 112 Interpersonal Communication		3 credits

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Semester 1	Credits	Pre-Requisites
FST 101 Principles of Fire Protection	3 credits	
Computer Science	3 credits	
ENG 101 English Composition I	3 credits	
IDS 167 First Year Seminar	3 credits	
Social Science/Psychology	3 credits	
<b>Total</b>	<b>15 credits</b>	

Semester 2	Credits	Pre-requisites
FST 112 Fire Department Equipment and Systems	4 credits	
FST 124 Building Construction	3 credits	
ENG 102 English Composition II	3 credits	ENG 101
Open Elective	3 credits	
Social Science/Psychology	3 credits	
<b>Total</b>	<b>16 credits</b>	

Semester 3	Credits	Pre-requisites
FST 203 Arson Investigation	3 credits	FST 101, FST 112 & FST 124
FST 215 Fire-Ground Hydraulics	3 credits	FST 101 & FST 112
Program Elective	3 credits	
History/Government	3 credits	
CHE 103 Introduction to Forensic Science w/Lab	3 credits	
<b>Total</b>	<b>15 credits</b>	

Semester 4	Credits	Pre-requisites
FST 242 Strategies and Tactics on the Emergency Scene	3 credits	
Humanities Elective	3 credits	
Open Elective	3 credits	
Program Elective	3 credits	
Program Elective	3 credits	
<b>Total</b>	<b>15 credits</b>	

### Semester Path:

Recommended course of study for a full-time student. It is recommended that students speak to an Academic Advisor before registering for courses each semester.

### Student Resources:

#### Academic Advising

617-984-1720

#### Dean's Office of Arts and Sciences & Professional Programs

617-405-5920

#### Dean's Office of Allied Health

617-405-5960

#### Dean's Office of Nursing

617-405-5990

#### Financial Aid Office

617-984-1620

#### Registrar's Office

617-984-1650

#### Student Accessibility and Academic Support Services

617-405-5915