Fire Science Technology

Program: Fire Science Technology
Program Code:
FS
Academic Area:
Science, Technology, Engineering and Mathematics
Type:
Associate in Science
CIP Code:
43.0203

Program Statement

The Fire Science Technology program follows the (FEMA) curriculum based on the National Fire Academy FESHE (Fire and Emergency Services Higher Education) model for professional training and education in fire science. The program is designed to provide education to people seeking careers in fire/emergency service as well as current firefighters seeking incentive benefits or career enhancement in the field.

Program Information

- Students are required to take 20 courses for 60 credits to complete the program. Courses are a combination of fire science and general education.
- Courses are offered online, face to face and in hybrid formats.
- Fire Science classes are taught by experienced faculty who are subject-matter experts. Instructors are experienced fire officers and command personnel in area fire departments.
- Students who hold an associate's degree in fire science may be eligible for bonus points on entry and promotional examinations by fire departments.
- Students can earn Credit for Prior Learning through state certifications in prevention, suppression, leadership and Emergency Medical Technician programs.
- The following electives are recommended for all students: FIR 170 Emergency Care I; FIR 171 Emergency Care II; CRJ 101 Introduction to Criminal Justice; CRJ 221 Juvenile Offenders; CRJ 256 Criminal Investigation.
- The program coordinator is a retired Fire Chief with 34 years of service. He is available to advise all students in the program.

After Bristol

- Graduates serve as local fire chiefs, captains, lieutenants, firefighters, fire inspectors, fire investigators, and insurance inspectors.
- Recent graduates have transferred to baccalaureate programs in Fire Science at Salem State College, Anna Maria College, and Providence College.
- If you plan to transfer to a four-year institution, contact the program coordinator and visit Transfer Services.

Degree Requirements

General Courses

Course #	Title	Credits
COM 104	Fundamentals of Public Speaking	3
CSS 101	College Success Seminar	1
ENG 101	Composition I: College Writing	3
ENG 102	Composition II: Writing about Literature	3
	Two-course History Sequence	6
MTH 111	Technical Mathematics for Fire Science	3
	PSY 101 or SOC 101	3

Elective Courses

Course #	Title	Credits
SCI 116	Science, Technology, and Society: The Chemistry of Hazardous Toxic Materials	4
	Fire Science Information Literacy Elective	0-3

Program Courses

Course #	Title	Credits
FIR 111	Introduction to Fire Protection	3
FIR 113	Fundamentals of Fire Prevention	3
FIR 150	Fire Investigation	3
FIR 157	Leadership and Command	3
FIR 159	Building Construction for Fire Prevention	3
FIR 253	Firefighting Tactics and Strategy	3
FIR 261	Fire Hydraulics	3
FIR 262	Fire & Emergency Safety & Survival	3
FIR 263	Fire Protection Systems and Equipment	3

Program Electives

Course #	Title	Credits
	Fire Science Program Electives	6-8

Recommended Course Sequence - Semester 1

Course #	Title	Credits
CSS 101	College Success Seminar	1
ENG 101	Composition I: College Writing	3
FIR 111	Introduction to Fire Protection	3
FIR 113	Fundamentals of Fire Prevention	3
	HST 111 or HST 113	3
MTH 111	Technical Mathematics for Fire Science	3

Recommended Course Sequence - Semester 2

Course #	Title	Credits
ENG 102	Composition II: Writing about Literature	3
FIR 150	Fire Investigation	3
SCI 116	Science, Technology, and Society: The Chemistry of Hazardous Toxic Materials	4
	HST 112 or HST 114	3
	PSY 101 or SOC 101	3

Recommended Course Sequence - Semester 3

Course #	Title	Credits
COM 104	Fundamentals of Public Speaking	3
FIR 159	Building Construction for Fire Prevention	3
FIR 261	Fire Hydraulics	3
FIR 262	Fire & Emergency Safety & Survival	3
FIR 263	Fire Protection Systems and Equipment	3

Recommended Course Sequence - Semester 4

Course #	Title	Credits
	Fire Science Information Literacy Elective	0-3
FIR 157	Leadership and Command	3
FIR 253	Firefighting Tactics and Strategy	3
	Fire Science Program Electives	6-8
	Total credits:	**60**

Category Descriptions

Two-course History Sequence

Credits: 6

Choose one two-course history sequence.

Course #	Title	Credits
	HST 111 and HST 112	6
	HST 113 and HST 114	6

PSY 101 or SOC 101

Credits: 3

Choose one of the following:

Course #	Title	Credits
PSY 101	General Psychology	3
SOC 101	Principles of Sociology	3

Fire Science Information Literacy Elective

Credits: 0-3

Information Literacy Elective can be waived for students who have successfully completed two online or hybrid courses.

Choose one of the following:

Course #	Title	Credits
CIS 110	Basic Computing Skills	3
CIS 111	Introduction to Business Information Systems	3
CIS 113	Hospitality Management Information Systems	3
CIS 120	Programming: Logic, Design and Implementation	3
CIS 122	Internet Developer	3

Fire Science Program Electives

Credits: 6-8

Choose one of the following: Complete FIR 170 and FIR 171 in sequence or six credits of program electives.

Course #	Title	Credits
	FIR 170 and FIR 171	8
	CRJ and FIR Electives	6