Fire Science Technology

Overview

Certificate

PURPOSE: The certificate in Fire Science Technology is designed to provide a broad-based knowledge of current and future advances in the fire science field. Rapid advances in technology require that personnel in the field keep abreast of the latest changes in technology and equipment.

OCCUPATIONAL OBJECTIVES: Firefighter, Fire Officer, Fire Protection Specialist, Fire/Emergency Instructor, Fire or Building Inspector, Fire Investigator, Rescue Service, Emergency Medical Service, Hazardous Materials Services, Emergency Manager, Occupational or Industrial Safety and Risk Management, and related occupations.

ADMISSION REQUIREMENTS: General college curricular admission

PROGRAM NOTES: This program is designed to provide full transferability to the AAS degree program where more in-depth knowledge in management is emphasized.

There are no physical requirements, such as height, weight, eyesight, and physical dexterity; however, the student should understand that there may be some requirements for employment in fire or rescue service agencies.

COMPUTER COMPETENCY REQUIREMENT: Students in this program will meet the college's computer competency requirement by successfully completing ITE 115. Students can also meet this requirement by passing the college's computer competency exam, administered in the testing centers on each campus, in which case they will receive college credit for ITE 115. Students not passing the computer competency exam may retake the exam only once.

GAINFUL EMPLOYMENT DISCLOSURE INFORMATION: Please see http://www.reynolds.edu/curriculum/gainful-employment-html/ge_info_428.html to access gainful employment disclosure information for this program.

Roadmap

COURSE	TITLE	LEC. HRS.	LAB. HRS.	CRS. CRE.
SDV 100	College Success Skills	1	0	1
ENG 111	College Composition I	3	0	3
FST 100	Principles of Emergency Services	3	0	3
FST 110	Fire Behavior and Combustion	3	0	3
_____[1]	Approved Social/Behavioral Science Elective	3	0	3
_____[1]	Approved Laboratory Science Elective	3	3	4
TOTAL		**16**	**3**	**17**
ENG 115	Technical Writing	3	0	3
FST 112	Hazardous Materials Chemistry	3	0	3
FST 115	Fire Prevention	3	0	3
ITE 115	Introduction to Computer Applications and Concepts	3	0	3
MTH 130[2]	Fundamentals of Reasoning	3	0	3
_____[1]	Approved Social/Behavioral Science Elective	3	0	3
TOTAL		**18**	**0**	**18**
Total Minimum Credits for Certificate in Fire Science				**35**

01.19.18

[1] *A list of approved general education electives (humanities/fine arts, social/behavioral sciences, mathematics, science, and personal wellness) is provided in the General Education section of the catalog under Curriculum Planning and Design.*

[2] *Students planning to attend a four-year institution are recommended to take MTH 154 or 161 in place of MTH 130. Students should check with their transfer institution to determine which mathematics course to take.*