

Fire Science/Fire Fighting

Associate of Applied Science

Program/CIP Code: FRSC.AAS/43.0203

Credits Required: 65

Division: Health Professions

Contact: FRSC@kckcc.edu

The mission of the Fire Science program is to provide a venturous and progressive modern educational experience in all aspects of fire protection and safety, leading to a useful associate degree or specific educational endeavor for all students regardless of gender. The faculty is committed to provide learning experiences which are girded with 21st Century Learning Outcomes, especially targeted at critical thinking, communication, and core competencies. Kansas City Kansas Community College Fire Science program provides all necessary equipment for students to successfully train for and pass the State of Kansas Fire Service certifications.

Hazardous Materials Awareness and Operations (HZMT 120), Firefighter I (FRSC 100), and Firefighter II (FRSC 211) are taught as a Fire Academy three days per week plus one weekend day per month. Students are required to maintain a 70% grade average in their courses in order to take their state certification examinations. Students must be 18 years of age and successfully pass the Interior Firefighting Training provided by the fire science program to qualify to take the State of Kansas Firefighter I certification tests.

Requirements for admission to the program:

- No requirements for admission to the program.
- Contact program for program-specific advising.

College Requirement

Course	Credit Hours
BLUE 0101 Freshman Seminar	1

General Education Requirements

Course	Credit Hours
ENGL 0101 Composition I*	3
ENGL 0102 OR ENGL 0206 Composition II* OR Technical Writing*	3
SPCH 0151 OR SPCH 0201 Public Speaking OR Interpersonal Communication	3
MATH 0104 OR BUSN 0110 Intermediate Algebra** OR Business Math**	3
Humanities Elective (No Performing Arts Accepted)	3
Social Science Elective	3
Natural & Physical Science Requirement	3
Total Hours for General Education Requirements	21

*See course syllabus for prerequisite.

**Math sequence is contingent upon previous high school mathematics background and transfer institution. Students should confer with an advisor to determine correct placement.

Fire Science/Fire Fighting Requirements*

Course		Credit Hours
Fire Academy:		
HZMT 0120	Hazardous Materials Awareness and Operations	3
FRSC 0100	Firefighter I	3
FRSC 0211	Firefighter II	3
FRSC 0101	Fundamentals of Fire Prevention	3
FRSC 0107	Legal Considerations for Fire & Emergency Services	3
FRSC 0111	Firefighting Tactics and Strategies	3
FRSC 0113	Building Construction Fire Service	3
FRSC 0115	Fire Arson Investigation	3
FRSC 0202	Fire Hydraulics	3
EMS Requirement:		
EMTC 0128	Emergency Medical Technician	10
Electives: (6 Hours from the following:)		
HZMT 0215	Hazardous Materials Technician (5)	6
FRSC 0117	Fire Protection Equipment Alarm Systems (3)	
FRSC 0170	Introduction to Homeland Security (5)	
FRSC 0201	Fire Administration I (3)	
FRSC 0203	Fire Administration II (3)	
FRSC 0205	Fire Inspection (3)	
FRSC 0210	Building and Fire Codes (3)	
FRSC 0214	Current Topics and Technology in Fire Science (1)	
FRSC 0225	Arson Intelligence (3)	
FRSC 0230	Fire Service Instructional Methodology (3)	
FRSC 0233	Industrial Fire Protection and Safety (3)	
FRSC 0272	Historical Foundations of the Fire Service (3)	
Total Hours for Fire Science/Fire Fighting Requirements		43
*See course syllabi for Fire Science/Fire Fighting course prerequisites.		

Total Hours for an Associate in Applied Science in Fire Science/Fire-Fighting Degree	65
---	-----------