

Fire Science, AAS

The goal of the Fire Science program at Johnson County Community College is to provide comprehensive education and training, specifically designed to promote the academic and professional development of fire service personnel during their employment and provide education for advancement to company-level officers.

The program serves to provide a higher academic education, technical training, and lifelong learning for members of Johnson County fire-related organizations and those seeking employment in the metro area.

The fire science program at JCCC, in close cooperation with the Johnson County Fire Chiefs Association and the University of Kansas Fire and Rescue Training Institute, has developed a degree for advancement in the fire service.

The program emphasizes general education in addition to technical education and is built around a core of fire science courses carefully selected by the members of the Fire Science Advisory Committee to prepare for your career growth. Technical electives may be pursued through courses available under a continuing cooperative agreement between area fire science programs or through other degree-granting institutions that are accredited by the International Fire Service Accreditation Congress. You may fulfill technical education requirements through the advanced standing credit process.

Note: Mechanisms have been developed to compensate for the effect of students working 24-hour shifts.

For more information, call (913)469-4405.

(Major Code 3210; CIP Code 43.0203)

Fire Science Program web page (<http://www.jccc.edu/academics/credit/fire-science/>)

Associate of Applied Science Degree

Fall Semester

Code	Title	Hours
EMS 132	Emergency Medical Technician*	12
ENGL 121	Composition I*	3
Total Hours		15

Spring Semester

Code	Title	Hours
FIRE 112	Hazardous Materials Awareness and Operations*	3
FIRE 113	Firefighter I*	3
FIRE 114	Firefighter II*	3
FIRE 115	Firefighter Practicum*	3
Humanities Elective ^		3
Total Hours		15

Summer Semester

Code	Title	Hours
Science and/or Math Elective ^		3

Fall Semester

Code	Title	Hours
Program Elective (see below)		3
FIRE 162	Firefighting Tactics*	3
FIRE 220	Fire Management*	3
FIRE 222	Fire Science Law*	3
MATH 120	Business Mathematics* (or higher)	3
Total Hours		15

Spring Semester

Code	Title	Hours
Program Elective (see below)		3
FIRE 136	Fire and Emergency Management*	3
FIRE 152	Codes, Detection and Suppression Systems*	3
FIRE 201	Leadership in the Fire Service*	3
Social and Behavioral and Sciences Elective ^		3
Total Hours		15

Total Program Hours: 63

Program Electives

Code	Title	Hours
FIRE 126	Historical Foundations of the Fire Service*	3
FIRE 127	Building Construction for the Fire Service*	3
FIRE 133	Fire Investigation*	3
FIRE 291	Independent Study*	1-7
FIRE 292	Special Topics:*	1-5

* This course has registration requirements.

^ See all AAS general education electives (<https://catalog.jccc.edu/archives/2024-25/degree requirements/associate-arts/>)