Fire Administration Certificate

The certificate in Fire Administration is offered as a step in the process of receiving an Associate in Applied Science degree in Fire Science.

All courses within the certificate provide knowledge that can be utilized immediately by the firefighter and provide their fire department with a well-rounded employee. The curriculum covers each division of emergency services that will be of immediate use to the organization.

(Major Code 3220; CIP Code 43.0203)

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

Program Learning Outcomes

Johnson County Community College (JCCC) is committed to offering high-quality affordable programs that focus on developing knowledge and skills conducive to life-long learning. Both the General Education Student Learning Outcomes (https://www.jccc.edu/about/leadership-governance/administration/institutional-effectiveness-branch/outcomes-assessment/learning-outcomes.html) and Institutional Learning Outcomes (https://www.jccc.edu/about/leadership-governance/administration/institutional-effectiveness-branch/outcomes-assessment/institutional-learning-outcomes.html) convey JCCC's approach to programmatic outcomes. Additionally, students who successfully complete the Fire Administration Certificate from JCCC will be able to:

- Formulate basic fire ground strategies and tactics to be used during structure fire incidents.
- Assess the effectiveness of strategies and tactics on fire incidents
- Distinguish the different stages and types of fire behavior.
- Compare the five building construction types and how they play a role during structural firefighting.
- Analyze how and why the fire service incorporates safety and health measures.
- Compare and contrast fire detection and suppression systems in various types of buildings.
- Perform safe and effective fire suppression techniques and hazard mitigation utilizing tools and appliances.
- Demonstrate leadership, teamwork and decision making in the management of multiple personnel on emergency scenes.

Certificate Requirements

First Semester

Code	Title	Hours
EMS 132	Emergency Medical Technician*	12
ENGL 121	Composition I* (SGE[010])	3
or ENGL 119	College Composition I with Review* (SGE[010])	
Total Hours		**15**

Second 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
Total Hours		**12**

Third Semester

Code	Title	Hours
FIRE 162	Firefighting Strategies and Tactics*	3
FIRE 220	Fire Management*	3
FIRE 222	Fire Science Law*	3

MATH 120	Business Mathematics* (or higher)	3
Total Hours		**12**

Fourth Semester

Code	Title	Hours
FIRE 136	Fire and Emergency Management*	3
FIRE 152	Codes, Detection and Suppression Systems*	3
FIRE 201	Leadership in the Fire Service*	3
Total Hours		**9**

Total Program Hours: 48

* This course has registration requirements.

Kansas Systemwide General Education (SGE) Key

- English SGE 010
- Communications SGE 020
- Mathematics and Statistics SGE 030
- Natural and Physical Sciences SGE 040
- Social and Behavioral Sciences SGE 050
- Arts and Humanities SGE 060
- Cavalier Credits SGE 070