

# Fire Services Administration (FIRE)

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## Courses

### **FIRE 111 Hazardous Materials Awareness and Operations\* (4 Hours)**

**Prerequisites :** Department approval.

**Corequisites:** FIRE 131 and FIRE 141.

This course prepares the student for the Hazardous Materials certification through Kansas Fire and Rescue Training Institute. The purpose of this course is to develop an emergency response contingency plan to deal with hazardous material or chemical emergencies in compliance with regulations in order to protect human health and the environment as well as to minimize an organization's risk. Students will also implement the various portions of the plan as required.

### **FIRE 126 Historical Foundations of the Fire Service (3 Hours)**

Emphasis is placed on the historical evolution of the fire service as it pertains to the equipment, organizational structures, terminology, customs and traditions. Students will be involved in looking at primary and secondary documents in developing an understanding of the fire service culture. Critical analysis and historical research will be advanced in the curriculum using historical records and artifacts.

### **FIRE 131 Firefighter I\* (5 Hours)**

**Prerequisites :** Department approval.

**Corequisites:** FIRE 111 and FIRE 141.

This course provides an entry level overview of firefighter safety, fire behavior, building construction, protective clothing, equipment, firefighting techniques and rescue procedures. The students receive a solid foundation of classroom and hands-on training to prepare them for the Firefighter I certification through Kansas Fire and Rescue Training Institute.

### **FIRE 133 Fire Investigation (3 Hours)**

An orientation and introduction to fire origin and cause, laws of arson, fire and police investigation, and a technical analysis of arson and fraud. Emphasis is placed on the collection and preservation of evidence, photography, diagrams, interviewing, and preparing for court.

### **FIRE 136 Fire and Emergency Management (3 Hours)**

Managing resources is a part of every incident. The ability to manage these resources is crucial in safely and effectively mitigating the incident. Organizations must have a system in place prior to the incident, which will facilitate the management of resources. Federal legislation mandates organizations, which respond to hazardous materials incidents, use an incident management system. This course provides information about incident management systems, as well as pursues issues wherein it needs to be utilized.

### **FIRE 141 Firefighter II\* (3 Hours)**

**Prerequisites :** Department approval.

**Corequisites:** FIRE 111 and FIRE 131.

This course builds on the concepts and skills presented in FIRE 131 Firefighter I course. Students will have the opportunity to expand their understanding of fire ground operations and prevention activities reinforced by realistic exercises in various fire ground operations including: extrication, rescues, water supplies, suppression of combustible materials, emergency communications and responsibilities of the firefighter. A life safety inspection project on commercial and residential properties is an integral component of this course. The students receive a solid foundation of classroom and hands-on training to prepare them for the Firefighter II certification through Kansas Fire and Rescue Training Institute.

### **FIRE 152 Codes/Detection and Suppression Systems (3 Hours)**

This course will provide a basis for students to become familiar with and utilize fire codes that are in use today. It will also provide students with basic knowledge of detection and suppression systems that are an ever increasing part of fire control today.

### **FIRE 162 Firefighting Tactics\* (3 Hours)**

**Prerequisites :** Firefighter Certificate completion and/or Department approval.

Strategy and tactics are essential competencies required to mitigate fires. This course is designed to prepare a fire officer to be able to provide tactics at a structure fire, fully utilizing available resources in a safe and efficient manner.

### **FIRE 201 Leadership in the Fire Service\* (3 Hours)**

**Prerequisites :** Firefighter Certificate completion and/or Department approval.

This is a course that will delve into leadership as defined and utilized in the fire service setting. It will review many types of leaders and the qualities that make them leaders. It will also provide students insight into the type of leaders they may see in the fire service as well as provide them with role models for their use as future fire service leaders.

### **FIRE 220 Fire Management (3 Hours)**

This course will involve the student in learning proper methods of supervision and the duties of a fire department first line manager. It will encompass supervisory techniques as well as various management theories. This course will assist the student in the application of techniques and the practical use of management theories in the role as a fire service manager.

### **FIRE 222 Fire Science Law (3 Hours)**

The student will have the opportunity to explore legal aspects of the fire and emergency services departments. This course discusses OSHA regulations, basic human resources concepts, employee and employer rights, HIPPA regulations from the lens of fire and emergency services administrators. Case studies of legal precedence for fire investigations are used as a method of applying concepts in this course.

**FIRE 291 Independent Study\* (1-7 Hour)**

**Prerequisites :** 2.0 GPA minimum and department approval.

Independent study is a directed, structured learning experience offered as an extension of the regular curriculum. It is intended to allow individual students to broaden their comprehension of the principles of and competencies associated with the discipline or program. Its purpose is to supplement existing courses with individualized, in-depth learning experiences. Such learning experiences may be undertaken independent of the traditional classroom setting, but will be appropriately directed and supervised by regular instructional staff. Total contact hours vary based on the learning experience.