FIRE SCIENCE TECHNOLOGY

If you are interested in a career in the fire service, the Fire Science Technology Program will prepare you for the challenges facing today's emergency responders. In the program you will learn skills related to fire suppression, technical rescue, hazardous materials, emergency medical care, and leadership. This program is beneficial whether you are seeking a career in emergency services (Fire, Rescue, EMS or Emergency Management) or if you are already involved in providing fire, rescue or EMS services in your community. Students may enter the program with or without experience in emergency services. The degree, certificate, and diploma programs that are offered can help you in obtaining employment in various emergency service fields, or if you are already a firefighter, help you get that promotion you have been waiting for. Classes are offered through State Fire/Rescue Training and may be offered in various formats such as: Web courses, hybrid courses, and traditional classroom offerings. For more information regarding this program, contact your local State Fire/Rescue Training Area Office. The AAS Fire Science Technology will offer students additional built-in options for: Fire Chief Diploma, Academic Certificates, and a Fire/Emergency Services Higher Education (FESHE) track that will allow students the option of applying credit toward certain bachelor programs at the university level.

Fire Chief Diploma

This diploma may be awarded after students complete 45-48 credit hours of basic and advanced firefighter courses; fire officer courses; administrative and academic courses; and general education requirements. Students that successfully complete this program of study will possess the basic skills to lead a fire department.

Fire Service Administrator Certificate

Available to students that have completed the advanced firefighting courses and the fire officer courses. Prepares students for entry-level officer or administrative positions in a fire department.

Advanced Firefighter Certificate

Available to students that complete 21 credit hours of technical firefighting courses and will allow students to be prepared for certification testing and employment as a firefighter in a private or public fire department setting.

Basic Firefighter Certificate

Available to students that complete 12 credit hours of basic technical firefighting courses and will allow students to be prepared for entry-level employment as a firefighter and subsequent on-the-job training in either private industry or with a public fire department.

Basic Fire Protection Certificate

This certificate may be awarded after students complete 18 credit hours of study in Fire/Emergency Services Higher Education (FESHE) based courses. These courses focus on the core concepts related to academic fields such as fire protection engineering.

Emergency Medical Technician Certificate

Students in the Emergency Medical Technician program are instructed in the proper care of sick and injured patients. Students are trained to treat victims suffering from traumatic and medical emergencies such as broken bones, puncture wounds, cardiac, and respiratory emergencies, vehicle accidents and more. This course meets requirements set forth by the National Highway Traffic Safety Administration's National Emergency Medical Services Standards for the Emergency Medical Technician. Students that successfully complete the course and its requirements will be awarded an academic certificate for Emergency Medical Technician, and will be eligible to sit for the certification examination as administered by the National Registry of Emergency Medical Technicians.

Emergency Medical Responder Certificate

Students in the Emergency Medical Responder program are instructed in the proper care of sick and injured patients. Students are trained to treat victims suffering from traumatic and medical emergencies such as broken bones, puncture wounds, cardiac, and respiratory emergencies, vehicle accidents and more. Students successfully completing the course and its requirements will be awarded an academic certificate for Emergency Medical Responder, and will be eligible to sit for the certification examination as administered by the National Registry of Emergency Medical Technicians.

Hazardous Materials Technician Certificate

Available to students that complete the Hazardous Materials Technician course which will allow students to be prepared for certification testing and/or initial employment as a responder to Hazardous Materials incidents in private industry or public fire department setting.

Degrees

- Fire Science Technology - AAS (https://catalog.kctcs.edu/programs-of-study/aas/fire-science-technology/fire-science-technology-aas/)

Diplomas

- Fire Chief - Diploma (https://catalog.kctcs.edu/programs-of-study/aas/fire-science-technology/fire-chief-diploma/)

Certificates

- Advanced Firefighter - Certificate (https://catalog.kctcs.edu/programs-of-study/aas/fire-science-technology/advanced-firefighter-certificate/)
- Basic Fire Protection - Certificate (https://catalog.kctcs.edu/programs-of-study/aas/fire-science-technology/basic-fire-protection-certificate/)
- Basic Firefighter - Certificate (https://catalog.kctcs.edu/programs-of-study/aas/fire-science-technology/basic-firefighter-certificate/)
- Emergency Medical Responder - Certificate (https://catalog.kctcs.edu/programs-of-study/aas/fire-science-technology/emergency-medical-responder-certificate/)
- Emergency Medical Technician - Certificate (https://catalog.kctcs.edu/programs-of-study/aas/fire-science-technology/emergency-medical-technician-certificate/)
- Fire Service Administration - Certificate (https://catalog.kctcs.edu/programs-of-study/aas/fire-science-technology/fire-service-administration-certificate/)
- Hazardous Materials Technician - Certificate (https://catalog.kctcs.edu/programs-of-study/aas/fire-science-technology/hazardous-materials-technician-certificate/)