FIRE SCIENCE
Technical Certificate

Program and Career Description:

The Fire Science Certificate at Columbia State is designed to prepare current and future firefighters for careers and advancement in the firefighting profession. Coursework will be delivered in a blend of on-ground, hybrid, and online formats.

The program is designed for those who have little or no experience with the fire service industry in preparation for entry-level positions. The certificate may also allow experienced firefighters to expand learning with credit for knowledge and skills gained through training and certifications.

How long is the program?

The Fire Sciences certificate can be earned in as few as two semesters on a full-time basis or paced part-time for individual students.

What does the program provide?

Outcome based classroom learning combined with practical experiences which prepare students for state credentialing, gainful in-field employment, career satisfaction, and advancement potential.

How is the job market?

The Bureau of Labor Statistics estimates that there will be an increase of 17,400 Firefighter jobs from 2018 to 2028, which is a 5% growth rate.

Check out *www.jobs4tn.gov* website for information about job descriptions, education requirements and abilities, and supply and demand for these careers. For additional information from a national perspective, go to Bureau of Labor Statistics, U. S. Department of Labor on the internet at *www.bls.gov*. Visit the Occupational Outlook Handbook on this website. Salaries are not guaranteed.

www.columbiastate.edu/FireScience

Transfer Options

Courses may be combined with selected courses from another degree/certificate to develop a personal academic plan for the General Technology AAS. Students with a General Technology AAS degree have multiple options for university transfer. Transfer credit is awarded at the discretion of the receiving institution. Students are advised to inquire directly with advisors at the university of choice regarding expectations for transfer.

Requirements for Graduation include:

• Total certificate hours must be at least 27
• earning 25% of total program credits in residence at Columbia State.
• GPA of at least 2.0 in courses requird for the certificate.

For assistance contact:
Health Sciences Division Office, Walter 112 (Columbia)
or
healthsciences@columbiastate.edu
or
931.540.2599 or 931.540.2600

For more information about our graduation rates, the median debt of students who completed the program and other important information, please review *Gainful Employment Disclosures* found on the website at *www.columbiastate.edu/consumer-information* for this certificate.

COLUMBIA STATE COMMUNITY COLLEGE

Student ID:_____

Student Name:_____

Adviser Name:_____

Catalog: 2020-2021 Catalog and Student Handbook

Program: Fire Science Technical Certificate

Minimum Credits Required:_____

Fire Science Technical Certificate

The Fire Science Certificate at Columbia State is designed to prepare current and future firefighters for careers and advancement in the firefighting profession. Coursework will be delivered in a blend of on-ground, hybrid, and online formats. The program is designed for those who have little or no experience with the fire service industry in preparation for entry-level positions. The certificate may also allow experienced firefighters to expand learning with credit for knowledge and skills gained through training and certifications.

Required Courses - Total Credit Hours: 30

Students must complete an application for admission to the College, satisfy the rotation requirements and attend any required information/registration sessions before they can register for FIRE courses.

The Following courses are required - Semester Credit Hours 18

Course Name	Credits:	Term Taken	Grade	Gen Ed
FIRE 1310 - Principles of Emergency Services	Credits: 3			
FIRE 1320 - Principles of Fire & Emergency Services Safety & Survival	Credits: 3			
FIRE 1330 - Fire Prevention	Credits: 3			
FIRE 2310 - Fire Protection Systems	Credits: 3			
FIRE 2320 - Building Construction for Fire Protection	Credits: 3			
FIRE 2330 - Fire Behavior and Combustion	Credits: 3			

Plus four (4) courses - Credit Hours 12

Choose from the list below, depending upon course availability.

Course Name	Credits:	Term Taken	Grade	Gen Ed
FIRE 1315 - Rescuer Awareness	Credits: 3			
FIRE 1325 - Fire Investigation I	Credits: 3			
FIRE 2315 - Introduction to Homeland Security & Disaster Management	Credits: 3			
FIRE 2325 - Fire Protection Hydraulics and Water Supply	Credits: 3			
FIRE 2335 - Strategy & Tactics	Credits: 3			
FIRE 2340 - Leadership Development	Credits: 3			
FIRE 2350 - Principles of Fire & Emergency Services Administration	Credits: 3			
FIRE 2355 - Hazardous Materials I	Credits: 3			
FIRE 2360 - Occupational Safety & Health for Emergency Services	Credits: 3			
FIRE 2365 - Hazardous Materials II	Credits: 3			
FIRE 2370 - Public Fire & Life Safety Education	Credits: 3			
FIRE 2375 - Hazardous Materials Chemistry	Credits: 3			
FIRE 2380 - Legal Aspects of Emergency Services	Credits: 3			
FIRE 2385 - Fire Investigation II	Credits: 3			
FIRE 2390 - Emergency Services Capstone Project	Credits: 3			
FIRE 2399 - Special Topics in Fire Science **OR** FIRE 2299 Special Topics in Fire Science **OR** FIRE 2199 Special Topics in Fire Science	Credits: 3			

Note(s):

Requirements for Graduation include:

1. Total certificate hours must be 30
2. earn 25% of total program credits in residence at Columbia State
3. earn a GPA of at least 2.0 in program courses
4. earn a cumulative GPA of 2.0 or higher

Students and advisors should run a degree audit for myChargerNet each semester to confirm classes are applicable to the program of study.

For more information about our graduation rates, the median debt of students who completed the program and other important information, please review Gainful Employment Disclosures for this certificate.

For more information contact:
Health Sciences Division office at healthsciences@columbiastate.edu
931.540.2599 or 931.540.2600
Detailed information is also available via *www.columbiastate.edu/FireScience*