

Fire Science Technology (FST)

Associate of Applied Science



Is Fire Science Technology Right For You?

Why a Fire Science Technology Degree?

The mission of the Fire Science Technology degree program is to provide students with the essential knowledge and skills required to succeed in the fields of fire protection, emergency management, firefighting, and wildland firefighting.

Our goal is to:

- Equip students with the fundamental knowledge required to work effectively in entry-level positions in the fire service industry.
- To provide program curriculum, both instructive and practical, that encompasses basic firefighting knowledge and skills.
- Incorporate the needs of area fire departments by providing advanced classes to enhance current firefighters' knowledge and skills.

Upon completion of the Fire Science Technology Associate of Applied Science Degree, students should be able to:

- Formulate basic fire ground strategies and tactics to be used during structure 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.

Sign up Today!

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Career Opportunities

A two-year Associate of Applied Science (AAS) with a Fire Science Technology designation is a terminal degree designed for those seeking entry-level Firefighter positions, or for those already working in the Firefighting profession.

A Fire Science Degree from Pikes Peak State College will prepare you to work in a number of fire-related disciplines, to include:

- Firefighter Apprenticeship
- Driver-Engineer
- Firefighter Paramedic
- Fire Officer
- Paramedicine
- Hazardous Materials
- Technical Rescue



Program Specifics

- The Fire Science Technology program is designed to prepare individuals with little or no experience in the firefighting profession for entry-level positions in the fire service.
- The program will also benefit current firefighters by continuing their education in the fire sciences, preparing them for promotional opportunities.
- This program is accredited through FESHE (Fire and Emergency Services Higher Education) via the NFA (National Fire Academy).
- Internship opportunities exist with area Fire Departments.
- Prior Learning Assessment credits can be applied for current certifications and experience.
- This degree can be accomplished 100% online.

Faculty Profile

- All Fire Science instructors have real-world experience working in the Fire Service industry
- Active firefighters for the Colorado Springs Fire Department and other Colorado Fire Departments
- Experience fighting the Waldo Canyon & Black Forest fires
- Active Firefighters, Technical Rescue Specialists, Paramedics, Drivers/Engineers, Company Officers, and Chief Officers

Associate of Applied Science (AAS) - Fire Science Technology

Semester 1 Course & Credit Hours	Semester 2 Course & Credit Hours
ENG 1021 English Composition I (3)	ENG 1022 English Composition II (3)
FST 1002 Principles of Emergency Services (3)	FST 1000 Firefighter I (Elective) (9)
FST 1003 Fire Behavior & Combustion (3)	FST 1005 Building Construction for Fire Protection (3)
FST 1007 Hazardous Materials Ops (level I) (3) or Any FST Elective (12 credits needed)	Any FST Elective (12 credits needed)
FST 1009 Occupational Safety & Health for Fire (3)	
Total 15 Credit Hours	Total 15 Credit Hours

Semester 3 Course & Credit Hours	Semester 4 Course & Credit Hours
CIS 1018 Introduction to PC Applications (3) or CSC 1005 Computer Literacy (3)	POS 1011 American Government I (3) or PSY 1005 Psychology of the Workplace (3)
FST 1006 Fire Prevention (3)	MAT 1140 Career Math or higher (3)
FST 2002 Strategy & Tactics (3)	EMP 1001 Introduction to Emergency Management (3)
FST 2009 Fire Protection Systems (3)	FST 2001 Instructional Methodology (3)
FST 2059 Wildland Firefighting Strategy & Tactics (3)	FST 2003 Fire Hydraulics & Water Supply (3)
Total 15 Credit Hours	Total 15 Credit Hours

Talk to a program advisor today:

Fire Science Technology Department Chairs

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