

Associate of Applied Science: Fire Science Technology This degree is designed to prepare students for the fire service, either as a volunteer or career fire fighter. The basics of fire science, equipment, organization, fire service occupational safety and health, investigations, codes and fire detection will be covered. The two-year degree program provides comprehensive technical training and general education course work necessary for employment and job advancement.

Colorado Mountain College and Mesa State College have signed an agreement that allows students to complete a Bachelor of Applied Science in Public Administration/Public Safety. MSC will accept a maximum of 60 credits from the completed AAS Fire Science Technology degree. Additionally, MSC will allow students to take the next 30 credits of designated lower division general education courses from CMC to be applied to the BAS. MSC requires that students complete the last 30 credits with them. MSC offers a number of upper division courses via distance education. Please consult with your advisor.

Students must demonstrate college-level proficiency levels in reading, writing, and mathematics as prerequisites for courses within this degree. Skills in these areas may affect the sequence in which students can enroll and may also extend the time required to complete this program. For more details, please see the Academic Placement and Testing section.

Graduates of the program will receive an Associate of Applied Science Degree in Fire Science Technology.

Fire Science Technology is offered at the Summit and Vail/Eagle Valley Campuses. Contact these sites for course schedule information. See the Courses section for more detail.

Please see your advisor for a recommended sequence of courses.

General Education Requirements (20-21 Credits)

✱ CIS 118 Introduction to PC Applications	3
🔒 CHE 101 Introduction to Chemistry I	5
🔒 ENG 121 English Composition I	3
✱ SPE 115 Public Speaking	3
🔒 PSY 101 General Psychology I	3
MAT 107 Career Math	3
OR	
🔒 MAT 121 College Algebra	(4)
	20-21

Program Requirements (36) Credits

FST 102 Introduction to Fire Science & Suppression	3
FST 103 Firefighter Occupational Health & Safety	3
FST 104 Fire Protection Systems	3
FST 105 Building Plans & Construction	3
FST 106 Fire Inspection Practices	3
FST 107 Hazardous Materials Operations (Level I)	3
FST 201 Instructional Methodology	3
FST 202 Firefighting Strategy & Tactics	3
FST 203 Fire Science Hydraulics	3
FST 204 Fire Codes & Ordinances	3
FST 205 Fire Cause Determination	3
FST 206 Fire Company Supervision & Leadership	3
	36

Electives (Choose a minimum of 8 credits)

FST 100 Firefighter I	9
FST 151 Driver Operator	3
FST 152 Wildland Firefighter	3
FST 254 Hazardous Materials Technician Level	3
FST 261 Fire Operations in the Urban Interface	2
EMS 125 EMT Basic	9
AND	
EMS 170 EMT Basic Clinical	1

Minimum Credit Hours Required 64

Minimum Contact Hours Required 975



Fire Science Technology is taught in partnership with local departments.