



Fire Protection Technology

degree and certificate programs

You can begin or advance a career as a firefighter with a degree in Fire Protection Technology. You may also open up possibilities in business and industry, insurance rating organizations and education. Fire Protection students learn about fire prevention, fire inspections, leadership, fire protection safety, fire suppression management and laws and codes that are part of this career field. Students will also take courses in humanities/fine arts, Social Sciences, English, Natural Sciences/Mathematics, and computers. Our mission at Mitchell Community College is to provide the highest quality Fire Protection Technology Program in an environment that meets the students needs. All Fire Protection Technology classes are offered online in an eight-week semester format. The Fire Protection Technology degree is offered completely online in asynchronous delivery. Students may choose to take general education and other major hours in a traditional format or online.

Study Options

Mitchell Community College offers students interested in a career in fire protection the opportunity to earn an Associated in Applied Science degree or many certification opportunities.

- Fire Protection Technology A.A.S.—64 Credit Hours
- Fire Protection Technology Certificate—12 Credit Hours
- Fire Protection Manager Certificate—18 Credit Hours

Possible Careers

- Municipal Firefighter
- Fire Investigator
- Fire Inspector
- Industry Safety Officer
- State and Federal Firefighter

Program Outcomes

Graduates of this program can expect a projected job growth of six percent through 2029 which is faster than the average for all occupations.

Learn More

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College Admissions

admissions@mitchellcc.edu

Statesville Campus | Eason Student Services Center, Room 208 | (704) 978-5493
Mooresville Campus | Mooresville Campus Building A | (704) 978-5415
Continuing Education Center | Room 1 | (704) 878-3220

Degree and Certificate Requirements

Fire Protection Technology

A.A.S. Degree [A55240]

Certificate Programs [C55240, C55240FS]

A.A.S. Degree [A55240]

General Education Required Courses

Required Courses

ENG 111 Writing and Inquiry	3
ENG 114 Professional Research and Reporting	3

Humanities/Fine Arts Electives (3 credits)

Take one (1) course from:

ART 111 Art Appreciation	3
HUM 115 Critical Thinking	3
HUM 160 Introduction to Film	3
MUS 110 Music Appreciation	3
PHI 240 Introduction to Ethics	3

Math (3-4 credits)

Take one (1) course from:

MAT 143 Quantitative Literacy	3
MAT 171 Precalculus Algebra	4

Social Science Elective (3 credits)

Take one (1) course from:

PSY 150 General Psychology	3
POL 130 State & Local Government	3
SOC 210 Introduction to Sociology	3

Total General Education Required Hours 15-16

Major Required Courses

CIS 110 Introduction to Computers	3
EPT 140 Emergency Management	3
FIP 120 Introduction to Fire Protection	3
FIP 124 Fire Prevention and Public Education	3
FIP 128 Detection and Investigation	3
FIP 132 Building Construction	3
FIP 136* Inspections and Codes	3
FIP 146 Fire Protection Systems	4
FIP 152 Fire Protection Law	3
FIP 220 Fire Fighting Strategies	3
FIP 228 Local Government Finance	3
FIP 229 Fire Dynamics and Combustion	3
FIP 276 Managing Fire Services	3

Total Major Required Hours.....40

Credit for experience up to nine hours of credit:

- Students may receive credit for FIP 136/Inspections and Codes if they hold a valid level 1 Fire Inspectors Certification from the NC Office of State Fire Marshal.
- Students may receive credit for FIP 224/Fire Instructor I and II if they hold a valid Instructors Certification from the NC Office of State Fire Marshal.
- Students may receive credits for FIP 240/Fire Officer if they hold a valid Fire Office I and II Certification from the NC Office of State Fire Marshal.
- Students may receive credits for FIP 124/Fire Prevention and Public Education if they hold a valid NC Fire Educator II certification from the NC Office of State Fire Marshal.
- Students may receive credits for FIP 128/Detection and Investigation if they hold a valid NC Arson Investigator certification from the NC Office of State Fire Marshal.
- Students may receive credits for up to 6 credit hours for a valid NC EMT certification from the NC Office of EMS.

Certificate Options

Fire Protection Technology Certificate [C55240]

FIP 120 Intro to Fire Protection	3
FIP 124 Fire Prevention & Public Ed	3
FIP 132 Building Construction	3
FIP 152 Fire Protection Law	3
FIP 220 Fire Fighting Strategies	3
FIP 228 Local Government Finance	3

Total Credit Hours Required for Certificate Program 18

Fire Service Manager Certificate [C55240FS]

CIS 110 Introduction to Computers	3
ENG 111 Writing and Inquiry	3
EPT 140 Emergency Management	3
FIP 152 Fire Protection Law	3
FIP 228 Local Government Finance	3
FIP 276 Managing Fire Services	3

Total Credit Hours Required for Certificate Program 18

Other Programs

If you are interested in this program, you may want to consider one of our other public safety programs:

- Pre-Criminal Justice College Transfer Program (A1010D)
- Criminal Justice Technology A.A.S. Degree (A55180)
- Basic Law Enforcement Training Certificate (C55120)
- Emergency Medical Science (A55340)
- Emergency Medical Technician Certification



Statesville Campus | 500 West Broad Street | Statesville, NC 28677 | (704) 878-3200
Mooresville Campus | 219 North Academy Street | Mooresville, NC 28115 | (704) 663-1923
Continuing Education Center | 701 West Front Street | Statesville, NC 28677 | (704) 878-3220

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