

Fire Protection Technology

The Fire Protection Technology curriculum is designed to provide individuals with technical and professional knowledge in fire protection for both public and private sectors. The Fire Protection program provides a sound foundation for continuous higher learning in fire protection, administration, and management.

Course work includes classroom exercises to introduce the student to various aspects of fire protection. Students learn technical and administrative skills such as hazardous materials, arson investigation, fire protection safety, fire suppression management, law, and fire inspection code.

Graduates qualify for employment in governmental agencies, industrial firms, insurance rating organizations, educational organizations, and municipal fire departments. Graduates currently employed in the fire service have opportunities for skilled and supervisory-level positions within their current organizations.

For specific information about potential positions and wages in fire protection employment, visit the Central Piedmont Career Coach website.

Fire Protection Technology (A55240)

Degree Awarded

The Associate in Applied Science degree - Fire Protection Technology is awarded by the college upon completing the program.

Admissions

- A high school diploma or equivalent is required.
- Placement tests are required for admission to particular courses.
- Many courses have prerequisites or co-requisites; check the Courses section for details.

Notes

- A minimum grade of "C" is required in all FIP prefix courses to complete the program.
- Students may obtain a suggested course sequence list from the program chair.
- Students should meet with a Fire Protection Program faculty advisor before initial registration.

Contact Information

The Fire Protection Technology program is a part of the Public Safety and Transport Technologies Division. For more information, call the Program Chair at 704.330.2722, ext. 7182 or email michael.ripoll@cpcc.edu. (michael.ripoll@cpcc.edu)

General Education Requirements

ENG 111	Writing and Inquiry	3.0
PSY 150	General Psychology	3.0
Take 3 credits from the following:		3.0
ENG 112	Writing and Research in the Disciplines	
ENG 113	Literature-Based Research	
	or ENG 114 Professional Research & Reporting	

Take 3 credits from the following: 3.0

MAT 143	Quantitative Literacy	
MAT 152	Statistical Methods I	
MAT 171	Precalculus Algebra	
MAT 271	Calculus I	
COM 110	Introduction to Communication	3.0
or COM 231	Public Speaking	

Take 3 credits from the following: 3.0

ART 111	Art Appreciation	
ART 114	Art History Survey I	
ART 115	Art History Survey II	
HUM 120	Cultural Studies	
HUM 130	Myth in Human Culture	
MUS 110	Music Appreciation	
MUS 112	Introduction to Jazz	
PHI 215	Philosophical Issues	
PHI 240	Introduction to Ethics	
REL 110	World Religions	

Major Requirements

ACA 122	College Transfer Success	1.0
FIP 120	Introduction to Fire Protection	3.0
FIP 124	Fire Prevention & Public Education	3.0
FIP 132	Building Construction	3.0
FIP 152	Fire Protection Law	3.0
FIP 220	Fire Fighting Strategies	3.0
FIP 228	Local Government Finance	3.0

Select 4 credits of the following: 4.0

FIP 230	Chemistry of Hazardous Materials I	
CHM 151	General Chemistry I	
PHY 151	College Physics I	

Take 1 course from the following: 4.0

FIP 231	Chemistry of Hazardous Materials II	
CHM 152	General Chemistry II	
PHY 152	College Physics II	

Major Electives

Select 18 credits of the following: 18.0

FIP 128	Detection and Investigation	
FIP 136	Inspections and Codes	
FIP 140	Industrial Fire Protection	
FIP 146	Fire Protection Systems	
FIP 221	Advanced Fire Fighting Strategies	
FIP 224	Fire Instructor I & II	
FIP 226	Fire Officer I & II	
FIP 229	Fire Dynamics and Combustion	
FIP 240	Fire Service Supervision	
FIP 248	Fire Service Personnel Administration	
FIP 256	Municipal Public Relations	
FIP 276	Managing Fire Services	
FIP 277	Fire and Social Behavior	
EPT 140	Emergency Management	
WBL 111	Work-Based Learning I	
WBL 112	Work-Based Learning I	

ACA 111	College Student Success	
COM 140	Introduction to Intercultural Communication	
Take 1 course:		
CIS 111	Basic PC Literacy	2.0
or CIS 110	Introduction to Computers	
Total Credits		65

No diplomas are offered in Fire Protection Technology.

Fire Protection Technology Certificates (C55240)

- Fire Protection Technology Certificate Specialization in Fire Management (C55240-C1) (p. 2)
- Fire Protection Technology Certificate Specialization in Basics in Fire Protection (C55240-C2) (p. 2)
- Fire Protection Technology Certificate Specialization in Firefighting Strategy and Tactics (C55240-C3) (p. 2)
- Fire Protection Technology Certificate Specialization in Global Studies in Fire Protection (C55240-C4) (p. 2)

Fire Protection Technology Certificate Specialization in Fire Management (C55240-C1)

Major Requirements

FIP 240	Fire Service Supervision	3.0
FIP 248	Fire Service Personnel Administration	3.0
FIP 256	Municipal Public Relations	3.0
EPT 140	Emergency Management	3.0
Total Credits		12

Fire Protection Technology Certificate Specialization in Basics in Fire Protection (C55240-C2)

FIP 120	Introduction to Fire Protection	3.0
FIP 124	Fire Prevention & Public Education	3.0
FIP 128	Detection and Investigation	3.0
FIP 220	Fire Fighting Strategies	3.0
FIP 140	Industrial Fire Protection	3.0
Total Credits		15

Fire Protection Technology Certificate Specialization in Firefighting Strategy and Tactics (C55240-C3)

FIP 132	Building Construction	3.0
FIP 220	Fire Fighting Strategies	3.0
FIP 221	Advanced Fire Fighting Strategies	3.0
FIP 224	Fire Instructor I & II	4.0
Total Credits		13

Fire Protection Technology Certificate Specialization in Global Studies in Fire Protection (C55240-C4)

Major Requirements

FIP 120	Introduction to Fire Protection	3.0
FIP 124	Fire Prevention & Public Education	3.0
FIP 132	Building Construction	3.0
REL 110	World Religions	3.0
Total Credits		12

The following is the suggested plan for when to take each course to complete the Associate in Applied Science degree, based on the program requirements of the 2022-2023 catalog. This is only a recommendation — you may take courses in another order upon consultation with your advisor. This plan is based on you starting with college-level math and English courses, starting your program in the fall, and attending full-time. You can also follow this sequence if you attend part-time. Speak with an advisor about the plan and any questions. This program might also offer diplomas or certificates; visit the catalog or contact the program for details.

Fire Protection Technology suggested course sequence