

MONTGOMERY COLLEGE
Fire Science and Emergency Services Programs

Fire Protection Technology
Associates in Applied Science A.A.S.

This program prepares students to meet the unique demands of the profession through education and training on national standards from the National Fire Protection Association and the National Fire Academy. Designed to correlate classroom, laboratory and field experience in public and private sector fire organizations, this program provides a diverse yet relevant variety of courses. In this program, students will determine fire protection methods and design or recommend materials or equipment such as structural components or fire-detection equipment to assist organizations in safeguarding life and property against fire, explosion, and related hazards.

From the installation of fire protection equipment to the design of alarm and sprinkler systems, the Fire Protection Technology program at Montgomery College provides students a wide range of exciting opportunities. Developed in conjunction with the National Fire Academy of the Federal Emergency Management Agency, the program covers the various aspects of the profession, provides content knowledge, and improves employment opportunities in the field, as well as prepares students for entry level management responsibilities and increases technical knowledge necessary for diverse public and private leadership situations.

General Education and Other Requirements (26 - 28 credit hours)		
EN 101	Techniques of Reading and Writing I	3
	English Foundation	3
	Health foundation	1 – 3
	Mathematics foundation	3
	Speech foundation	3
PY 102	General Psychology	3
	Arts or Humanities distribution	3
	Natural sciences lab distribution (Chemistry recommended)	4
	Computer Applications Elective	3
CT 131	Construction Plans Reading	3
	Fire Science Requirements (36 credit hours)	
FS 101	Principles of Emergency Services	3
FS 105	Fire Behavior and Combustion	3
FS 106	Occupational Safety for Emergency Services	3
FS 107	Community Fire Prevention & Safety Education	3
FS 112	Building Construction for Fire Protection	3
FS 212	Fire Protection Hydraulics & Water Supply	3
FS 216	Fire Protection Systems	3
FS 230	Advanced Concepts in Structural Fire Protection	3
FS 241	Performance-based Design Fire Protection	3
FS 242	Human Behavior in Fire	3
FS 250	Fire Protection Internship	3
	Total credit hours	61 - 63

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Fire Protection Technology
Certificate

Course Code	Title	Credits
CT 131	Construction Plans Reading	3
FS 101	Principles of Emergency Services	3
FS 105	Fire Behavior and Combustion	3
FS 106	Occupational Safety for Emergency Services	3
FS 107	Community Fire Prevention & Safety Education	3
FS 112	Building Construction for Fire Protection	3
FS 212	Fire Protection Hydraulics & Water Supply	3
FS 216	Fire Protection Systems	3
FS 222	Fire Plans Review	3
FS 230	Advanced Concepts in Structural Fire Protection	3
FS 241	Performance-based Design Fire Protection	3
FS 242	Human Behavior in Fire	3
FS 250	Fire Protection Internship	3
	Total credit hours	39



For additional information:

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