

MONTGOMERY COLLEGE
Fire Science and Emergency Services Programs

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

The major in Fire Prevention Technology offers students the opportunity to develop the professional skills and knowledge necessary to serve as an effective leader and manager in the public safety environment. The program is built around a “core” of courses that focus on broad knowledge and principles.

Fire Prevention specialists inspect buildings and equipment to detect fire hazards and enforce state and local regulations, develop and coordinate fire prevention programs, identify corrective actions necessary to bring properties into compliance with applicable fire codes, laws, regulations, and standards, and explain these measures to property owners or their representatives, inspect and test fire protection and/or fire detection systems to verify that such systems are installed in accordance with appropriate laws, codes, ordinances, regulations, and standards, and write detailed reports of fire inspections performed, fire code violations observed, and corrective recommendations offered.

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
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 221	Principles of Code Enforcement	3
FS 222	Fire Plans Review	3
FS 223	Fire and Life Safety Education	3
FS 225	Fire Investigation I	3
FS 226	Fire Investigation II	3
Total credit hours		62 - 64

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Fire Prevention Technology
Certificate

Course Code	Title	Credits
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 221	Principles of Code Enforcement	3
FS 222	Plans Review	3
FS 223	Fire and Life Safety Education	3
FS 225	Fire Investigation I	3
FS 226	Fire Investigation II	3
		Total credit hours 36



For additional information:

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