

FIRE TECHNOLOGY – ASSOCIATE IN SCIENCE DEGREE, CERTIFICATE OF ACHIEVEMENT

The curriculum prepares students to seek employment in fire protection and related fields in federal, state, local and private fire protection agencies. Instruction is offered in all phases of the fire service and provides the student with a thorough understanding of fire science and the fireground.

A Certificate of Achievement is awarded upon completion of all required courses with a grade of C or better.

Program Outcomes

1. Discuss the role of the fire service in the community and the importance of its Mission Statement.
2. Identify variables that impact the growth/spread/hazards of structure fires.
3. Describe different safeguards for fire prevention risks in flammable liquids, solid storage and storage of gasses.
4. Demonstrate the ability to recognize a hazardous materials incident based on auditory and visual clues.
5. Define typical fire detection and alarm systems.

Requirements for the Certificate of Achievement

Code	Title	Units
Semester I		
FIRE 110	INTRODUCTION TO FIRE TECHNOLOGY	3
FIRE 112	FUNDAMENTALS OF FIRE BEHAVIOR AND CONTROL	3
TECH 107A	TECHNICAL CALCULATIONS	3
ENGL 001A	READING AND COMPOSITION	4
	or ENGL 001AHHONORS READING AND COMPOSITION	
Semester II		
FIRE 114	FUNDAMENTALS OF FIRE PREVENTION	3
FIRE 116	FIRE FIGHTING TACTICS AND STRATEGY	3
FIRE 120A	HAZARDOUS MATERIALS	3
Select one of the following:		3
SPCH 001	FUNDAMENTALS OF SPEECH	
SPCH 001H	HONORS FUNDAMENTALS OF SPEECH	
SPCH 010	INTERPERSONAL COMMUNICATION	
Semester III		
FIRE 120B	HAZARDOUS MATERIALS	3
FIRE 128	FUNDAMENTALS OF FIRE PROTECTION EQUIPMENT AND DETECTION	3
KINA 037	POLICE-FIRE AGILITY TRAINING	1
Semester IV		
FIRE 115	FUNDAMENTALS OF PERSONAL SAFETY AND EMERGENCY ACTION	3

FIRE 142	BUILDING CONSTRUCTION FOR FIRE PROTECTION	3
FIRE 146	FIRE INVESTIGATION	3
Total Units		41

Recommended Electives

Code	Title	Units
BLDG 213	BUILDING CONSTRUCTION CODES AND STANDARDS	3
ELTY 217	ELECTRICAL INSPECTION AND CODES	2

Visit the Program Mapper (<https://pasadena-city.programmapper.ws/academics/interest-clusters/7e85bdcc-be06-405f-9845-b8b63e49f8c6/programs/9e67d147-c5e5-1004-4758-e880a9884525/>) for a suggested sequence of courses.

General Education Requirements for the Associate in Science Degree

- General Information (<https://curriculum.pasadena.edu/academic-programs-leading-degree-certificate/>)
- PCC Local Gen Ed (<https://curriculum.pasadena.edu/academic-programs-leading-degree-certificate/#pcclocaltext>)
- CSU Breadth (<https://curriculum.pasadena.edu/academic-programs-leading-degree-certificate/#csubreadthtext>)
- IGETC (<https://curriculum.pasadena.edu/academic-programs-leading-degree-certificate/#igetctext>)