

FIRE PROTECTION TECHNOLOGY, CERTIFICATE OF ACHIEVEMENT

information and other resources to explore majors, occupations, and employment information.

The Fire Protection Technology program prepares the students for a career in the fire service. The curriculum includes courses in building construction related to firefighter and life safety, history and philosophy of fire prevention, fire and life safety education, fire investigation, water-based fire suppression systems, special hazard fire suppression systems, water supply for fire protection and portable fire extinguishers, career opportunities in fire protection and related fields, and the culture and history of emergency services.

Learning Outcomes

Upon successful completion of the program, students will be able to:

- Analyze the causes of fire, determine extinguishing agents and methods, differentiate the stages of the fire and fire development, and compare methods of heat transfer.
- Assess emergency situations and employ strategies and tactics to mitigate the situation.
- Analyze and assess firefighter hazards and operations inherent to the profession.

Certificate of Achievement Requirements

| Code | Title | Units |
|----------------------|---|-----------|
| Required Core | | |
| FPTC 1 | Principles of Emergency Services | 3 |
| FPTC 2 | Fire Behavior and Combustion | 3 |
| FPTC 3 | Principles of Fire and Emergency Services Safety & Survival | 3 |
| FPTC 4 | Building Construction for Fire Prevention | 3 |
| FPTC 5 | Fire Prevention | 3 |
| FPTC 6 | Fire Protection Systems | 3 |
| Total Units | | 18 |

Please refer to the graduation requirements section of the Catalog for information about degree and certificate requirements including Reading and Writing, Mathematics, Information Competency, and General Education requirements.

MPC "Ready to Work" Career Education programs offer students the opportunity to gain knowledge and skills needed for employment and job advancement.

All students should consult with a Counselor to discuss career pathways, for support with career exploration and planning, and to create a personalized education plan to help them meet their academic, career, and personal goals. Visit MPC's Counseling website for more information about Counseling services provided by MPC and to connect with a Counselor.

Additional resources are available through MPC's Career & Transfer Resource Center (CTRC). The CTRC offers career resources, workshops, guidance and referrals. Visit the CTRC for support finding online career