

FIRE TECHNOLOGY, CERTIFICATE OF ACHIEVEMENT

The Fire Technology program prepares students to enter the field of fire technology as a firefighter. Firefighters are required to carry out emergency duties such as fire suppression, rescue, first aid, medical services, hazardous materials mitigation, and other duties as assigned. Non-emergency duties include fire prevention, public education, training, station and equipment maintenance, and other related tasks.

Course ID	Title	Units/ Hours
Required Core Courses		32.5
FT R151	Fire Protection Organizations	
EMT R169	Emergency Medical Technician	
FT R152	Fire Prevention Technology	
FT R154	Fire Behavior and Principles of Combustion	
FT R158	Principles of Fire and Emergency Services; Safety and Survival	
FT R167	Fire Equipment and Apparatus	
FT R161	Building Construction for Fire Protection	
FT R155	Fire Protection Equipment and Systems	
FT R160	Fire Tactics and Strategies	
Required Additional Courses		3-22.5
Complete a minimum of one of the following:		
FT R157	Wildland Fire Control	
FT R180	Wildland Fire Academy	
FT R170 & FT R173	Fire Fighter I/II Academy and Fire Service Physical Fitness	
FT R090	USLA Lifeguard Academy I	
Total Units		35.5-55

To complete the Certificate of Achievement, students must also meet requirements in scholarship and residency. Refer to Education Pathways - Earn a Certificate of Achievement section in this catalog for specific information.

Year 1		
Fall Semester		Units/Hours
FT R151	Fire Protection Organizations	3
FT R152	Fire Prevention Technology	3
EMT R169	Emergency Medical Technician	8.5
Units/Hours		14.5
Spring Semester		
FT R154	Fire Behavior and Principles of Combustion	3
FT R158	Principles of Fire and Emergency Services; Safety and Survival	3
FT R167	Fire Equipment and Apparatus	3
FT R161	Building Construction for Fire Protection	3
Units/Hours		12
Year 2		
Fall Semester		Units/Hours
FT R155	Fire Protection Equipment and Systems	3
FT R160	Fire Tactics and Strategies	3
Units/Hours		6

Spring Semester		
FT R170 & FT R173 or FT R157 or FT R090 or FT R180	Fire Fighter I/II Academy or Wildland Fire Control or USLA Lifeguard Academy I or Wildland Fire Academy	3-22.5
Units/Hours		3-22.5
Total Units/Hours		35.5-55

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

- Appropriately manage patient care relating to illness and injury, in the pre-hospital setting.
- Compare various types of fire protection systems and explain each system's role in the fire service.
- Identify apparatus, equipment and tools essential for successful fire department operations.
- Identify the roles and responsibilities of the fire service.
- Describe the importance of fire prevention and how it relates to the community, public education and the fire service.
- Recognize factors on the fire ground that jeopardize the safety of fire fighters.
- Relate the building construction type to its anticipated fire behavior in emergency situations.
- Recognize the characteristics of fire behavior and relate how the external influences of weather and chemicals affect it.