

# 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
<b>Required Core Courses</b>		<b>32.5</b>
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	
<b>Required Additional Courses</b>		<b>3-22.5</b>
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	
<b>Total Units</b>		<b>35.5-55</b>

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
<b>Units/Hours</b>		<b>14.5</b>
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
<b>Units/Hours</b>		<b>12</b>
Year 2		
Fall Semester		Units/Hours
FT R155	Fire Protection Equipment and Systems	3
FT R160	Fire Tactics and Strategies	3
<b>Units/Hours</b>		<b>6</b>

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
<b>Units/Hours</b>		<b>3-22.5</b>
<b>Total Units/Hours</b>		<b>35.5-55</b>

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.