

## Associate in Science Degree in Fire Technology

Academic Plan: H002800C

The Fire Technology Program is designed to prepare persons for positions in the various branches of the firefighting industry, to upgrade the competency of those already employed in the field to qualify for promotion, and to prepare individuals for employment in certain industrial occupations.

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

- communicate effectively with other agency colleagues and with the public.
- use critical thinking skills to select an appropriate response to a public safety event.
- identify relevant solutions to contemporary safety and security concerns.
- participate effectively in multi-cultural or interagency teams to solve safety problems on a national, state and local level.
- demonstrate an understanding of ethical issues and values required to make sound decisions about public safety.

### Core (29 units):

ADM JUS 750	Ethics in Public Safety Careers (3)
E D A 010A	Emergency Medical Technician IA Ambulance (6)
E D A 010B	Emergency Medical Technician IB Ambulance (2)
FIRETEK 201	Fire Protection Organization (3)
FIRETEK 202	Fire Prevention Technology (3)
FIRETEK 203	Fire Protection Equipment and Systems (3)
FIRETEK 204	Building Construction for Fire Protection (3)
FIRETEK 205	Fire Behavior and Combustion (3)
FIRETEK 216	Fundamentals of Personal Fire Safety & Emergency Action (3)

### Electives (choose 9 units minimum)

ADM JUS 16	Recruitment Selection Process (3)
ADM JUS 319	Research Methods & Statistics in Criminal Justice (3)
FIRETEK 207	Wildland Fire Control (3)
FIRETEK 209	Fire Tactics and Strategy (3)
FIRETEK 210	Fire Company Organization and Procedure (3)
FIRETEK 213	Fire Investigation (3)
FIRETEK 217	Fire Apparatus (3)

<b>Major (Core and Electives)</b>	<b>38</b>
<b>Additional LACCD GE Requirements</b>	<b>21</b>
<small>(Students wishing to transfer are advised to use either the CSU GE or IGETC plan instead.)</small>	
<b>Additional Degree-applicable Requirements</b>	<b>1</b>
<b>Total</b>	<b>60</b>

## Certificate of Achievement in Fire Technology

Academic Plan: H021648D

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- use critical thinking skills to select an appropriate response to a public safety event.
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- demonstrate an understanding of ethical issues and values required to make sound decisions about public safety.

### **Core (18 units):**

FIRETEK 201	Fire Protection Organization (3)
FIRETEK 202	Fire Prevention (3)
FIRETEK 203	Fire Protection Equipment & Systems (3)
FIRETEK 204	Building Construction for Fire Protection (3)
FIRETEK 205	Fire Behavior and Combustion (3)
FIRETEK 216	Fundamentals of Personal Fire Safety & Emergency Action (3)

### **Electives (choose 9 units minimum)**

E D A 010A	Emergency Medical Technician IA Ambulance (6)
E D A 010B	Emergency Medical Technician IB Ambulance (2)
FIRETEK 207	Wildland Fire Control (3)
FIRETEK 209	Fire Tactics and Strategy (3)
FIRETEK 210	Fire Company Organization and Procedure (3)
FIRETEK 213	Fire Investigation (3)

### **Additional Requirements (6-9 units):**

ENGLISH 100	Accelerated Prep: College Writing (3)
or	
ENGLISH 101	College Reading and Composition I (3)
or	
ENGLISH 101X	College Reading and Composition I Plus 1-Hour Lab (3)
or	
ENGLISH 101Y	College Reading and Composition I Plus 2-Hour Lab (3.5)
or	
ENGLISH 101Z	College Reading and Composition I Plus 3-Hour Lab (4)
MATH 115	Elementary Algebra (5)

or a higher level math course (3-5)

<b>Total</b>	<b>33-36</b>
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