



# Fire Technology A.S. Degree - without Internship

The fire service is one of the most dynamic employers in the country. This CRC program provides the student with updated skills and knowledge necessary to complete and successfully apply for fire service positions. The curriculum serves as an inservice program and a pre-employment program for students seeking employment or advancement in urban fire fighting and fire suppression.

**Total Units: 64.5-76**

## First Year

### Semester 1

**17-18 Units**

COURSE	UNITS	PRE-REQS <sup>^</sup>	SEMESTERS OFFERED*	GE AREA
<b>EMT 115<sup>1</sup></b> Emergency Medical Technician (EMT) Didactic Introduction	1.5	Am Heart Assoc CPR & BLS or EMR First Responder or Life Guard Training Certificate; Advisory: AH 110 & BIOL 102	F, S	
<b>EMT 116<sup>1</sup></b> Emergency Medical Technician (EMT) Didactic Conclusion	5	EMT 115	F, S	
<b>EMT 117<sup>1</sup></b> Emergency Medical Technician (EMT) Practicum	1.5	EMT 115	F, S	
<b>FT 300 <sup>Z</sup></b> Fire Protection Organization	3		S(O), Su(O)	
<b>CRC Area II(a)-Writing Competency <sup>Z</sup></b>	3	Recommend meeting with a counselor	F, S, Su	CRC Area II(a)
<b>CRC Area II(b)-Math Competency <sup>Z</sup></b>	3-4	Recommend meeting with a counselor	F, S, Su	CRC Area II(b)

<sup>Z</sup> At least one section of this course is offered with free textbooks and is labeled as zero textbook costs (ZTC). If it is a GE area class or elective, there may be several ZTC offerings to fulfill the GE requirement. Use the Free Textbook filter to find these courses. Learn more on the [ZTC page of the college website](#).

<sup>1</sup> A current California EMT certificate or Paramedic license will be accepted as satisfactory completion of the EMT 1115, 116, and 117 requirements.

### Semester 2

**15.5-19 Units**

## Career

### Options/Outlook:

Firefighters control and extinguish fires or respond to emergency situations where life, property, or the environment is at risk. Duties may include fire prevention, emergency medical service, hazardous material response, search and rescue, and disaster assistance.

### A sample of reported job titles:

Apparatus Operator, Fire Captain, Fire Chief, Fire Engineer, Fire Equipment Operator, Fire Fighter, Firefighter, Fireman, Safety Officer, Volunteer Firefighter

### Projected job openings in California (2020-2030):

2,160

### Projected growth in California (2020-2030):

4% growth

### Median Salary in California (2021):

\$77,640/yr

### Source:

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*	GE AREA
<b>FT 301</b> <sup>Z</sup> Fire Prevention Technology	3	Advisory: FT 300	S(O) even year	
<b>FT 305</b> <sup>Z</sup> Firefighter Safety and Survival	3	Advisory: FT 300	S(O)	
<b>FT 320</b> <sup>Z</sup> Hazardous Materials	3	Advisory: FT 300, 301, 302, 303, & 304	Rotating F/S odd year (ie., F21, S23)	
<b>FT 498</b> <sup>1</sup> <sup>Z</sup> Work Experience in Fire Technology	0.5-4		F(O,P), S(O), Su(O)	CRC Area III(b)
<b>CRC Area IV-Natural Sciences</b> <sup>Z</sup>	3		F, S, Su	CRC Area IV
<b>CRC Area I-Humanities</b> <sup>Z</sup>	3		F, S, Su	CRC Area I

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<sup>1</sup> You must have 1-4 units of work experience in Firefighting or Emergency Medical Services to receive a degree.

## Year 2

### Semester 3

15.5-19 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*	GE AREA
<b>FT 130</b> <sup>Z</sup> Fire Company Organization and Management	3	Advisory: FT 200 or employed as a firefighter	F(O)	
<b>FT 304</b> <sup>Z</sup> Fire Behavior and Combustion	3	Advisory: FT 300	F(O)	
<b>FT 302</b> Fire Protection Equipment and Systems	3	Advisory: FT 300	F, even year	
<b>FT 498</b> <sup>Z</sup> Work Experience in Fire Technology	0.5-4		F(O,P), S(O), Su(O)	CRC Area III(b)
<b>CRC Area VI-Ethnic/Multicultural Studies</b> <sup>Z</sup>	3		F, S, Su	CRC Area VI
<b>CRC Area V(a)-American Institutions</b> <sup>Z</sup>	3		F, S, Su	CRC Area V(a)

## Transfer notes:

Please meet with a counselor for specific transfer course evaluation or transferring to a specific 4-year institution.

## General Education (GE):

Please meet with a counselor for specific transfer course evaluation or transferring to a specific 4-year institution.

## Honors option:

The CRC Honors Program is designed specifically for academically accomplished students and for students with the potential for high achievement. Students who complete 15 units or more in honors-designated courses will earn special recognition as an Honors Scholar, a distinction that may entitle the student to guaranteed transfer and scholarship opportunities at select transfer colleges and universities.

## About this program map:

This program map represents one possible pathway to complete the program. Please see a counselor to create an education plan that is customized to meet your needs. This map is not a guarantee of course availability or financial aid applicability.

## Zero Textbook Costs (ZTC):

The Zero Textbook Costs designation and logo are added to any course that provides free access to all required instructional materials. These are typically shared with students through Canvas. Courses that are designated as ZTC may still require students to purchase supplemental materials such as lab coats, a calculator, art supplies, etc. See full definitions and searching tips on the [Zero Textbook Costs page](#) of the college website.

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## Semester 4

16.5-20 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*	GE AREA
<b>FT 498</b> <b>Z</b> Work Experience in Fire Technology	0.5-4		F(O,P), S(O), Su(O)	CRC Area III(b)
<b>FT 110</b> Fire Apparatus <b>or</b>	3	Advisory: FT 130 & 300 or employed as a firefighter	S, even year	
<b>FT 180</b> Rescue Practices	3	Advisory: FT 300 or employed as a firefighter	S, odd year	
<b>FT 170</b> <b>Z</b> Fire Investigation <b>or</b>	3	Advisory: FT 300 or employed as a firefighter	S, even year	
<b>FT 190</b> <b>Z</b> Fire Tactics and Strategy	3	FT 300; Advisory: FT 301, 302, 303, & 304 or employed as a firefighter	S, odd year	
<b>FT 303</b> Building Construction for Fire Protection	3	Advisory: FT 300	S, odd year	
<b>CRC Area III(a)-Physical Edu Activity</b> <b>Z</b>	1		F, S, Su	CRC Area III(a)
<b>CRC Area IV-Natural Sciences</b> <b>Z</b>	3		F, S, Su	CRC Area IV
<b>CRC Area V(b)-Social &amp; Behavioral Sciences</b> <b>Z</b>	3		F, S, Su	CRC Area V(b)

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^You must have passed the prerequisite course(s) with a "C" or better; Corequisite must be taken during the same semester; Advisory means it is recommended but not required to enroll in the course.

\*(O) = online available (P) = partially online