



# Administration of Justice & Public Safety

## Career and Academic Pathways (CAPs)

### Program Map: Associate in Arts Degree for Fire Technology

Total number of units: 60 units

Top Code/Academic Plan: 2133.00

Updated on March 15, 2022

Semester 1	Course Code	Course	Units	Notes	Advising Notes
Program Course	FIRE TEK 201	<b>Introduction to the Fire Service</b>	<b>3</b>	This course introduces fire technology: its career opportunities; philosophy and history of fire protection; fire loss analysis; fire protection functions and systems; basic fire chemistry and physics; and fire strategy and tactics.	The course does not require any pre-requisites and is offered in person and online every semester, but not on weekends.
Program Course	FIRE TEK 202	<b>Fire Prevention</b>	<b>3</b>	This course provides fundamental information regarding the history and philosophy of fire prevention and organization. Students are introduced to fire codes, identification and correction of fire hazards, fire safety education, and detection and suppression systems.	The course does not require any pre-requisites and is offered in person and online every semester, but not on weekends.
GE Course	ENGLISH 101	<b>College Reading and Composition I</b>	<b>3</b>	LACCD GE Area D1. Students should seek academic counseling for GE courses.  This course has sections that are part of the Honors Program. Check the current catalog for the section number(s). To apply for admission to the Honors Program, please visit the ELAC Counseling Center. For additional information about the Honors Program, please visit the <a href="#">ELAC Honors Program</a> website or contact Dr. Bermudez at <a href="mailto:bermudn@elac.edu">bermudn@elac.edu</a> .	This course has sections that include a low cost (LCT) or no cost textbook (ZTC). Check the current catalog for the section number(s). You can search for classes in the ELAC and LACCD Schedule of Classes under "Class Search Type" as "Zero Textbook Cost" or "Low-Cost Textbook Classes."
GE Course	POL SCI 001	<b>The Government of the United States</b>	<b>3</b>	LACCD GE Area B1. Students should seek academic counseling for GE courses.  This course has sections that are part of the Honors Program. Check the current catalog for the section number(s). To apply for admission to the Honors Program, please visit the ELAC Counseling Center. For additional information about the Honors Program, please visit the <a href="#">ELAC Honors Program</a> website or contact Dr. Bermudez at <a href="mailto:bermudn@elac.edu">bermudn@elac.edu</a> .	This course has sections that include a low cost (LCT) or no cost textbook (ZTC). Check the current catalog for the section number(s). You can search for classes in the ELAC and LACCD Schedule of Classes under "Class Search Type" as "Zero Textbook Cost" or "Low-Cost Textbook Classes."

**Total Units    12**

Intersession	Course Code	Course	Units	Notes	Advising Notes
Program Course		<b>Elective: Fire Tek</b>	<b>3</b>	or ANY Course listed on AJ, AA Degree.	

**Total Units    3**

Semester 2	Course Code	Course	Units	Notes	Advising Notes
Program Course	FIRE TEK 203	<b>Fire Protection Equipment &amp; Systems</b>	<b>3</b>	This course introduces the fundamentals of fire protection systems and equipment: Fire detection, alarm systems, heat and smoke control systems, sprinkler systems, fire protection and portable fire extinguishers.	The course does not require any pre-requisites and is offered in person and online every semester, but not on weekends.
Program Course	FIRE TEK 204	<b>Building Construction for the Fire Service</b>	<b>3</b>	This course studies building construction from the point of view of fire protection, focusing on design, construction materials, and the safety concerns of lightweight building components.	The course does not require any pre-requisites and is offered in person and online every semester, but not on weekends.
GE Course	MATH 125	<b>Intermediate Algebra</b>	<b>5</b>	LACCD GE Area D2. Students should seek academic counseling for GE courses.	This course has sections that are part of the Honors Program. Check the current catalog for the section number(s). To apply for admission to the Honors Program, please visit the ELAC Counseling Center. For additional information about the Honors Program, please visit the <a href="#">ELAC Honors Program</a> website or contact Dr. Bermudez at <a href="mailto:bermudn@elac.edu">bermudn@elac.edu</a> .

Semester 2	Course Code	Course	Units	Notes	Advising Notes
GE Course	KIN 229	<b>Body Conditioning Skills</b>	1	or ANY Course Listed on LACCD GE AREA E1.	

**Total Units 12**

Interession	Course Code	Course	Units	Notes	Advising Notes
Program Course		<b>Elective: Fire Tek</b>	3	or ANY Course listed on AJ, AA Degree.	
Program Course		<b>Elective: Fire Tek</b>	3	or ANY Course listed on AJ, AA Degree.	

**Total Units 6**

Semester 3	Course Code	Course	Units	Notes	Advising Notes
Program Course	FIRE TEK 205	<b>Fire Behavior and Combustion</b>	3	This course provides the theory and fundamentals of how and why fires start, spread, and are controlled. Fire chemistry and physics, fire characteristics of materials, extinguishing agents, and fire control techniques are covered.	The course does not require any pre-requisites and is offered in person and online every semester, but not on weekends.
Program Course	FIRE TEK 216	<b>Firefighter Safety &amp; Survival</b>	3	This course introduces the basic concepts of occupational health and safety. Topics include risk evaluation and control procedures for fire stations, training sites, emergency vehicles, and emergency situations involving fire, and emergency medical services.	The course does not require any pre-requisites and is offered in person and online every semester, but not on weekends.
GE Course	FAM&CS 021	<b>Nutrition</b>	3	LACCD GE Area A. Students should seek academic counseling for GE courses.	This course has sections that include a low cost (LCT) or no cost textbook (ZTC). Check the current catalog for the section number(s). You can search for classes in the ELAC and LACCD Schedule of Classes under "Class Search Type" as "Zero Textbook Cost" or "Low-Cost Textbook Classes."
GE Course	HEALTH 012	<b>Safety Education and First Aid</b>	3	or HEALTH 015 - Stress Management Strategy. Fulfills LACCD GE Area E.	

**Total Units 12**

Interession	Course Code	Course	Units	Notes	Advising Notes
Program Course		<b>Elective: Fire Tek</b>	3	or ANY Course listed on AJ, AA Degree.	

**Total Units 3**

Semester 4	Course Code	Course	Units	Notes	Advising Notes
Program Course	FIRE TEK 096	<b>Emergency Medical Technician</b>	9	The student must present to the instructor a Basic Life Support for the Healthcare Provider card from the American Heart Association and an updated immunization record card prior to the beginning of the class or no later than the first examination.	This course provides the theory and techniques of emergency medical services to be performed by an Emergency Medical Technician (EMT). This course prepares the student for the National Registry Examination.
GE Course	THEATER 100	<b>Introduction to the Theater</b>	3	LACCD GE Area C. Students should academic counseling for GE courses.	This course has sections that are part of the Honors Program. Check the current catalog for the section number(s). To apply for admission to the Honors Program, please visit the ELAC Counseling Center. For additional information about the Honors Program, please visit the <a href="#">ELAC Honors Program</a> website or contact Dr. Bermudez at <a href="mailto:bermudn@elac.edu">bermudn@elac.edu</a> .

**Total Units 12**

**Degree Path and Requirements:**

The above degree can lead to a career in in the fire service industry.

This map is a suggested term-by-term sequence of courses to complete the program in a recommended time frame. This is an efficient and recommended plan, but actual plans may vary by individual student need. This map cannot replace a meeting with [counselors](#). Students can apply for certificates as soon as the necessary courses are completed. Meet with a counselor and the financial aid office to ensure continued financial aid. Check with [financial aid](#) for eligibility.

**Department Advising Notes:**

Students are encouraged to seek advice from Professor Jason Hosea and Dr. Cheryl Pittman.

**Program Description**

The Fire Technology degree program is designed for students intending to enter the fire service as a career, as well as for in-service fire personnel wishing to enhance their professional and academic expertise. Many courses within the Fire Technology Subject area meet accreditation and certification standards set by the State Fire Marshal's Office. Students seeking this degree must complete the following required Fire Technology courses, as well as a minimum of nine units of elective courses from within the Fire Technology Subject area.

**Career and Transfer Opportunities**

There are many careers with the fire industry service. Visit the [Transfer Center](#) for transfer information, which varies based on transfer college. Make an appointment with a [counselor](#). Students can visit [Career and Job Services](#) for career counseling and further exploration. For additional resources, students pursuing a certificate can visit the [American Job Center of California](#) on ELAC main campus.

**Youtube Videos**

[How To Become A Firefighter TODAY: A 23-Step Guide Proven To Work \(FAST\)](#)

**Program Map**

A suggested sequence of classes to complete a degree, certificate, or program of study. Students should consult an academic counselor for variations to this plan based on part-time or full-time status, transfer plans, pre-requisites needed, etc.

**Prerequisite Course**

A specific course that must be completed before advancing to the next course.

Check the online catalog at [elac.edu](http://elac.edu) for the latest and most accurate information.

**Contact**

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