



## **FIRE & EMERGENCY TECHNOLOGY (FTEC)**

**EXPECTED OUTCOME: FIRE ACADEMY CERTIFICATE OF ACHIEVEMENT; &  
EMERGENCY MEDICAL CARE (IF FTEC 120 IS TAKEN AS OUTLINED)**

**PROGRAM DESCRIPTION** – The Fire & Emergency Technology program prepares students for entry-level employment and job upgrades in fire services and emergency medical fields. By completing the degree or certificate requirements, students will gain the ability to apply the principles of fire combat, fire protection organization, fire prevention, fire behavior, and building construction. Students will also gain proficiency in emergency medical assistance and in the handling of hazardous materials and emergency vehicles and apparatus. Competencies will be assessed regularly in Compliance with the California State Firefighter I Standards and with the Los Angeles County certification process for Emergency Medical Technicians and Paramedics.

**CAREER OPPORTUNITIES** – Firefighter, Emergency Medical Technician (EMT-B), Emergency Room Technician, Ambulance Operator, and Dispatcher.

\*Since employment as a Firefighter requires passing stringent physical and agility exams, persons considering such a career should ascertain that they meet those requirements.

### **PROGRAM OVERVIEW**

<b>First Semester</b>		
<b>Course Name and Number</b>	<b>Units</b>	<b>Recommendations/Requirements</b>
FTEC 1: Fire Protection Organization	3	•N/A
FTEC 3: Fundamentals of Personal Fire Safety and Survival	3	
FTEC 5: Fire Behavior and Combustion	3	
FTEC 6: Building Construction for Fire Protection	3	
Total Units	12	

Created by Adam Iqueda in collaboration with Ryan Carey (EMT Director), Chief Jeff Baumunk (Fire Academy Chief), Captain Kevin Huben (Paramedic Director), Ryan Anthony (Administration of Justice Director), Van Nguyen (ITEC Counselor) and \_\_\_\_\_ (Student Representative)

OPTIONAL

<b>Second Semester</b>		
<b>Course Name and Number</b>	<b>Units</b>	<b>Recommendations/Requirements</b>
FTEC 120: Emergency Medical Foundations	3	<p>•It is <b>recommended</b> that students take FTEC 120 prior to FTEC 144. This could be achieved by:</p> <ul style="list-style-type: none"> <li>○ Taking both courses during the same semester.</li> <li>○ Taking FTEC 120 the First Semester and FTEC 144 the Second Semester.</li> <li>○ Taking FTEC 120 during the first 8 week course offering and FTEC 144 during the second 8 week course offering.</li> </ul> <p>•It is <b>required</b> that students show proof of <u>BLS for Healthcare Providers</u> certification with the American Red Cross (ARC) or <u>BLS Provider</u> certification with the American Heart Association (AHA) on the first day of instruction for admission.</p> <p>•It is <b>required</b> that students show proof of vaccinations in order to complete the mandatory clinical and ride along.</p> <p>•It is <b>required</b> that students complete FTEC 144 with a minimum grade of B to be eligible to take the National Registry of Emergency Medical Technicians (NREMT) written exam within two (2) years.</p> <p>•It is <b>required</b> that students complete Incident Command System (ICS)-100 and ICS-700 prior to the end of FTEC 144. Please reference the El Camino College EMT website for links to ICS online courses.</p>
FTEC 144: Emergency Medical Technician	6.5	

Total Units	9.5
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**MILESTONES**

Successful completion of the “**Second Semester**” courses listed above, FTEC 120 and FTEC 144, will fulfill the requirements for the :

**EMERGENCY MEDICAL CARE CERTIFICATE OF ACHIEVEMENT**

Successful completion of **all** the courses listed above, excluding FTEC 120, will fulfill the requirements for the:

**FIRE ACADEMY APPLICATION PREREQUISITES (NOT INCLUDING THE “RECOMMENDATIONS/REQUIREMENTS LISTED IN THE “THIRD SEMESTER”**

<b>Third Semester (16 WEEKS)</b>		
<b>Course Name and Number</b>	<b>Units</b>	<b>Recommendations/Requirements</b>
FTEC 15: Fire Academy	15	<ul style="list-style-type: none"> <li>•It is <b>required</b> that students pass a Fire Fighter Physical Agility Test (FPAT) our Candidate Physical Agility test (CPAT) within the last 6 months as required by the California State Fire Marshall’s Office.</li> <li>•It is <b>required</b> that students pass the El Camino College Fire Physical Qualification Test.</li> <li>*It is <b>required</b> that students pass a physical examination according to the National Fire Protection Association (NFPA) Standard #1582.</li> </ul>
Total Units	15	

**MILESTONES**

Successful completion of **all** the courses listed above, excluding FTEC 120, will fulfill the requirements for the:

**FIRE ACADEMY CERTIFICATE OF ACHIEVEMENT**

***SUBJECT TO CHANGE-PLEASE REFERENCE LATEST EL CAMINO COLLEGE POSTING***

