Students will develop entry-level expertise in the areas of fire suppression, fire prevention, training and administration. Opportunities also exist with private industry safety programs, insurance companies, and fire equipment manufacturing firms.

The Fire Technology field offers enhanced opportunities for employment to students who have completed CSM’s program. Through the expertise of the faculty and the exposure to professional fire service personnel, students can expect to be trained in the latest theories and techniques of fire technology, firefighting skills, and emergency medical training.

Students who wish to concentrate on meeting the basic requirements for entry-level employment are advised to complete the EMT and Fire Academy courses. Fire agencies in California require completion of this training to meet minimum requirements for employment as a firefighter. However, many agencies are beginning to require an Associate degree for entry-level positions.

**Career Opportunities**

The Fire Technology program prepares students to meet the high standards necessary in pursuing a career in the fire service as a firefighter, or a member of related fire protection services such as emergency medical technician.

**Program Learning Outcomes**

Students completing this program will be able to:

1. Identify and discuss the concepts and theories related to the fire service including its history and development, fire prevention techniques and fire protection equipment, fire behavior and chemistry, building construction considerations, and firefighter safety.
2. Recognize the tools and equipment used in the fire service, and demonstrate their safe and proper use.
3. Explain and demonstrate the importance of developing interpersonal and communication skills necessary to function within the fire service and society at large.
4. Describe and demonstrate the value and necessity of ethics, integrity, and professionalism in the fire service.

**Major Requirements**

<table>
<thead>
<tr>
<th>Required Core Courses: 18 units</th>
<th>Units</th>
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<tbody>
<tr>
<td>FIRE 715 Principles of Emergency Services</td>
<td>3 units</td>
</tr>
<tr>
<td>FIRE 720 Fire Prevention</td>
<td>3 units</td>
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