Mt. San Jacinto College 2017-2018 Catalog

Instructional Programs

Fire Technology

San Jacinto Campus
(951) 487-MSJC (6752)
1-800-624-5561

Menifee Valley Campus
(951) 672-MSJC (6752)
1-800-452-3335
Nursing and Allied Health Unit (951) 639-5577
www.msjc.edu/nursingandalliedhealth

Degree(s)

Transfer:
None

Non-Transfer:
A.S. in Fire Technology [429 AS.FIRE]
(with General Education Requirements Option A)

Certificate(s)
Certificate in Fire Technology [22144CT.FIRE]

Employment Concentration Certificate(s)
Fire Academy Preparation [99999 ECC.FIRE.FAP]
Fire Apparatus Operator Preparation [99999 ECC.FIRE.FAOP]

Program Description
The non-transfer Certificate/Associate degree (A.S.) in Fire Technology involves the study of fire behavior, protection and control techniques which for individuals currently working within these fields, there may be potential for salary and/or career advancement. This program prepares the student for an entry-level career in the fire service by providing a foundation of core concepts, practices, vocabulary, culture, safety and requirements for the fire service. This program is designed to prepare students for the entry-level career in public or private fire protection agencies, to survey career options, and to upgrade fire personnel. This program follows the Fire and Emergency Services Higher Education (FESHE) model from the National Fire Academy in Emmetsburg, Maryland and is a component of accreditation from the California State Fire Training.

Career Opportunities
All career opportunities listed are representative careers in each field. There are no guaranteed positions for students completing these programs. (See: www.onetonline.org)

Non-Transfer A.S. Degree
Firefighter

Certificate
Firefighter

Employment Concentrations

Fire Academy Preparation
Firefighter

Fire Apparatus Operator Preparation
Firefighter

Transfer Preparation
MSJC offers a range of course work to prepare students to transfer to four-year colleges and universities. Courses that fulfill major requirements for an associate degree in this program might not be the same as those required for transfer into the major at a four-year university. All four-year institutions prescribe their own standards for course evaluation and admissions. Prospective transfer students are advised to research careers, degrees and majors in the Career/Transfer Center, access www.assist.org, review the MSJC catalog and meet with a counselor to expedite their transfer plan.

Learning Outcomes

• Analyze Fire Service theories and techniques as well as conduct research on specific topics related to the Fire Service.
• Exhibit a working knowledge of the various aspects of the Fire Service to include but not limited to Fire Department structure, operations, educational and experiential requirements for firefighting jobs.
• Use technology to process information to identify and address problems.
• Develop good oral and written communication skills.
• Demonstrate the ability to address problems while working as part of the team.

Degree
In addition to the 24 units of the certificate program in Fire Technology, students must also complete all MSJC General Education Option A requirements (a total of 60 units) for the Associate of Science degree in Fire Technology.

Note: Every effort has been made to keep program information current. Please use this information as a guide and consult with the chair of the department/program or an MSJC counselor.
Certificate in Fire Technology (24 units)

**Required Core Courses (18 units)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIRE-101</td>
<td>Introduction to Fire Technology</td>
<td>3</td>
</tr>
<tr>
<td>FIRE-102</td>
<td>Fundamentals of Fire Prevention</td>
<td>3</td>
</tr>
<tr>
<td>FIRE-106</td>
<td>Fundamentals of Fire Behavior and Combustion</td>
<td>3</td>
</tr>
<tr>
<td>FIRE-109</td>
<td>Fundamentals of Fire Protection and Equipment</td>
<td>3</td>
</tr>
<tr>
<td>FIRE-115</td>
<td>Building Construction for Fire Protection</td>
<td>3</td>
</tr>
<tr>
<td>FIRE-122</td>
<td>Principles of Fire and Emergency Services</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Safety and Survival</td>
<td></td>
</tr>
</tbody>
</table>

**Elective Courses (6 units)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMS-120</td>
<td>Emergency Medical Technician</td>
<td>6</td>
</tr>
<tr>
<td>FIRE-103</td>
<td>Fire Hydraulics</td>
<td>3</td>
</tr>
<tr>
<td>FIRE-107</td>
<td>Fire Apparatus and Equipment</td>
<td>3</td>
</tr>
<tr>
<td>FIRE-108</td>
<td>Fundamentals of Fire Investigation</td>
<td>3</td>
</tr>
<tr>
<td>FIRE-117</td>
<td>Hazardous Materials First Responder</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Operational</td>
<td>1</td>
</tr>
<tr>
<td>FIRE-121</td>
<td>Fundamentals of Wild Land Fire Fighting</td>
<td>3</td>
</tr>
<tr>
<td>FIRE-149/CWE-149M</td>
<td>Occupational Internship:Fire Technology</td>
<td>1-4</td>
</tr>
<tr>
<td>FIRE-299</td>
<td>Special Projects: Fire Technology</td>
<td>1-3</td>
</tr>
</tbody>
</table>

**Employment Concentrations**

**Fire Academy Preparation (9 units)**

Students completing this certificate will have completed the material required to apply for entrance into a Fire Academy. Some academies may have additional requirements such as passing a physical abilities test. For specific requirements and further information, contact the Fire Academy you wish to attend.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMS-120</td>
<td>Emergency Medical Technician</td>
<td>6</td>
</tr>
<tr>
<td>FIRE-101</td>
<td>Introduction to Fire Technology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Fire Apparatus Operator Preparation (9 units)**

Students completing this certificate will have completed the courses to prepare them to operate fire apparatus.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIRE-101</td>
<td>Introduction to Fire Technology</td>
<td>3</td>
</tr>
<tr>
<td>FIRE-103</td>
<td>Fire Hydraulics</td>
<td>3</td>
</tr>
<tr>
<td>FIRE-107</td>
<td>Fire Apparatus and Equipment</td>
<td>3</td>
</tr>
</tbody>
</table>
## Mt. San Jacinto College

**Undergraduate certificate in Fire Technology**  
**Program Length:** 72 weeks

### Students graduating on time

5% of Title IV students complete the program within 72 weeks.

### Program Costs*

- **$1,101** for in-state tuition and fees
- **$6,600** for out-of-state tuition and fees
- **$3,584** for books and supplies
- **$24,984** for off-campus room and board

**Other Costs**

Visit website for more program cost information

*The amounts shown above include costs for the entire program, assuming normal time to completion. Note that this information is subject to change.

### Students Borrowing Money

0% of students who attend this program borrow money to pay for it.

**The typical graduate leaves with**

N/A* in debt

**The typical monthly loan payment**

N/A* per month in student loans with N/A* interest rate.

**The typical graduate earns**

*not provided* per year after leaving this program.

### Graduates who got jobs

N/A* of program graduates got jobs

*We are not currently required to calculate a job placement rate for program completers.

**Program graduates are employed in the following fields:** Municipal Firefighters, Fire Inspectors

### Licensure Requirements

*Program has no licensure requirements in any state.

### Additional Information

Date Created 3/20/2017  
These disclosures are required by the U.S. Department of Education