

Fire Technology

San Jacinto Campus
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1-800-624-5561

Menifee Valley Campus
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1-800-452-3335
Dean of Instruction, Career Education & Categorical Programs (951) 639-5351

Degree(s)

Transfer:
None

Non-Transfer:
A.S. in Fire Technology^{4429 AS.FIRE}
(with General Education Requirements Option A)

Certificate(s)
Certificate in Fire Technology^{22144CT.FIRE}

Employment Concentration Certificate(s)
Fire Academy Preparation^{9999 ECC.FIRE.FAP}
Fire Apparatus Operator Preparation^{99999 ECC.FIRE.FAOP}

PROGRAM DESCRIPTION

The non-transfer Certificate/Associate degree (AS) 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

Students wishing to obtain the Associate in Science (AS) degree should complete the required core courses (18 units) and two additional elective courses (6 units) in the Fire Technology program to establish a major (24 units total). In addition to the 24 units of the certificate program, students must complete all the MSJC General Education Option A requirements for the Associate in Science (AS) degree in Fire Technology.

CERTIFICATE

Certificate in Fire Technology (24 units)

Required Core Courses (18 units)

FIRE-101	Introduction to Fire Technology	3 units
FIRE-102	Fundamentals of Fire Prevention	3 units
FIRE-106	Fundamentals of Fire Behavior and Combustion	3 units
FIRE-109	Fundamentals of Fire Protection and Equipment	3 units

FIRE-115	Building Construction for Fire Protection	3 units
FIRE-122	Principles of Fire and Emergency Services Safety and Survival	3 units

Elective Courses (6 units)

EMS-120	Emergency Medical Technician	6 units
FIRE-103	Fire Hydraulics	3 units
FIRE-107	Fire Apparatus and Equipment	3 units
FIRE-108	Fundamentals of Fire Investigation	3 units
FIRE-117	Hazardous Materials First Responder Operational	1 unit
FIRE-121	Fundamentals of Wild Land Fire Fighting	3 units
FIRE-149	Occupational Internship: Fire Technology	1-4 units
FIRE-299	Special Projects: Fire Technology	1-3 units

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.

EMS-120	Emergency Medical Technician	6 units
FIRE-101	Introduction to Fire Technology	3 units

Fire Apparatus Operator Preparation (9 units)

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

FIRE-101	Introduction to Fire Technology	3 units
FIRE-103	Fire Hydraulics	3 units
FIRE-107	Fire Apparatus and Equipment	3 units

