

WATER TECHNOLOGY

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

Menifee Valley Campus
(951) 672-MSJC (6752)
1-800-452-3335
Dean of Instruction, Career Education & Categorical
Programs (951) 639-5352

Degree(s)

Transfer:
None

Non-Transfer:
A.S. in Water Technology^{14270 AS.WT}
(with General Education Requirements Option A)

Certificate(s)
Certificate in Water Technology^{22131 CT.WT}

Employment Concentration Certificate(s)
None

PROGRAM DESCRIPTION

Water Technology is a career oriented non-transfer vocational program offering courses leading to a certificate and/or an Associate degree. The Water Technology program at MSJC emphasizes a real world approach to diagnostic skill building and a thorough understanding of system theory and operations. Professionalism, workplace skills and responsibilities are stressed along with safety and an awareness of hazardous materials control. Graduates are primarily employed by cities, counties, federal agencies and industry that operate and maintain water treatment, water distribution, wastewater collection and/or wastewater treatment systems. They may also find employment in support roles such as equipment sales. For individuals currently working within these fields, there may be potential for salary and/or career advancement.

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)

Our courses can directly prepare our students to take the following certification tests: Water Distribution Water Operator certification (Grades 1-5), Water Treatment Plant Operator (Grades 1-5), and Wastewater Treatment Plant Operator (Grades 1-5). The tests are administered by the state independent of our classes.

Non-Transfer Degree

Water Distribution Operator, Water Treatment Operator, Wastewater Treatment Operator, Mechanics, Customer Service Representative, Utility Personnel, Conservation Technician, Meter Readers

Certificate

Water Distribution Operator, Water Treatment Operator, Wastewater Treatment Operator, Mechanics, Customer Service Representative, Utility Personnel, Conservation Technician, Meter Readers

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

- Follow safe practices in the laboratory and in plant operations.
- Apply chemical, microbiological and mechanical knowledge and skills to maintain proper plant operations.
- Apply math and hydraulics skills in proper water and wastewater plant, collection system and distribution system operations.
- Understand regulations and operate plant accordingly.
- Interact effectively in oral and written communication.
- Use computers in water and wastewater plant operation.
- Demonstrate work ethic and model professional interaction with the public.

DEGREE

Non-Transfer Degree

Water Technology

In addition to the 18 units of the certificate program in Water Technology, students must also complete all MSJC General Education Option A requirements (a total of 60 units) for the Associate of Science degree in Water Technology.

CERTIFICATE

Certificate in Water Technology (18 units)

Required Core Courses (3 units)

WATR-090	Basic Waterworks Mathematics	2 units
WATR-100	Introduction to Water/Wastewater Operations	1 unit

Elective Courses (any 15 units)

WATR-103	Water Treatment Plant Operations I & II	3 units
WATR-105	Water Treatment Plant Operations III, IV & V	3 units
WATR-107	Water Distribution I & II	3 units
WATR-109	Water Distribution III, IV & V	3 units
WATR-120	Wastewater Treatment Plant Operations I & II	3 units
WATR-122	Wastewater Plant Operations III, IV & V	3 units
WATR-125	Test Procedures for Water and Wastewater	3 units
WATR-130	Environmental Laws and Regulations	3 units
WATR-140	Wells, Pumps and Motors	3 units



Mt. San Jacinto College

Undergraduate certificate in Water Technology

Program Length: 36 weeks

Students graduating on time

1% of Title IV students complete the program within 36 weeks¹

Program Costs*

\$828 for in-state tuition and fees

\$6,138 for out-of-state tuition and fees

\$1,971 for books and supplies

Other Costs:

Parking Permits cost \$68 a year or \$34 a semester

RTA Go Pass cost \$12 a year or \$6 a semester

SGA discount sticker (optional) - \$14 a year or \$7 a semester

Student representation fee (optional) - \$2 a year or \$1 a semester

Help a Student Fund (optional) - \$4 a year or \$2 a semester

Student Health Center Fee - \$40 a year or \$20 a semester

*For summer session fees, please see: <https://www.msjc.edu/StudentServices/EnrollmentServices/Pages/What-Fees-do-I-have-to-pay.aspx>

Visit website for more program cost information: www.msjc.edu/StudentServices/EnrollmentServices/Pages/What-Fees-do-I-have-to-pay.aspx

*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

The typical graduate leaves with

N/A* in debt³

*Fewer than 10 students completed this program within normal time. This number has been withheld to preserve the confidentiality of the students.

The typical monthly loan payment

N/A* per month in student loans with an interest rate of N/A*⁴.

*Fewer than 10 students completed this program within normal time. This number has been withheld to preserve the confidentiality of the students.

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: Water and Wastewater Treatment Plant and System Operators: <http://onetonline.org/link/summary/51-8031.00>

Licensure Requirements⁶

The following do not have licensure requirements for this profession:

California

Additional Information:

No additional notes provided.

Date Created: 5/16/2019

These disclosures are required by the U.S. Department of Education

Footnotes:

¹ The share of students who completed the program within 100% of normal time (36 weeks).

² The share of students who borrowed Federal, private, and/or institutional loans to help pay for college.

³ The median debt of borrowers who completed this program. This debt includes federal, private, and institutional loans.

⁴ The median monthly loan payment for students who completed this program if it were repaid over ten years at a NA* interest rate.

⁵ The median earnings of program graduates who received Federal aid.

⁶ Some States require students to graduate from a state approved program in order to obtain a license to practice a profession in those States.

⁷ State Job Placement Rate:

Name of the state this placement rate is calculated for:

N/A

Follow the link below to find out who is included in the calculation of this rate:

N/A

What types of jobs were these students placed in?

N/A

When were the former students employed?

N/A

How were completers tracked?

N/A

⁸ Accreditor Job Placement Rate:

Name of the accrediting agency this placement rate is calculated for:

N/A

Follow the link below to find out who is included in the calculation of this rate:

N/A

What types of jobs were these students placed in?

N/A

When were the former students employed?

N/A

How were completers tracked?

N/A