

WATER TECHNOLOGY

Program Description

Liquid blue gold! Water is one of the most important economic resources for California. Qualified water resources managers are in high demand and positions can lead to rewarding life-long careers. The MSJC Water Technology program is a career-oriented non-transfer vocational program offering courses leading to a certificate and/or an Associate degree.

The program emphasizes a real-world approach to diagnostic skill building and a thorough understanding of water 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 industries 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.

Water Technology Department Page (<https://www.msjc.edu/watertechnology/>)

Transfer Preparation

MSJC offers a range of course work to prepare students for the workforce or to transfer to four-year colleges and universities. All four-year institutions prescribe their own standards for course evaluation and admissions. Courses that fulfill major requirements for an associate degree in this program might not be the same as those required for transfer into a similar major at a four-year university.

Transfer students are advised to do research on prospective majors and careers through the Career/Transfer Center and the MSJC catalog. Students interested in transferring to CSU's or UC's can access major preparation by visiting <http://www.assist.org>. All students are advised to meet with a counselor at least once a semester to create or update their comprehensive education plan.

Contact Information

San Jacinto Campus

(951) 487-MSJC (6752)
1-800-624-5561

Dean of Instruction, Career Education (951) 639-5352
careereducation@msjc.edu

Menifee Valley Campus

(951) 672-MSJC (6752)
1-800-452-3335

Dean of Instruction, Career Education (951) 639-5352
careereducation@msjc.edu

Degrees/Certificates

Degrees

Non-Transfer Degree

- Water Technology, A.S. (<https://catalog.msjc.edu/instructional-programs/water-technology/water-technology-as/>)

Certificate

- Water Technology Certificate (<https://catalog.msjc.edu/instructional-programs/water-technology/water-technology-certificate/>)

Program 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.

Careers and Salaries

Discover in-demand careers and education options based on your interests! See the list of careers below or explore further by searching for Careers or Programs (<https://msjc.emsicc.com>).

Note: There are no guaranteed positions for students completing these programs. Education and work experience required will vary by employer. The salary and benefits for specific occupations will be dependent on work experience, education, background, and employer. Labor market statistics are from the Bureau of Labor Statistics, US Census Bureau, O-NET, EMSI.

Career/Industries	CA Annual Median Salary or Range	Employment Demand or Opening CA
Water & Wastewater Treatment Plant & Sys Operator (SM, C, A)	\$45,030-\$69,445	1,046
Environmental Science & Protection Technician (A, B)	\$32,614-\$56,454	658
Water Resource Specialist (B M, D)	\$80,925-\$130,450	867
Water/Wastewater Engineers (B, M, D)	\$62,927-\$101,982	618

(*degree required: SM some college, C: Certificate, A: Associate degree, B: Bachelor's degree, M: Master's degree, D: Doctorate*)