***Water Technology Certificate***

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 program emphasizes a real-world approach to diagnostic skill building and a thorough understanding of water system theory and operations.

***Please see a Pathways Counselor:*** Create an education plan customized to meet your needs. [Contact a Counselor](https://www.msjc.edu/hub/)

Transfer Majors/Award Focus

* Water Technology, A.S., Focus: Wastewater Treatment, Water Distribution, Water Treatment
* Water Technology Certificate

GE Pattern/Units

* GE Pattern: n/a
* Total Units: 18

**Program maps** indicate the major coursework and recommended general education courses to fulfill your degree in 2 years (approximately 15 units/semester or 30 units/year). Some of the courses listed may be substituted by another course. Please view these options in the official course [catalog](https://catalog.msjc.edu/instructional-programs/).

***Semester 1 9 Units***

|  |  |  |  |
| --- | --- | --- | --- |
| a | COURSE | TITLE | UNIT |
| c | WATR-790 or  WATR-795 | Basic Waterworks Mathematics  Wastewater Technology Mathematics | 2 |
| c | WATR-500 | Introduction to Water/Wastewater Operations | 1 |
| c | WATR-503 or  WATR-507 or  WATR-520 | Water Treatment Plant Operations I & II or  Water Distribution I & II or  Wastewater Treatment Plant Operations I & II | 3 |
| c | WATR-530 | Environmental Laws and Regulations | 3 |

***Semester 2 9 Units***

|  |  |  |  |
| --- | --- | --- | --- |
| a | COURSE | TITLE | UNIT |
| c | WATR-505 or  WATR-509 or  WATR-522 | Water Treatment Plant Operations III, IV & V or  Water Distribution III, IV & V or  Wastewater Plant Operations III, IV & V | 3 |
| c | WATR-525 | Test Procedures for Water and Wastewater | 3 |
| c | WATR-740 | Wells, Pumps and Motors | 3 |

Career Options

Water & Wastewater Treatment Plant & Sys Oper(SM, C, A)

Environmental Science & Protection Technician (A, B)

Water Resource Specialist (B M, D)

Find more careers: [msjc.emsicc.com](http://msjc.emsicc.com)

Required Education: SM: some college; C: Certificate; A: Associate, B: Bachelor’s, M: Master’s; D: Doctorate

Financial Aid

Financial aid is determined by the number of credit hours you take in a semester. Maximize your financial aid by taking 12-15 units per semester.

Apprenticeship Opportunity

The MSJC Apprenticeship Program offers students opportunities to advance in a career while they continue their education. Students receive paid on-the-job training and tuition-free education that directly supports their development in their profession.