

## *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](#)

### **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). <https://msjc-edu.zoom.us/j/99943943575> Some of the courses listed may be substituted by another course. Please view these options in the official course [catalog](#).

### **Semester 1**

**9 Units**

✓	COURSE	TITLE	UNIT
<input type="checkbox"/>	WATR-790 or WATR-795	Basic Waterworks Mathematics Wastewater Technology Mathematics	2
<input type="checkbox"/>	WATR-500	Introduction to Water/Wastewater Operations	1
<input type="checkbox"/>	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
<input type="checkbox"/>	WATR-530	Environmental Laws and Regulations	3

### **Semester 2**

**9 Units**

✓	COURSE	TITLE	UNIT
<input type="checkbox"/>	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
<input type="checkbox"/>	WATR-525	Test Procedures for Water and Wastewater	3
<input type="checkbox"/>	WATR-740	Wells, Pumps and Motors	3

### **Career Options**

Water & Wastewater Treatment Plant & Sys Operator (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.