

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). 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 Oper(SM, C, A)
 Environmental Science & Protection Technician (A, B)
 Water Resource Specialist (B M, D)
 Find more careers: 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.