

***Water Technology: Associate in Science – Non-Transfer***  
***Focus: Wastewater Treatment***

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: Option A
- Total Units: 62



**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). If you are a part-time student, start Semester 1 courses and follow the course sequence. Some of the courses listed may be substituted by another course. Please view these options in the official course [catalog](#).

**Semester 1**

**16 Units**

✓	COURSE	TITLE	UNIT
<input type="checkbox"/>	WATR-790	Basic Waterworks Mathematics	2
<input type="checkbox"/>	WATR-500	Introduction to Water/Wastewater Operations	1
<input type="checkbox"/>	GEOG 108	World Regional Geography	3
<input type="checkbox"/>	PHIL-105	Introduction to Ethics	3
<input type="checkbox"/>	CSCR-502	Personal Success Habits of Highly Effective People	3
<input type="checkbox"/>	ENGL-101	College Composition	4

**Semester 2**

**16 Units**

✓	COURSE	TITLE	UNIT
<input type="checkbox"/>	WATR-503	Water Treatment Plant Operations I & II	3
<input type="checkbox"/>	WATR-520	Wastewater Treatment Plant Operations I & II	3
<input type="checkbox"/>	PS-101	Introduction to American Government and Politics	3
<input type="checkbox"/>	COMM-103	Interpersonal Communication	3
<input type="checkbox"/>	MATH-105	College Algebra	4

**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.

**Semester 3****15 Units**

✓	COURSE	TITLE	UNIT
<input type="checkbox"/>	WATR-522	Wastewater Plant Operations III, IV & V	3
<input type="checkbox"/>	WATR-525	Test Procedures for Water and Wastewater	3
<input type="checkbox"/>	WATR-530	Environmental Laws and Regulations	3
<input type="checkbox"/>	GEOG-115	Introduction to Geographic Information Science	3
<input type="checkbox"/>	MGT-500	Introduction to Management	3

**Semester 4****15 Units**

✓	COURSE	TITLE	UNIT
<input type="checkbox"/>	BIOL-146 or BIOL-117	Biodiversity or Conservation Biology	3
<input type="checkbox"/>	GEOG-520	Intermediate Geographic Information Science	3
<input type="checkbox"/>	PS-110	Introduction to Public Administration	3
<input type="checkbox"/>	MGT-505	Organizational Behavior	3
<input type="checkbox"/>	MGT-770	Productivity Management	3

**Work Experience**

Sign up for a special project or internship opportunity. Gain [work experience](#) and earn credits.