

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: A local degree requires a minimum of 60 degree-applicable units with a minimum 2.0 GPA overall. [Contact a Counselor](#) to create an education plan customized to meet your needs.

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 ¹	4

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

Notes:


¹ AREA G (Math Competency) can be demonstrated by a high school math course at or above the level of Algebra 2 with a grade of C or better.

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"/> COMM-117	Organizational Communication	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.