

## WATER TECHNOLOGY PROGRAM OVERVIEW

It is estimated that within the next 5 years over 30% of water industry employees will retire. This looming exodus has prompted many public water agencies, private water utilities, and city water departments to begin apprenticeship and internship programs in an attempt to capture the knowledge and experience of long time water operators.

Becoming a **certified water operator** will enhance your opportunity in seeking employment in the exciting and well established field of potable water treatment and supply distribution. It will also enhance the promotional opportunities for those individuals already employed in the water industry.

**Entry-level-salary** for certified water operators typically range between **\$42,000 and \$52,000** annually. Additionally, Operators receive a generous benefits package that typically includes: pension plan, matching 401-K, medical insurance, dental insurance, life insurance, tuition reimbursement, and paid sick, vacation, and holiday leave.

## ACCREDITATION

The Water Technology Program at Mt. San Antonio College is an accredited and comprehensive water education program offering courses in water treatment, water distribution, and cross-connection control. The program is fully recognized by the State of California Water Resources Control Board (SWRCB).

## PROGRAM DESCRIPTION

This program is an intensive education for anyone seeking to enter the field of potable water treatment, water distribution, or cross connection control. Program courses provide the training required for employment at a municipal water district, private water utility, or city water department.

Upon completion of the program, students will have gained the knowledge necessary to successfully pass the SWRCB Water Treatment Operator Certification Exams (***T1-T3***), Water Distribution Operator Certification Exams (***D1-D3***), and Cross Connection Control Program Specialist and Tester Exams offered by the American Water Works Association (AWWA) and various County Health Departments.

The ***40-hour*** courses offered through this program satisfy the educational requirements of the SWRCB for both ***specialized training*** and ***continuing education training***.

Program courses include:

1. Introduction to Water Systems
2. Water Treatment
3. Water Distribution - Introduction to Water Resources
4. Water Distribution - Water Hydraulics and Water Management
5. Backflow Prevention Assembly Tester
6. Cross Connection Control Program Specialist

Depending on the level of certification being sought, students may take one or all of the courses offered through this program. The courses are typically offered during Fall and Spring semesters and periodically during

Summer and Winter intersessions.

Courses cover such topics as: water math and chemistry, laboratory procedures, water sources, groundwater and surface water supplies, reservoir management, water treatment plant processes, disinfection, Safe Drinking Water Act, corrosion control, iron and manganese control, fluoridation, water softening, C\*T concepts, distribution system hydraulics, water hammer, water sampling and bacteriological testing, water wells, cross connection control, backflow devices, water tanks, water meters, valves, pumps, motors, pipeline installation & repair, and safety procedures.

## EXAM REVIEW COURSES

Additionally, ***8-hour*** exam review courses are offered several weeks prior to the SWRCB and AWWA certification exams.

Exam review courses include:

1. T1-T2 Water Treatment Operator Exam Review Course
2. T3-T4 Water Treatment Operator Exam Review Course
3. D1-D2 Water Distribution Operator Exam Review Course
4. D3-D5 Water Distribution Operator Exam Review Course

Periodically, ***4 to 8-hour*** short courses are offered on special water treatment and water distribution topics for continuing education purposes. These short courses qualify as contact hours for operator certificate renewal.

# REGISTRATION PROCESS

To register for courses:

1. Go to:  
<http://communityed.mtsac.edu>
2. Click on: sign in
3. First time users must create a simple student profile
4. Click on: *courses*
5. Scroll down and click on: *Water Technology under Business and Professional Development*
6. Review current course offerings and course descriptions
7. Add courses to shopping cart and check out as directed

For questions regarding the Water Technology Program, or if you are having difficulty registering online, please contact the Continuing Education Division at (909) 274-4220

## REGISTRATION FEE

### Water Technology Program Courses

Registration fee per 40-hour course: **\$197**

An additional **\$20** material fee made payable to the instructor is required on the first day of class.

### Operator Exam Review Courses

Registration fee per 8-hour course: **\$97**

An additional **\$20** material fee made payable to the instructor is required on the first day of class.

**NOTE:** Classes fill up quickly so early registration is recommended.

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Continuing Education Division  
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# Water Technology Program

Mt. San Antonio College  
Continuing Education Division



**Water Treatment Operator**

**Water Distribution Operator**

**Cross Connection Control Specialist/Tester**

