

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.

Typical salaries for *entry-level* certified water operators range from **\$45,000 to \$55,000** annually. Additionally, water operators receive a generous benefits package that typically includes: retirement plan, matching 401-K, medical and 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 and accepted by the State of California Department of Public Health (CDPH).

PROGRAM DESCRIPTION

This program is an intensive education for anyone seeking to enter the field of potable water treatment, water supply 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 CDPH Water Treatment Operator Certification Exams (*T1-T3*), Water Distribution Operator Certification Exams (*D1-D3*), and Cross-Connection Control Certified 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 CDPH for both *specialized training* and *continuing education training*. Program courses include:

1. Introduction to Water Systems
2. Water Treatment
3. Water Distribution I
4. Water Distribution II
5. Cross Connection Control – Cert. Tester
6. Cross Connection Control – Cert. Specialist
7. Math for Water Operators

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 the fall and spring semesters, and periodically during summer and winter inter-sessions. The

courses cover such topics as: water math and chemistry, laboratory procedures, chemical storage and handling, water sources, surface water and groundwater supplies, source water contamination, 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 sampling and bacteriological testing, water wells, cross-connection control, backflow devices, water tanks, water meters, valves, pumps, motors, pipeline installation and operation, pipeline repair, and safety procedures.

EXAM REVIEW COURSES

Additionally, *8-hour* exam review courses are offered several weeks prior to the State of California Department of Public Health 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
5. Cross Connection Control Backflow Tester Exam Review Course
6. Water Treatment Exam Math Review Course (*T1-T2*)
7. Water Distribution Exam Math Review Course (*D1-D2*)

Periodically, *4 to 8-hour* short courses are offered for continuing education purposes. These courses qualify as contact hours for operator certificate renewal.

REGISTRATION PROCESS

To register for courses:

1. Go to on the web:
<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 course offerings for current semester and course descriptions
7. Add courses to your 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: \$177

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

Water Operator Exam Review Courses

Registration fee per **8-hour** course: \$77

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

Short Courses

Registration fee per **4-hour** course: \$47

Registration fee per **8-hour** course: \$77

A \$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 highly recommended.

Mt. San Antonio College
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
Tester/Specialist**

