

# A.S. IN WATER TECHNOLOGY

This program is designed to prepare students who wish to seek employment in the public water supply industry or qualify for a more responsible position within the industry. These courses will be helpful to students who wish to prepare for the T1, T2, T3, T4 and T5 Water Treatment Operator and D1, D2, D3, D4, and D5 Water Distribution Operator certification examinations given by the California Public Health Department. Coursework also provides contact hours for Operator certification maintenance requirements.

Code	Title	Units
WATR 164	Water Use Efficiency II	3
<b>Total Units</b>		<b>18</b>

## Career Information

### Career Opportunities

There are a variety of careers you can do with this major.

To explore more about this major, schedule an appointment (<https://www.citruscollege.edu/stdntsrvc/ctcenter/Pages/ApptSchedule.aspx>) with a career counselor.

## Learning Outcomes

### A.S. Degree Level Student Learning Outcomes

Students completing the Water Technology A.S. Degree will:

1. Demonstrate the safe handling of chemicals used in the Water industry and describe the Occupational Safety and Health Administration (OSHA) regulations related to public drinking water.
2. Describe and explain regulatory issues that relate to the public drinking water supply.
3. Diagram and explain the fundamentals of the water distribution system including SCADA (supervisory control and data acquisition), maintenance, pumps, hydraulics, and valves.
4. Given a scenario involving water contamination; identify the contaminants, recommend the best treatment, administer the treatment and then verify the contaminants are below allowable safety thresholds.

## Requirements

This degree requires meeting the Citrus College General Education and proficiency requirements combined with successful completion (grades of "C" and above) of the following major requirements:

Code	Title	Units
<b>Required courses:</b>		
WATR 150	Introduction to Water Systems	3
WATR 151	Water Resources and Distribution I	3
WATR 153	Water Resources and Distribution II	3
WATR 156	Water Treatment I	3
WATR 157	Water Treatment II	3
<b>Select one (1) of the following courses:</b>		
BIOL 145	Environmental Science	3
PUB 155	Public Works Construction Inspection	3
PUB 160	Public Administration	3
PUB 161	California Occupational Safety and Health	3
PUB 166	Supervision in Public Works	3
WATR 162	Water Use Efficiency I	3