

# WATER SUPPLY TECHNOLOGY CERTIFICATE OF ACHIEVEMENT

The Water Supply Technology Certificate is designed to prepare students with the necessary knowledge and skills to obtain entry-level employment in the water supply, delivery, and treatment operations. [The Water Supply Technology Certificate should not be confused with certification issued by the State Water Resources Control Board, California Water Environment Association (CWEA), or the American Water Works Association (AWWA). Certification by the State of California requires the qualified individual to: 1) pass an examination administered by the State Water Resources Control Board, California Water Environment Association (CWEA), or American Water Works Association (AWWA); 2) meet the experience and/or educational minimum requirements; 3) and, submit a certification application with the applicable fee.

Code	Title	Units
<b>Required Courses:</b>		
CIT 031	Business English	3
WST 075	Water/Wastewater Chemistry and Analysis	4
WST 052	Water Technology Math	3
or WST 053	Wastewater Technology Math	
<b>Six courses from the following:</b>		
WST 031	Water Use Efficiency Practitioner I	3
WST 034	Introduction to Water Resource Management	3
WST 037	Environmental Laws and Regulations	3
WST 038	Geographic Information Systems (GIS) in Water Resources	3
WST 045	Backflow Prevention Devices	3
WST 048	Cross-Connection Control	3
WST 061	Water Distribution I	3
WST 062	Water Distribution II	3
WST 071	Water Treatment I	3
WST 072	Water Treatment II	3
WST 081	Wastewater Collection I	3
WST 082	Wastewater Collection II	3
WST 086	Electrical Instrumentation for Water and Wastewater Operations	3
WST 091	Wastewater Treatment I	3
WST 092	Wastewater Treatment II	3
<b>Total Units</b>		<b>28</b>

Code	Title	Units
<b>Recommended Courses:</b>		
CIT 101	Introduction to Computer Literacy	3
WST 098	Water Supply Technology Work Experience	1-4

*Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.*

***This is a Gainful Employment Program***

## Program Learning Outcomes

At the completion of this program, students will be able to:

- Have knowledge of fundamental aspects of water resource management, conservation, distribution, treatment, collection, recycle, and disposal operations.
- Perform tasks in connection with the operation, control, and maintenance of water and sanitation systems.
- Demonstrate effective oral and written communication skills and apply these tools in a regulatory context (i.e. public health protection).