

PROTECTING PUBLIC HEALTH

The Water Science program provides students with the technical training they need to pursue a career in the municipal potable water and wastewater industries.

Waterworks operators protect public health by ensuring that plant operations comply with state and federally mandated drinking water and wastewater disposal standards.

Students seeking an Associate's Degree in Water Science may choose the WATER option to prepare them for a career in potable water treatment or the WASTEWATER option to prepare them for a career in wastewater sanitation. Regardless of the option chosen, both paths lead to rewarding careers protecting the health of both the community and the environment at local, state, and federal levels.



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VENTURA COLLEGE

WATER SCIENCE PROGRAM



SET YOUR COURSE



WHAT IS WATER SCIENCE?

The Water Science program at Ventura College teaches students about the technical concepts underlying the water industry. Students learn to analyze water chemistry, evaluate sources of contamination, design water delivery and treatment systems, and examine environmental issues related to domestic water use. Courses in the Water Science program are applicable towards licensure, continuing education credits, and may be used by students seeking quality employment opportunities.

The DAVINCI Code:

*Water is the driving
force of all nature.*

~ Leonardo da Vinci, 1485

WHY THIS PROGRAM?

Water Science is a true profession in the public health sector. Just like Doctors and Nurses, you attend college, obtain your degree, take your state exams, obtain your license and begin practice. The Ventura College Water Science program is the largest in the state:

- 12 separate courses
- 2 Certificates of Achievement
- 2 Associate of Science Degrees
- Preparation for 5 different licenses.



ASSOCIATE IN SCIENCE DEGREE
CERTIFICATE OF ACHIEVEMENT

WATER SCIENCE

REQUIRED COURSES	UNITS
WS V15 Water Systems Instrumentation and Controls	3
WS V16 Water Quality Protection and Cross-Connection Control	3
WS V17 Water and Wastewater Hydraulics	3
WS V18 Motors and Pumps Maintenance and Operation	3
WS V21 Water Chemistry and Bacteriology	4
WS V25 Water and Wastewater Management	3

REQUIRED ADDITIONAL COURSES FOR OPTION:

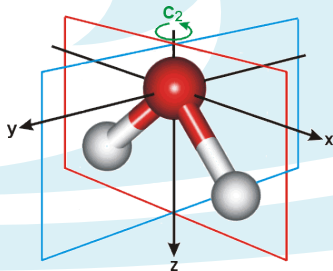
Students will select one (1) of the following options and complete all courses listed:

WASTEWATER OPTION:

WS V10 Basic Water and Wastewater Systems	3
WS V12 Wastewater Treatment	3
WS V13 Wastewater Collection	3

WATER OPTION:

WS V11 Water Treatment	3
WS V14 Water Distribution	3
WS V19 Advanced Water Treatment	3
TOTAL	28



RECOMMENDED COURSES

In addition to the required courses listed here, it is recommended that students who seek to obtain additional insight into this field of study consider taking one or more of the following courses in:

- **Blueprint Reading: Architectural/Construction**
- **Blueprint Reading: Manufacturing**
- **Elementary Chemistry**
- **English Composition**
- **Intermediate Algebra**
- **General Physics I**

7,500 TO 10,000 JOBS IN
CALIFORNIA!

Water is the very essence of life itself.

The Mars Rover is at this very minute searching the surface of Mars for traces of water. Where there is water, there is the possibility of life. They NEVER close down water plants. There are no layoffs because of slow business. Water and wastewater operations are 24/7. In America, the current workforce is rapidly approaching retirement age. The job opportunities are huge all over the United States and especially here in California. This is the perfect time to begin your career in the water industry. Starting salaries are anywhere from \$45,000 to \$75,000, dependent upon your location within California.

