



Wayne
County
Community
College
District

Water and Environmental Technology

PAY

The median annual wage for water and wastewater treatment plant and system operators was \$44,790 in May 2015.

JOB OUTLOOK

Employment of water and wastewater treatment plant and system operators is projected to grow 6 percent from 2014 to 2024, about as fast as the average for all occupations. Job prospects are expected to be excellent.

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, 2016-17 Edition, Water and Wastewater Treatment Plant and System Operators, on the Internet at <http://www.bls.gov/ooh/production/water-and-wastewater-treatment-plant-and-system-operators.htm>

ABOUT THE PROGRAM

The Water and Environmental Technology (WET) College Certificate Program offers the intellectual exposure and on-the-job experience, required to operate and manage a wide range of water treatment technologies. The program recognizes that the efficient application of water treatment technologies is essential for the survival of earth's population and ecosystems, and that the technologist is largely responsible for the day-to-day compliance with treatment requirements. WET students study water and wastewater treatment processes, and are introduced to topics that include water chemistry, microbiology, toxicity and pollution prevention. Coursework and hands-on experience in utility equipment maintenance completes the technical program. Completion of the program will help prepare graduates to write the entry level water and wastewater certification examinations administered by the Michigan Department of Environmental Quality.



WHAT DO WATER AND ENVIRONMENTAL TECHNICIANS DO?

Water and wastewater treatment plant and system operators manage a system of machines, often through the use of control boards, to transfer or treat water or wastewater.

WHERE DO THEY WORK?

Water and wastewater treatment plant and system operators usually work for public water departments or for a privately held corporation that contracts water and wastewater services. Most operators work full time.

**Wayne County Community College District....
Jobs for Today, Jobs for the Future!**

**FOR MORE INFORMATION, CALL 313-496-2600
OR VISIT OUR WEBSITE AT WWW.WCCCD.EDU**



Recommended Sequence of Courses

Water and Environmental Technology: College Certificate

CR. No.	COURSE TITLE	CREDITS
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SEMESTER 1

CHM 105	Introduction to Chemistry	3
MAT 121	Technical Math	3
WET 101	Water Treatment Technologies	3
WET 102	Waste Water Treatment Technologies	3

SEMESTER TOTAL12

SEMESTER 2

BUS 225	Computer Applications in Business	3
WET 210	Advanced Waste Water Treatment Technologies	3
WET 212	Advanced Water Treatment Technologies	3
WET 215	Water Quality Analysis and WET Instrumentation	3

SEMESTER TOTAL12

SEMESTER 3

WET 220	Water Quality Analysis and Microbiology	3
WET 224	Water/Waste Water Utility Equipment Maintenance	2
WET 265	Practicum	3

SEMESTER TOTAL8

CERTIFICATE TOTAL32

Note: Certificate total hours may not include prerequisites.

