

WATER QUALITY TECHNICIAN

environmentalist

troubleshooter

analyst

chemist

Water Quality Technician

Associate Degree: 10-527-2

Campus: Online

Description

Moraine Park's Water Quality Technician program provides students with the skills and training to perform testing, analysis and treatment to community and industrial water supplies. Water Quality Technicians are responsible for ensuring that the water we use is safe and that discharge water is processed effectively. Their work combines the precision and accuracy found in the biochemical laboratory with operational aptitude and trouble-shooting skills. Each day, municipalities and industries generate billions of gallons of wastewater that must be collected, analyzed and treated.

This associate degree offers targeted instruction and practical experience through online Internet-based courses and an on-the-job internship. Geographical location of the student does not matter, as long as the student can access the Internet. Completion of the degree can occur from anywhere on the globe.

Program Outcomes

- Modify an operational procedure at a water treatment facility.
- Modify an operational procedure at a waste treatment facility.
- Modify a maintenance program for a water treatment facility.
- Modify a maintenance program for a waste treatment facility.
- Determine flow in a hydraulic design.
- Design an industrial waste treatment strategy.

Career Opportunities

- Lab Technician
- Industrial Waste Technician
- Water Plant Operator
- Wastewater Systems Technician
- Manufacturer's Representative (water treatment equipment)

Admission Process

- Submit the college admission application.
- Submit the \$30 one-time fee.
- Submit high school/other college transcripts.
- Take the college placement assessment (ACCUPLACER, ACT or other).
- Meet with an admissions specialist.
- Check with Admissions if any additional steps are required.

Note: Students who, due to location, cannot come to the campus to complete the placement test or admissions meeting can call for other accommodation options.

For information on how **program credits transfer** to a four-year college, please visit us at www.morainepark.edu/academics/transfer.

Water Quality Technician

2007-2008 Curriculum

Course Number	Course Title	Credits
Technical Studies Courses		
103-165	Exploring the Internet With Client Software	1
196-191	Supervision	3
527-100	Introduction to Treatment Processes	3
527-103	Treatment Processes 1	3
527-105	Treatment Processes 2	4
527-108	Treatment Plant Instrumentation	3
527-111	Water Chemistry	4
527-120	Hydraulics of Water and Wastewater	4
527-125	Industrial Wastes	3
527-130	Water Supply	3
527-131	Water Supply 2	3
527-135	Process Equipment Maintenance	3
527-171	Water Quality Internship	3
General Studies Courses		
801-195	Written Communication	3
801-196	Oral and Interpersonal Communication (or)	3
801-197	Technical Reporting	
804-106	Introduction to College Mathematics	3
809-166	Introduction to Ethics: Theory and Application	3
809-195	Economics	3
809-196	Introduction to Sociology	3
809-198	Introduction to Psychology (or)	3
809-199	Psychology of Human Relations	
Students must choose an additional six credits of electives.		<u>6</u>
Total		67

A Water Quality Technician Exit Assessment (997-152) is a graduation requirement for this program.

Institutional Requirements

Student Success (890-125) - take **first** semester

Computer Literacy (103-159)/Advanced Standing/Proficiency Exam Available - take **first** semester

Career Development (890-130) - take **last** semester

For course descriptions, please visit our Web site at www.morainepark.edu.