

WATER QUALITY TECHNOLOGY

Program Number: 10-527-2

Associate of Applied Science Degree

Campus: Online

This program is eligible for financial aid (<http://www.morainepark.edu/financial-aid/>)

Receive top-of-the-line education and training needed to become a water technology expert through the Water Quality Technology program at Moraine Park.

About the Program

Water quality issues are continuing to increase in the country—and so are career opportunities in the water technology industry. Moraine Park's Water Quality Technology program prepares students for a rewarding technical career through hands-on training and industry expertise.

What You'll Learn

Through targeted instruction and an on-the-job internship, students learn how to test, analyze and improve operational procedures at water treatment facilities. Students unable to secure an internship will have opportunities to do a research project. The online Water Quality Technology program gives students confidence to determine and employ optimization strategies for water treatment processes.

Transfer Opportunities

Earn credits at MPTC and transfer to a four-year college to earn your bachelor's degree.

Visit the Transfer to a Four-Year College (<https://www.morainepark.edu/academics/transfer-information/transfer-to-a-four-year-college/>) page for more information on credit transfer agreements between Moraine Park and four-year colleges, both public and private.

Additional Information

Graduates are strongly encouraged to pursue obtaining a Commercial Driver's License (CDL).

Admission Process

Standard Admissions (<http://www.morainepark.edu/admissions/new-student/how-to-apply-for-admissions/>) steps details

Credit for Prior Learning

Earn college credit outside the classroom through Moraine Park's Credit for Prior Learning (CPL) opportunities. Credit opportunities are available for:

- Previous college coursework from prior institutions
- Military training and experience
- Passing of MPTC or national exams
- Skills or knowledge developed on the job or through other life experiences

Visit MPTC's Credit for Prior Learning (<https://www.morainepark.edu/academics/transfer-information/credit-for-prior-learning/>) page for more information.

Approximate Costs

Tuition

Occupational

- \$146.20 per credit (resident)
- \$219.30 per credit (out-of-state resident)

Associate of Arts/Associate of Science

- \$188.90 per credit (resident)
- \$283.35 per credit (out-of-state resident)

Online students are not charged out-of-state fees.

Student Fees

- \$4.50 minimum per course Material Fee
- \$12.50 per-credit Supplemental Fee for Undergraduate courses
- \$10 minimum per credit Online Course Fee (Fee suspended for 2023-2024)
- \$4.50 per term mandatory Student Accident Insurance Fee

Please refer to Tuition & Fee Information (<https://catalog.morainepark.edu/admissions-registration/tuition-fee-information/>) for additional enrollment fee information.

Financial Aid

Financial Aid is available for associate degree and technical diploma programs (those that are 2 semesters in length and typically with 28 credits or more). Processing can take 4-5 weeks after a student's completed Free Application for Federal Student Aid (FAFSA (<https://studentaid.gov/h/apply-for-aid/fafsa/>)) is received. Visit the Financial Aid (<https://www.morainepark.edu/pay-for-college/financial-aid/>) page to learn more.

While attending Moraine Park during the 2023-24 school year, your estimated cost of attendance for one full year includes tuition of \$4,375 (15 credits for fall and spring semester), fees of \$338, food and housing of \$4,052 (if living with parents, \$9,614 if living on your own), books and supplies of \$2,061, personal expenses of \$2,245, and transportation of \$2,007 for a total of \$15,161. Your direct costs (those costs paid directly to the college) include tuition & fees. The indirect costs (costs not paid to the college) can vary from individual to individual and your own personal needs.

Course Requirements

Course	Title	Credits
Semester 1		
103-159	Computer Literacy - Microsoft Office	1
527-100	Introduction to Wastewater Treatment	3
527-130	Groundwater Supply and Distribution	3
801-136	English Composition 1	3
804-107	College Mathematics	3
890-101	College 101	2
Credits		15
Semester 2		
527-103	Conventional Wastewater Treatment	3

527-111	Water Chemistry	4
527-131	Surface Water Supply and Treatment	3
Communication Course (https://catalog.morainepark.edu/academic-programming/general-education/communications/)		3
Social Science Course (https://catalog.morainepark.edu/academic-programming/general-education/behavioral-social-science/)		3
Credits		16
Semester 3		
527-105	Advanced Wastewater Treatment Processes	4
527-120	Hydraulics of Water and Wastewater	3
527-129	Utility Management	3
527-136	Equipment Maintenance and Instrumentation	4
Behavioral Science Course (https://catalog.morainepark.edu/academic-programming/general-education/behavioral-social-science/)		3
Credits		17
Semester 4		
527-125	Industrial Wastes	3
527-150	Advanced Water Treatment	3
527-171 or 527-173	Water Quality Internship or Water Quality Research	3
809-195	Economics	3
Credits		12
Required Elective Credits		
Required Elective Credits (can be taken any semester)		3
Credits		3
Total Credits		63

- Water Plant Operator
- Water Treatment Equipment Sales Representative

Statewide Median Salary for Recent Graduates

\$55,585

Program Outcomes

- Analyze and improve operational procedures at water and wastewater treatment facilities
- Test, analyze and treat community and industrial water supplies and wastewater
- Analyze and improve equipment maintenance programs for water treatment and wastewater treatment facilities
- Determine flow rate in hydraulic designs to control treatment processes and treatment facilities
- Determine industrial waste treatment strategies to minimize impact of waste streams
- Determine and employ optimization strategies for water treatment and wastewater treatment processes and treatment facilities

Program Opportunities

Moraine Park offers courses and seminars to help students prepare for various Department of Natural Resources certification exams and also offers continuing education courses to maintain certification. These courses are scheduled throughout the year at various locations within Wisconsin.

Visit the Wisconsin Water Operator Certification Training course page (<http://www.morainepark.edu/academics/continuing-education/licensure-and-certificates/water-wastewater-courses-and-certification/wisconsin-water-operator-certification-training-courses/>) for more information.

Career Opportunities

- Environmental Technician
- Field Service Technician
- Industrial Waste Technician
- Wastewater System Technician