

WASTEWATER TREATMENT PLANT OPERATOR APPRENTICESHIP

Program Number: 50-527-1

Apprenticeship

Campus: Online

This program is **not** eligible for financial aid

Learn the skills needed to become an effective wastewater operator through the three-year Wastewater Treatment Plant Operator Apprenticeship at Moraine Park.

About the Program

Whether you have the mechanical aptitude or are a problem-solving guru, Moraine Park's Wastewater Treatment Plant Operator Apprenticeship is designed to turn students into effective wastewater operators that the complex water industry needs. This three-year program will cover everything required to successfully prepare students for wastewater jobs. Students can take their education to the next level by earning advanced certifications in the trade.

What You'll Learn

Students will learn how to monitor, maintain and adjust a wide variety of systems found in wastewater treatment plants through hands-on learning and on-the-job training. Classes, which are taught by highly skilled instructors who work in the field, teach students how to adjust sludge thickness on flotation thickeners and collect various samples.

Additional Information

Learn more at www.wisconsinapprenticeship.org (<http://www.wisconsinapprenticeship.org>)

Application Information

For apprenticeship application information, please contact a Bureau of Apprenticeship Standards Representative at 262-335-5849.

Application Requirements

Applicants should be 18 years of age and submit an apprentice and employer application to their Bureau of Apprenticeship Standards Representative. See representative information.

Admission Process

Apprentice students do not complete standard admissions with Moraine Park. Interested students should contact:

Tim Budda, Apprenticeship Training Representative

Phone: 262-335-5849

Email: timothy.budda@dwd.wisconsin.gov

Approximate Costs

- \$141.00 per credit (resident)
- \$211.50 per credit (out-of-state resident)
- Online students are not charged out-of-state fees.

- Please refer to the MPTC Student Handbook (<http://www.morainepark.edu/studenthandbook/>) for additional enrollment fee information.

Training Period

The Wastewater Treatment Plant Operator Apprenticeship consists of approximately three years, including approximately 5,568 hours of on-the-job learning and 432 hours of paid related instruction.

Working Conditions

Wastewater operators require a moderate level of physical strength. They must frequently stand for long periods in uncomfortable positions. Since much of their work is outdoors, wastewater operators are exposed to various weather conditions.

Course Requirements

Course	Title	Credits
Semester 1		
527-100	Introduction to Wastewater Treatment	3
804-107	College Mathematics	3
Credits		6
Semester 2		
527-103	Conventional Wastewater Treatment	3
527-111	Water Chemistry	4
Credits		7
Semester 3		
527-105	Advanced Wastewater Treatment Processes	4
527-120	Hydraulics of Water and Wastewater	3
527-136	Equipment Maintenance and Instrumentation	4
Credits		11
Total Credits		24

This apprenticeship program requires Related Electives. Please contact your Apprenticeship Coordinator for courses.

Program Outcomes

- Operate pre-treatment and collection systems.
- Manage wastewater treatment plant processes.
- Operate wastewater treatment plant facilities and equipment.
- Maintain wastewater treatment plant equipment and technology.
- Manage wastewater treatment plant bio-solids programs.
- Communicate plant and wastewater treatment specific information effectively.
- Promote a safe work environment for self and others.
- Perform management related duties based on need.
- Manage laboratory testing, equipment, and reporting.
- Utilize computers and wastewater treatment technologies.
- Comply with wastewater treatment regulations.

Career Opportunities

- Wastewater Plant Operator
- Wastewater Treatment Equipment Sales Representative
- Environmental Technician
- Wastewater System Technician

- Field Service Technician
- Industrial Waste Technician