

# 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) (<http://www.wisconsinapprenticeship.org>)

## Application Information

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](mailto:timothy.budda@dwd.wisconsin.gov)

## 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.

## 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.

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

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