

Environmental Health and Water Quality Technology

PROGRAM CODE: 10-506-1



Associate Degree

**Location:** Mequon Campus**Start Dates:** August and January**Admission Requirement:** High school diploma or equivalent**Academic Preparedness Requirement:** One semester of high school algebra**Financial Aid Eligible:** Yes. Use code 003866 at fafsa.gov.

Program Description

This program promotes environmental protection, improvement and sustainability, with a focus on protecting our water, food and the environment. Hands-on coursework includes principles and techniques used to assess water, food and the environment to meet applicable regulations and to implement needed corrective measures. Students use field projects and internships to further develop the skills and abilities necessary for careers in these fields. Graduates will possess a solid foundation for a wide range of environmental and public health career opportunities.

Career Outlook

There is a steady need for essential workers, technicians and specialists in water and air quality, food safety, field monitoring and other related environmental careers.

Program Learning Outcomes

- Evaluate environmental health hazards (air, food, water, soil, etc.).
- Conduct both field and lab environmental sampling/monitoring according to regulatory requirements and guidelines.

**Complete Program Details****QUESTIONS?** 414-570-4426 or servepathway@matc.edu

COURSES

CREDITS

ENG-195	Written Communication ‡ ^ 3 (or) ENG-201 English 1 ‡
ENVHEL-101	Introduction to Environmental Health/Water Quality ^ 3
ENVHEL-102	Environmental Biology 4
ENVHEL-109	Applied Environmental Chemistry ^ 4
MATH-107	College Mathematics ‡ ^ 3 (or) Any 200-level MATH course
ENG-197	Technical Reporting ‡ 3 (or) Any 200-level ENG
ENVHEL-142	Principles of Water Resources ^ 3
ENVHEL-145	Water/Wastewater Operations – Municipal 3
ENVHEL-173	Environmental Bacteriology 3
PSYCH-199	Psychology of Human Relations 3 (or) Any 200-level PSYCH course
ECON-195	Economics 3 (or) Any 200-level ECON course
ENVHEL-104	Industrial Hygiene Technology ‡ 4
ENVHEL-111	Applied Water Chemistry and Analysis ‡ 4
ENVHEL-115	Air Quality ‡ 4
ENVHEL-147	Water/Wastewater Operations – Industrial ‡ 3
ENVHEL-105	Fundamentals of Hazardous Materials Control ‡ 4
ENVHEL-119	Food and Dairy Safety ‡ 3
ENVHEL-127	Environmental Field Projects ‡ 3
ENVHEL-128	Environmental Health Internship ‡ 1
ENVHEL-143	Environmental Management and Communication Skills ‡ 3

CREDITS

Total credits needed to complete this degree

64

‡ Prerequisite required.

^ Counts toward earning the Water Technician certificate.

Program curriculum requirements are subject to change.

Current MATC students should consult their Academic Program Plan for specific curriculum requirements.

MATC courses are offered in person, entirely online or partially online.

Check each course's delivery options in Self-Service at selfservice.matc.edu.