



Environmental Health and Water Quality Technology

ASSOCIATE DEGREE

Program Code: 10-506-1

Mequon Campus

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.

You can earn the Water Technician certificate on your way to completing this associate degree.

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

(For full description, see matc.edu.)

Admission Requirements

- A high school diploma or GED
- One semester of high school algebra



Community & Human Services
MILWAUKEE AREA Technical College

matc.edu | 414-297-MATC

Start dates: August and January

For complete information, go to
matc.edu/course-catalog/community-human-services

To apply for financial aid, visit fafsa.gov School Code: 003866

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 or SPEECH course
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-146	Water/Wastewater Operations – Industrial ‡ 2
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	Interpersonal Communication Skills and Environmental Management ‡ 3

TOTAL CREDITS: 63

‡ Prerequisite required.

^ Counts toward earning the Water Technician certificate.

Contact program instructor if you would like more information about this program.

Program curriculum requirements are subject to change.

This Associate in Applied Science program will transfer to one or more four-year institutions.

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

Possible Careers

- Water Treatment Operator
- Food Quality and Safety Inspector
- Environmental Technician
- Water Reclamation Operator
- Environmental Health Specialist
- Field Monitoring/Sampling Technician
- Environmental Lab Technician
- Quality Assurance Specialist
- Air Monitoring Technician
- Environmental Health and Safety Technician

Related Program

- Water Technician



10% Post Consumer Recycled



matc.edu or 414-297-MATC
 Wisconsin Relay System 711

Downtown Milwaukee Campus

700 West State Street

Mequon Campus

5555 West Highland Road

Oak Creek Campus

6665 South Howell Avenue

West Allis Campus

1200 South 71st Street

MATC Education Center at Walker's Square

816 West National Avenue, Milwaukee