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 air resources. Hands-on coursework includes techniques used to determine water, food, and air quality along with implementing needed corrective actions. Graduates will have a solid foundation for a range of career opportunities that include the application of regulations and procedures to identify, evaluate, and control hazards.

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
• Perform corrective actions to remediate environmental health hazards
• Communicate measures for the prevention of environmental health hazards
• Develop environmental technical records and reports
• Perform safe work practices

Admission Requirements
• A high school diploma or GED
• One semester of high school-level algebra

Start dates: August and January
### TECHNICAL STUDIES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVHEL-101</td>
<td>Introduction to Environmental Health and Water Quality</td>
<td>3</td>
</tr>
<tr>
<td>ENVHEL-102</td>
<td>Environmental Biology</td>
<td>4</td>
</tr>
<tr>
<td>ENVHEL-109</td>
<td>Applied Environmental Chemistry ^</td>
<td>4</td>
</tr>
<tr>
<td>ENVHEL-142</td>
<td>Principles of Water Resources</td>
<td>3</td>
</tr>
<tr>
<td>ENVHEL-145</td>
<td>Water/Wastewater Operations – Municipal</td>
<td>3</td>
</tr>
<tr>
<td>ENVHEL-173</td>
<td>Environmental Bacteriology</td>
<td>3</td>
</tr>
<tr>
<td>ENVHEL-104</td>
<td>Industrial Hygiene Technology ‡</td>
<td>4</td>
</tr>
<tr>
<td>ENVHEL-111</td>
<td>Applied Water Chemistry and Analysis ‡</td>
<td>4</td>
</tr>
<tr>
<td>ENVHEL-115</td>
<td>Air Pollution Technology ‡</td>
<td>4</td>
</tr>
<tr>
<td>ENVHEL-146</td>
<td>Water/Wastewater Operations – Industrial ‡</td>
<td>2</td>
</tr>
<tr>
<td>ENVHEL-105</td>
<td>Fundamentals of Hazardous Materials Control ‡</td>
<td>4</td>
</tr>
<tr>
<td>ENVHEL-119</td>
<td>Food and Dairy Quality Control ‡</td>
<td>3</td>
</tr>
<tr>
<td>ENVHEL-126</td>
<td>Environmental Lab Projects ‡</td>
<td>3</td>
</tr>
<tr>
<td>ENVHEL-127</td>
<td>Environmental Field Projects ‡</td>
<td>3</td>
</tr>
<tr>
<td>ENVHEL-143</td>
<td>Interpersonal Communication Skills and Environmental Management ‡</td>
<td>3</td>
</tr>
</tbody>
</table>

### GENERAL STUDIES

- **ENG-151**: Communication Skills 1 ‡ ^ ................................ 3
- **ENG-152**: Communication Skills 2 ‡ .................................. 3
  *(or)* ENG-201‡ and any 200-series ENG or SPEECH course
- **MATH-107**: College Mathematics ‡ ^ .................................. 3
  *(or)* Any 200-series MATH course
- **PSYCH-199**: Psychology of Human Relations .......................... 3
  *(or)* Any 200-series PSYCH course
- **SOCSCI-197**: Contemporary American Society .......................... 3
  *(or)* Any 200-series SOCSCI or HIST course

**TOTAL CREDITS: 65**

* ‡ 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.

---

For complete information, go to matc.edu/business

To apply for financial aid, visit fafsa.gov

School Code: 003866

**Possible Careers**

- Water Treatment Operator
- Food Quality and Safety Inspector
- Environmental Technician
- Water Reclamation Operator
- Environmental Health Specialist

**Related Program**

- Water Technician

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

---

MATC is an Affirmative Action/Equal Opportunity Institution and complies with all requirements of the Americans With Disabilities Act. MATC is accredited by the Higher Learning Commission, Commission on Institutions of Higher Education, the national standard in accrediting colleges and schools for distinction in academics and student services. REV 2019/20