



There is a huge job market that comes with this associate degree. There are jobs available for me once I graduate.

- Jacob Holcomb, NMC student, Water Quality & Environmental Technology



WATER QUALITY & ENVIRONMENTAL TECHNOLOGY

PART OF THE
Great Lakes Water Studies Institute



Northwestern Michigan College

WATER QUALITY & ENVIRONMENTAL TECHNOLOGY

ASSOCIATE IN APPLIED SCIENCE, WATER QUALITY AND ENVIRONMENTAL TECHNOLOGY

YEAR 1

	COURSE	TITLE	CREDITS
FALL	ENG 111	English Composition	4
	GEO 115	Introduction to GIS	3
	MTH 121 or MTH 131	College Algebra or Intro to Prob & Stats	3-4
	WSI 106	Introduction to Water Quality	3
CREDITS			13-14

SPRING	CHM 101 or CHM 150	Introductory Chemistry or General Chemistry I	4
	CHM 101L or CHM 150L	Introductory Chemistry Lab or General Chemistry I Lab	0
	ENG 220	Technical Writing	3
	ENV 111	Physical Geology	4
	ENV 111L	Physical Geology Lab	0
	WSI 110	OSHA HAZWOPER 40 hour	3
	WSI 150	Introduction to Site Assessment and Remediation	3
CREDITS			17

SUMMER	WSI 290	Internship	1-3
CREDITS			1-3

YEAR 2

	COURSE	TITLE	CREDITS
FALL	BIO 110 or BIO 115	Essential Biology or General Biology I	4
	BIO 110L or BIO 115L	Essential Biology Lab or General Biology I Lab	0
	DD 170	CADD/Computer Modeling	4
	EET 103	Electrical Studies I	3
	WSI 250	Groundwater Monitoring and Aquifer Sampling	4
	CREDITS		

SPRING	Approved Elective		3-4
	Approved Elective		3-4
	Group I Humanities		3-4
	UAS 121	UAS Applications in Surveying	3
CREDITS			12-15

TOTAL CREDITS			60-64
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GENERAL EDUCATION

- English Composition
- Technical Writing
- Algebra or Statistics
- Biology
- Chemistry
- Physical Geology
- Humanities

CORE COURSES

- OSHA HAZWOPER (40 hour course)
- Intro to Site Assessment & Remediation
- Groundwater Monitoring and Aquifer Sampling
- Internship

TECHNICAL COMPETENCIES

- Intro to GIS
- CADD/Computer Modeling
- Intro to Field Surveying
- Electrical Studies
- Intro to Water Quality
- UAS/Drone Surveying



Start your journey today!

Northwestern Michigan College
1701 E. Front Street, Traverse City, MI
Admissions: (231) 995-1054
admissions@nmc.edu

Great Lakes Water Studies Institute
(231) 995-3333 | glwsi@nmc.edu
nmc.edu/wet-tech



ASSOCIATE IN APPLIED SCIENCE, WATER QUALITY AND ENVIRONMENTAL TECHNOLOGY

Dig into a rewarding career focused on groundwater!

On Lake Michigan in the heart of Traverse City, MI



YOUR PATHWAY to a successful career.



Join NMC's Water Quality & Environmental Technology program and become a leader in cleaning up our most precious resource: water.

Gain the skills to restore and remediate contaminated groundwater and environmental sites across Michigan, the Great Lakes region, and beyond!



Associate in Applied Science, Water Quality and Environmental Technology

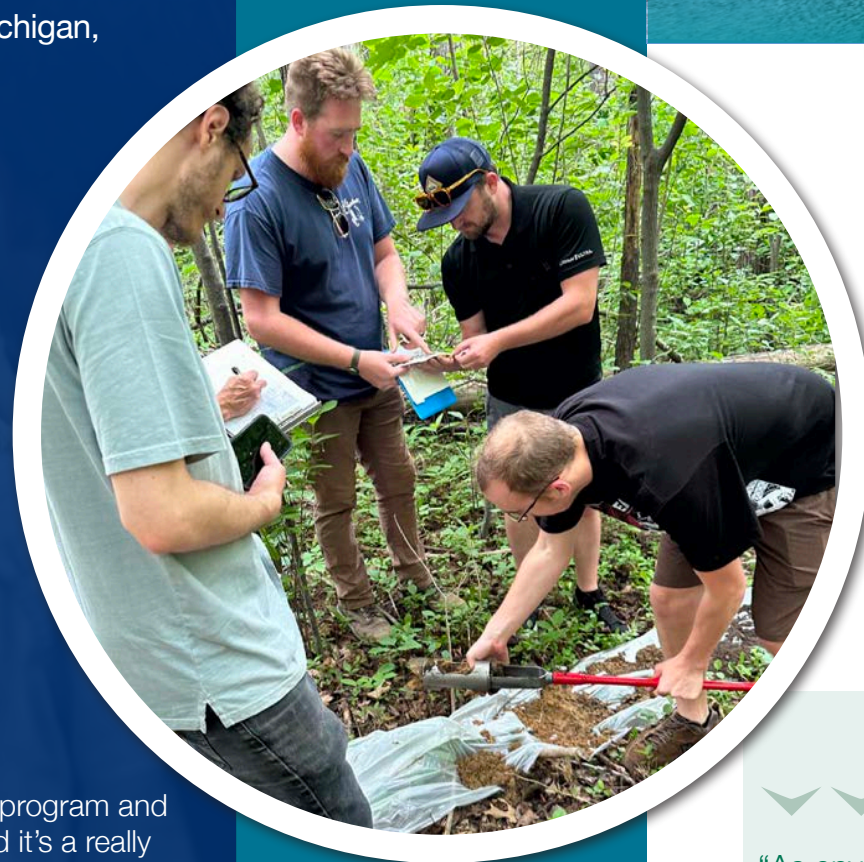


Within this degree students will have the opportunity to earn the following:

- OSHA HAZWOPER 40-hour Certificate
- FAA Part 107 Remote Pilot Certificate (Drones/UAS)
- Entry-level Python Programmer Certificate (CPEP)
- Solidworks Associate Certificate (CSWA)



Internships are required.



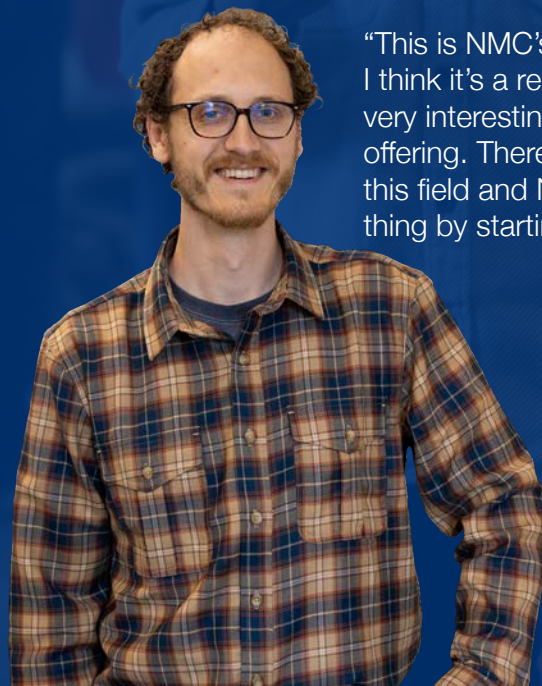
“The global market for environmental remediation technologies is expected to increase from **\$88.4 billion in 2023 to \$124.6 billion by the end of 2028**, with a compound annual growth rate (CAGR) of **7.1%** during the forecast period of 2023-2028.”

—According to BCC Research

Fulfilling Careers, Rewarding Future

This program prepares you for high-demand careers in environmental remediation, site assessment and water quality analysis.

- Tadd Kaiser, NMC student, Water Quality & Environmental Technology



“This is NMC's first year of the program and I think it's a really important and it's a really very interesting course of study that NMC is offering. There is a critical need for work in this field and NMC is definitely doing a good thing by starting a program like this.”



Great Lakes campus on Lake Michigan

Gain hands-on experience in:



Site Assessment & Remediation



Groundwater Monitoring & Aquifer Sampling



UAS/Drone Surveying

Industry-Driven Curriculum

Our curriculum is designed specifically to meet the needs of today's environmental workforce.

Practical Experience Advantage

An internship is integrated into the program, providing valuable real-world experience and professional connections.



“As environmental professionals we rely on the quality of data collection for key decision making, We are excited to see a program that trains folks at the college level in field data collection techniques. I trust that a number of industries will benefit from students having these abilities after just two years.”

– Richard Raetz, P.E.
President, Global Remediation Technologies



\$1.5 million

IN NMC SCHOLARSHIPS AWARDED TO NMC STUDENTS IN 2023-24

We're here to support you:

- > Learn from nationally-ranked experts
- > Enjoy beautiful Traverse City, MI
- > Stop by the Academic & Career Advising Center
- > Meet with a coach at the Student Success Center
- > Live in on-campus housing
- > Experience hands-on learning opportunities

