

What if I want an MS degree in Environmental Engineering and do not have a BS in engineering—what are my options?

If you would like to enter the MS in Environmental Engineering program at Michigan Tech and do not have a BS degree in an engineering discipline, you have two options:

Option 1: MS degree in Environmental Engineering Science

The Master of Science in Environmental Engineering Science offers focused study in the application of environmental science to environmental engineering practice. This program is designed as a pathway to a career in environmental science and **does not** require the student to complete coursework equivalent to an undergraduate degree in engineering. Please note that this degree generally qualifies you to pursue licensure.

Option 2: MS degree in Environmental Engineering

The Master of Science in Environmental Engineering is designed for the pursuit of advanced environmental engineering studies. This program is designed as a pathway to a career in environmental engineering and requires the student to complete selected coursework covered in an undergraduate engineering degree.

The minimum courses (or equivalent) required for MS students who do NOT have a BS undergraduate degree in an engineering discipline and associated prerequisites are as follows:

Course	Course Title	Prerequisites
CH 1150/51	University Chemistry I and Lab	
CH 1160/61	University Chemistry II and Lab	CH 1150/51
MA 1160	Calculus I	MA 1032
MA 2160	Calculus II	MA 1160
PH 1100/2100	University Physics I – Mechanics	MA 1160
ENG 3200	Thermo/Fluids	MA 2160 + CH 1150/1151 + PH 2100 + ENG 1102

AND select several courses from the table below in consultation with your advisor. Up to 12 credits of 3000/4000-level courses can be counted as MS Env Eng or MS Env Eng Sci degree:

CEE 3501	Env. Engrg. Fundamentals	MA 2160 + CH 1150/1151
CEE 3503	Intro. to Env. Engrg.	MA 2160 + CH 1150/1151
CEE 3620	Water Resources Engrg.	ENG 3200 + CEE 3502(C)
CEE 4501	Env. Engrg. Chemical Processes	CEE 3501/3503 + CEE 3502 + ENG 3200

CEE 4502	Wastewater Treatment Principles and Design	CEE 3501/3503
CEE 4503	Drinking Water Treatment Principles and Design	CEE 3501/3503
CEE 4504	Air Quality Engrg and Science	CEE 3501/3503
CEE 4505	Surface Water Quality Engineering	CEE 3501/3503
CEE 4506	Application of Sustainability Principles to Engrg. Practice	CEE 3501/3503
CEE 4507	Water Distribution & Wastewater Collection Design	CEE 3501/3503 and CEE 3620
CEE 4511	Solid & Haz. Waste Engrg.	CEE 3501/3503
GE 3850	Geohydrology	CEE 3620 recommended