M. Eng. in Environmental Engineering

- 30 credit-hours total.
- Up to 9 credits of 400 level courses may be used to satisfy degree requirements.
- Courses at the 300 level may be required to fulfill prerequisites, but do not contribute to the 30 credit-hours required.
- Courses with grades below "C" cannot be used to satisfy graduation requirements.
- A minimum cumulative GPA of 3.0 is required to remain in, and graduate from, the M. Eng. program.
- A minimum of 3 credit-hours registration is required during the term of graduation.
- A course of study must include
  - Seminar (ECIV 594)
  - At least 3 credits of advanced math, statistics, or numerical methods (EGEN 505, EGEN 506, EM 525, EIND 455 or approved alternate)
  - At least 3 credits of an advanced business, management, law or policy (ECIV 507, EINV 434, EIND 425 or approved alternate).
- The remaining credits will be customized for each student based on desired professional outcomes and will include engineering and advanced science courses.
- A maximum of 3 credit-hours of Independent Study courses (ECIV 592) are allowed. This option allows students to pursue a specialized area of study under the supervision of a single professor. An independent study course is not required to complete the M. Eng. degree.
- Programs-of-study must be submitted to, and approved by, the CE Department Head and the Associate Dean of Research, Economic Development and Graduate Education during the first semester of enrollment in the program.

Students completing the M. Eng. – ENVE degree will be able to petition to sit for the Fundamentals of Engineering (FE) Exam and ultimately the Professional Engineering (PE) exam. The PE exam can only be taken after gaining the required professional experience under the supervision of a registered professional engineer. The M. Eng. -ENVE program will require students without an ABET accredited engineering degree to complete levelling courses intended to provide the knowledge prerequisite to graduate study and sufficient exposure to the environmental engineering topics to allow the student to petition to take the FE exam.

For those students pursuing the M. Eng. – ENVE degree without a closely related accredited undergraduate engineering degree, leveling courses will be required. Leveling courses are intended to provide students without an accredited bachelor’s degree in environmental engineering, or a closely related field such as civil or chemical engineering, with sufficient background in environmental engineering to be eligible for the Fundamentals of Engineering exam and ultimately professional registration.

Leveling courses are also pre-requisites for graduate level courses. Students with a BS degree in Environmental Engineering (or closely related field) would typically be exempt from taking leveling courses. Students with a different accredited engineering bachelor’s degree may have leveling course requirements, but typically fewer than students without an engineering background. Leveling courses will typically need to have been completed in the applicant’s undergraduate degree or taken at MSU as part of the Master’s program of study. A program plan that includes any required leveling courses will be developed in consultation with a graduate advisor after a detailed review of the student’s academic transcripts. An example program and study that specifies admission requirements, advising and leveling courses is included as an attachment.