

# MINING ENGINEERING (NON-THESIS): ENVIRONMENTAL ENGINEERING (M.ENG.) (45 CREDITS)

**Offered by:** Mining & Materials Engineering (Faculty of Engineering)  
**Degree:** Master of Engineering  
**Program credit weight:** 45

## Program Description

Students are strongly encouraged to consult with the Graduate Program Director prior to enrolling in the program.

The M.Eng. in Mining Engineering; Non#Thesis - Environmental Engineering program emphasizes interdisciplinary fundamental knowledge, practical perspectives, and awareness of environmental issues.

**Note:** For information about Fall 2025 and Winter 2026 course offerings, please check back on May 8, 2025. Until then, the "Terms offered" field will appear blank for most courses while the class schedule is being finalized.

## Research Project (6 credits)

Expand allContract all

Course	Title	Credits
MIME 628	Mineral Engineering Project 1.	6

## Required Courses (6 credits)

Expand allContract all

Course	Title	Credits
CHEE 591	Environmental Bioremediation.	3
CIVE 615	Environmental Engineering Seminar.	3

## Complementary Courses (22 credits)

(minimum 22 credits)

### Data Analysis Course

3 credits from the following:

Expand allContract all

Course	Title	Credits
AEMA 611	Experimental Designs 1.	3
CIVE 555	Environmental Data Analysis.	3
PSYC 650	Advanced Statistics 1.	3

### Toxicology Course

3 credits from the following:

Expand allContract all

Course	Title	Credits
OCCH 612	Principles of Toxicology.	3
OCCH 616	Occupational Hygiene.	3

### Water Pollution Engineering Course

4 credits from the following:

Expand allContract all

Course	Title	Credits
CIVE 651	Theory: Water / Wastewater Treatment.	4
CIVE 652	Bioprocesses for Wastewater Resource Recovery.	4
CIVE 660	Chemical and Physical Treatment of Waters.	4

### Air Pollution Engineering Course

3 credits from the following:

Expand allContract all

Course	Title	Credits
CHEE 592	Industrial Air Pollution Control.	3
MECH 534	Air Pollution Engineering.	3

### Soil and Water Quality Management Course

3-4 credits from the following:

Expand allContract all

Course	Title	Credits
BREE 533	Water Quality Management.	3
CIVE 686	Site Remediation.	4

### Environmental Impact Course

3 credits from the following:

Expand allContract all

Course	Title	Credits
GEOG 601	Advanced Environmental Systems Modelling.	3

or an approved 500-, 600-, or 700-level alternative.

### Environmental Policy Course

3 credits from the following:

Expand allContract all

Course	Title	Credits
URBP 506	Environmental Policy and Planning.	3

or 3 credits approved at the 500-, 600-, or 700-level alternative.

## Elective Courses (10-11 credits)

Another project course and/or Engineering or non-Engineering 500-, 600-, or 700-level course subject to approval of the Department.

The relevant Project course in Mining Engineering is the following:

2 Mining Engineering (Non-Thesis): Environmental Engineering (M.Eng.) (45 credits)

Expand allContract all

Course	Title	Credits
MIME 629	Mineral Engineering Project 2.	6