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

Offered by: Chemical Engineering (Faculty of Engineering)
Degree: Master of Engineering
Program credit weight: 45

Program Description

This program is currently not accepting applicants.

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
CHEE 695	Project in Chemical Engineering.	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 of 22 credits

Data analysis course (3 credits)

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 (3 credits)

Expand allContract all

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

Water pollution engineering (4 credits)

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 (3 credits)

Expand allContract all

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

Soil and water quality management (3 credits)

Expand allContract all

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

Environmental impact (3 credits)

Expand allContract all

Course	Title	Credits
GEOG 601	Advanced Environmental Systems Modelling.	3

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

Environmental policy (3 credits)

Expand allContract all

Course	Title	Credits
URBP 506	Environmental Policy and Planning.	3

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

Elective Courses (11 credits)

Expand allContract all

Course	Title	Credits
CHEE 696	Extended Project.	6

or another Engineering or non-Engineering 500-, 600-, or 700-level course subject to approval.