Course Intentions
Fall 2025/
Winter 2026

Information Session

Welcome!!!



Toronto Metropolitan University

Course Intentions
Fall 2025/Winter 2026

MARCH 6th to 12th

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CEN 199 – WRITING SKILLS REQUIREMENT

- A passing grade in CEN 199 Writing Skills or RTEP is required to enrol in any third year engineering course.
- Students with a grade of INP in CEN199 will not be allowed to enrol in any third year engineering course.
- Next Writing Skills Test Date: TBA by the First Year Engineering Office

FOR YOUR THIRD YEAR

Will you:

Join the

Structural Engineering Option

OR

Continue in the regular

Civil Engineering Program

?

Civil Engineering

Regular Program Curriculum

Focuses on four areas:

Environmental, Geomatics,
Structural/Materials and
Transportation Engineering

Structural Engineering Option

Curriculum:

Provides further focus on:

Structural Analysis, Computer-Aided Structural Analysis, Structural Building Systems, Structural Design of Concrete, Steel, Timber, Masonry, Bridge Design & Construction and Renovation/Repair of Existing Structures.

CO-OP INTERNSHIP PROGRAM

Gain on-the-job experience in an 8, 12 or 16 months paid full time internship employment.

Can only apply for Co-Op Program at the completion of second year. Applications are due in early September.

Must meet all of these eligibility criteria by Sept. 2, 2025.

- ❖ Clear Academic Standing
- ❖ Completion of all courses (semesters 1 to 4) excluding liberals.
- ❖ Minimum CGPA 1.67
- ❖ Enrolled in 5th and 6th semester courses F25/W26.

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GRADUATION CREDENTIAL

Co-op designation as part of degree name for continuous 12 to 16 months FEAS Co-op.

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CO-OP INTERNSHIP PROGRAM INFORMATION SESSIONS

Coming Soon

Monday, March 10

&

Thursday, March 27

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THIRD YEAR

FALL 2025 / WINTER 2026

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CIVIL ENGINEERING PROGRAM
Fall 2025: Third Year - Fifth Semester

CVL 352	Geomatics Measurement Techniques
CVL 400	Hydrology and Water Resources
CVL 500	Introduction to Structural Design
CVL 533	Concrete Materials
MTH510	Numerical Analysis

Liberal Studies: One course from Table A
(Lower Level Liberal Studies)

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CIVIL ENGINEERING PROGRAM
Winter 2026: Third Year - Sixth Semester

CVL 354	Remote Sensing and Image Analysis
CVL 602	Municipal Engineering
CVL 609	Civil Engineering Systems
CVL 735	Highway Design
CVL 742	Project Management

Liberal Studies: One course from Table B (Upper Level Liberal Studies)

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STRUCTURAL ENGINEERING OPTION
Fall 2025: Third Year – Fifth Semester

CVL 313	Structural Analysis
CVL 500	Introduction to Structural Design
CVL 533	Concrete Materials
CVL 600	Foundation Engineering
MTH510	Numerical Analysis

Liberal Studies: One course from Table A
(Lower Level Liberal Studies)

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STRUCTURAL ENGINEERING OPTION
Winter 2026 : Third Year - Sixth Semester

CVL 312 Computer Aided Structural Analysis

CVL 410 Structural Concrete Design I

CVL 411 Structural Steel Design

CVL 609 Civil Engineering Systems

CVL 742 Project Management

Liberal Studies: One course from Table B (Upper Level Liberal Studies)

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ENROLMENT CAPS

STRUCTURAL ENGINEERING OPTION

- Enrolment in Structural Engineering Option cannot exceed 60 % of the total number of students entering third year in Fall 2025

CIVIL ENGINEERING PROGRAM

- Enrolment in the Civil Engineering Program cannot exceed 60 % of the total number of students entering third year in Fall 2025

Enrolment in the third year Civil Engineering Program or the Structural Engineering Option will be made on a competitive basis subject to program capacity.

REQUIRED ACADEMIC FOR ENTERING THIRD YEAR

To enrol in the third year Structural Engineering Option or Civil Engineering Program of their choice, students should complete all second year courses by May 31, 2025, with a clear academic standing and minimum CGPA of 2.50 in addition to also meeting the following academic criteria:

For Civil Engineering Program:

Achieve a minimum grade of C – in the first attempt in each of the following courses:

- CVL 323 : Fundamentals of Surveying
- CVL 316 : Transportation Engineering
- CVL 502 : Hydraulics Engineering

For Structural Engineering Option:

Achieve a minimum grade of C – in the first attempt in each of the following courses:

- CVL 320 : Strength of Materials I
- CVL 420 : Strength of Materials II
- CVL 434 : Geotechnical Properties of Soils

CRITERIA FOR ENTERING THIRD YEAR

If a student is missing one or more courses from the second year, placement in the student's preferred third year academic plan (Structural Engineering Option or Civil Engineering Program) will be subject to space availability based on the 60 % criteria.

You will be notified via e-mail by June 2nd if you meet the academic criteria of your third year plan choice:

Structural Engineering Option

or

Civil Engineering Program

FOURTH YEAR

FALL 2025 / WINTER 2026

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CIVIL ENGINEERING PROGRAM
Fall 2025 : Fourth Year - Seventh Semester

Required:

CVL 650 Satellite Geodesy

Capstone Design Project: Complete one Capstone Design Project from your stream:

	CVL 71A/B	Environmental Capstone Design Project
OR	CVL 72A/B	Transportation Capstone Design Project

Professional Stream Courses: Complete two courses from Environmental or Transportation Stream.

Liberal Studies: One course from the following:

ENG503, GEO702, HST701, PHL709, or POL507.

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CIVIL ENGINEERING PROGRAM
Winter 2026: Fourth Year (8th Semester)

Required:

CEN 800 Law and Ethics in Engineering Practice
CVL 300 Environmental Science and Impact Assessment
CVL 736 Geospatial Information Systems

Capstone Project: Continue with same Capstone Design Project started in F2023.

CVL 71A/B Environmental Capstone Design Project
OR CVL 72A/B Transportation Capstone Design Project

Professional Stream Courses: Continue in same stream started in 7th semester.
Complete one course from one of the Streams:

Environmental Stream: CVL 901 Municipal Solid Waste Management

Transportation Stream: CVL 914 Pavement Materials and Design

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Environmental Stream
Fall 2025 Courses

Must complete both courses:

CVL 903: Water Resources Engineering

CVL 920: Water and Wastewater Treatment

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Transportation Stream
Fall 2025 Courses

Must complete both courses:

CVL 902: Traffic Operations and Management

CVL 910: Transportation Planning

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Enrolment in either the Environmental or Transportation Stream cannot exceed sixty per cent of total number of students entering fourth year of the Civil Engineering Program in Fall 2025.

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CRITERIA FOR ENTERING FOURTH YEAR CIVIL ENGINEERING PROGRAM

If a student is missing one or more courses from the third year, placement in the student's preferred Stream will be subject to space availability based on the 60 % criterion.

However, successful completion of the Stream prerequisite courses is required for admission to either Stream.

CRITERIA FOR ENTERING FOURTH YEAR CIVIL ENGINEERING PROGRAM

Students who complete the third year of the Civil Engineering program at the end of the academic year Fall 2024/Winter 2025 with a Clear academic standing and a minimum CGPA of 2.67 will be considered for admission to their preferred Stream (Environmental or Transportation Stream) for their fourth year of the program starting in Fall 2025.

In addition, students should also have completed all of the third year courses by the end of Winter 2025 semester.

You will be notified via e-mail by June 2nd, if you meet the academic criteria of your fourth year plan choice:

Transportation Stream

or

Environmental Stream

STRUCTURAL ENGINEERING OPTION

Fall 2025 : Fourth Year - Seventh Semester

CVL 70A	Structural Capstone Design Project
CVL 904	Structural Concrete Design II
CVL 905	Bridge Design and Construction
CVL 908	Structural Building Systems

Liberal Studies: One course from the following:
ENG503, GEO702, HST701, PHL709 or POL507.

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STRUCTURAL ENGINEERING OPTION

Winter 2026 : Fourth Year - Eighth Semester

CEN 800	Law and Ethics in Engineering Practice
CVL 70B	Structural Capstone Design Project*

*Two term course. Must continue with same project started in Fall 2025.

CVL 300	Environmental Science and Impact Assessment
CVL 906	Renovation/Repair of Existing Structures
CVL 914	Pavement Materials and Design

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GRADUATION CREDENTIALS

A student graduating from the Structural Engineering Option will earn a Bachelor of Engineering (BEng) Degree in Civil Engineering with the Structural Engineering Option.

Transcript:

Bachelor of Engineering – Structural Engineering Option

Award Document:

Bachelor of Engineering - Civil Engineering

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For Fall 2026/Winter 2026

MARCH 6th to 12th

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Questions or Concerns?

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or

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