



Information Session for U0 and U1 Students



Department of Civil Engineering

August 23rd, 2023 11:00 AM

ENGMD 280

Information Session Schedule

11:00 AM – 11:25 AM	Civil Engineering Welcome Presentation Prof. Jinxia Liu (Associate Chair); Prof. Mohamed Meguid (Chair) Mrs. Anna Dinolfo (Senior Administrative/Student Affairs Coordinator)
11:25 AM – 11:45 AM	MESC, Engineering Career Services Christin Blohm-Pape (Student Affairs Manager) Benjamin Isaac (Manager/Internship Advisor)
11:45 AM – 12:00 PM	Library Resources & Services Tara Mawhinney (Civil Engineering Liaison Librarian)
12:00 PM – 12:30 PM	Civil Engineering Undergraduate Society (CEUS) Davis Timko (President), Ciara Romano (VP Internal) Nicholas Velimirovic (VP Events)
12:30 PM – 1:00 PM	Question Period

Questions? Ask us

- **Senior Administrative/Student Affairs Coordinator**

Ms. Anna Dinolfo (anna.dinolfo@mcgill.ca; ENGMD 495)

- **McGill Engineering Student Center (MESC)**

Frank Dawson Adams Building (FDA), Room 22

- **Associate Chair of Student Affairs:** Prof. Jinxia Liu (jinxia.liu@mcgill.ca)

General advising; decisions at the departmental level

- **Student-Staff Committee:** Profs Stephanie Loeb, Matiyas Bezabeh, Luis Miranda-Moreno

Regular communications regarding academic and other matters

Program Planning & Registration

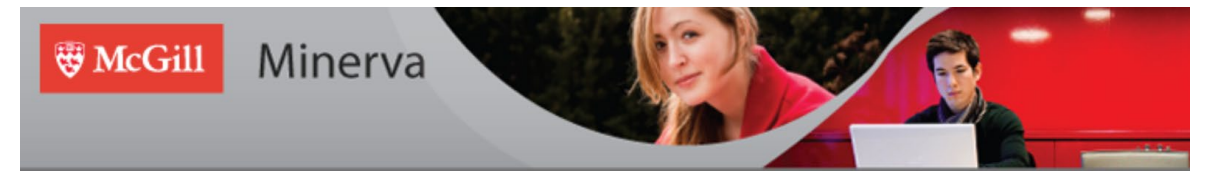
Planning

- Do not miss the deadlines
- Know your program
- Use Visual Schedule Builder (VSB)
- Plan for entire academic year

Registration

- Register on MINERVA

The screenshot shows the McGill Visual Schedule Builder interface. On the left, under 'ADD COURSES', three courses are selected: CIVE 205 Statics, CIVE 207 Solid Mechanics, and CIVE 290 Thermodynamics & Heat Transfer. The 'Term' is set to Fall 2019. The 'RESULTS' section on the right displays a 'Generated Results' calendar grid for the period Sep 3 - Dec 3. The grid shows the following schedule: CIVE 205 Lec (Wed 11:00-12:00, Thu 12:00-1:00), CIVE 207 Lec (Wed 12:00-1:00, Thu 1:00-2:00), CIVE 290 Lec (Thu 12:00-1:00, Fri 12:00-1:00), CIVE 205 Tut (Fri 12:00-1:00), CIVE 207 Tut (Sat 12:00-1:00), and CIVE 290 Tut (Sat 12:00-1:00). A 'TIP #1/4' banner at the top right states: 'Click and drag to indicate when you do not want to have classes. Schedules that avoid these times will be prioritized.' The interface also includes options to 'Print schedule', 'Create Share Link', and 'Add to Favourites'.



Key Academic Dates



- **The last day to add at least 1 course to avoid late registration fees**
Monday, August 14, 2023
- **Course change (add/drop) deadline:**
Tuesday, September 12, 2023 (full refund, no record on transcript)
- **Course web withdrawal deadline:**
Tuesday, September 29, 2023 (full refund, receive a W on transcript)
- **Course web withdrawal deadline:**
Tuesday, October 24, 2023 (no refund, receive a W on transcript)

Structured Programs (110 or 139 credits)

**Engineering Freshmen Requirements
OR Engineering CEGEP Requirements
(29 Credits)**

**Required Non-Departmental Courses
(28 Credits)**



**Required – Departmental Courses
(61 Credits)**

**Technical Complementary Courses
(15 Credits)**

**General Complementary Courses
(6 or 9 Credits)**

- *Follow the recommended sequence of courses;*
- *Plan around the Required Departmental Courses (most offered only once a year)*

Structured Programs (110 or 139 credits)

- 400- and 500-level courses in Civil Eng.
- ≥ 6 credits should be **Design Technical Complementary** courses
- Areas of specialization

Technical Complementary Courses
(15 Credits)

General Complementary Courses
(6 or 9 Credits)

- Group A: Impact of Technology on Society courses
- Group B: Humanities/Social Science courses

Undergraduate Student Handbook

- Must-have reference, but not the only reference
- Available online only

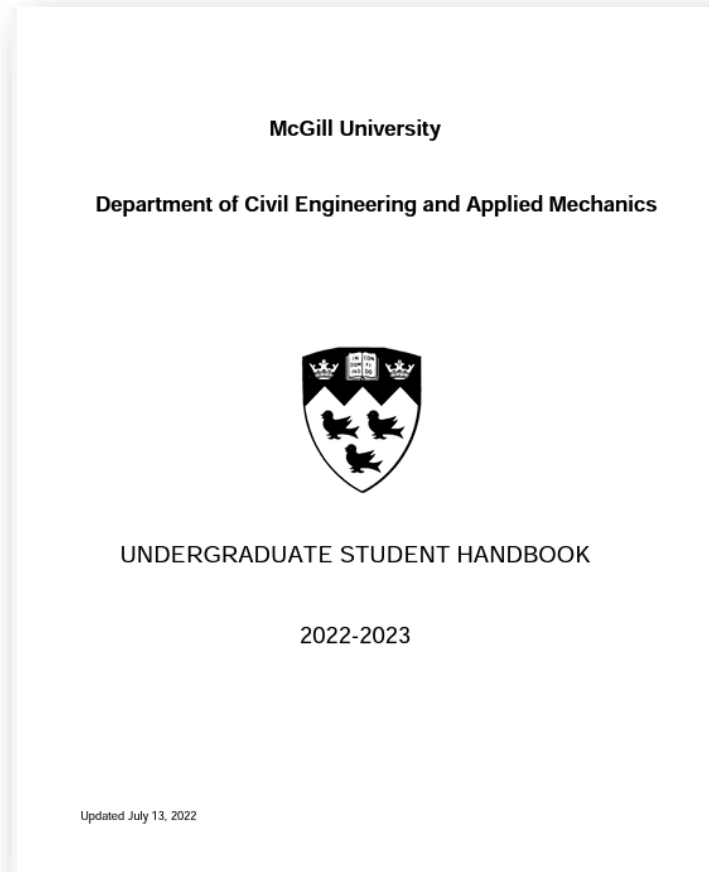


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https://www.mcgill.ca/civil/files/civil/student_handbook_advising_2022-2023_updated.pdf

Undergraduate Student Handbook

Recommended Sequence of Courses for the 7-Semester Program (110 Credits)

Note: For the 7 complementary courses, choose 5 technical complementary courses (2 of which are Design Technical Complementary Courses), 1 Impact of Technology course and 1 Humanities/Social Sciences course. * CIVE 432 may be taken in Semester 7 after completing a minimum of 2 technical complementary courses.

SEMESTER 1 (15 cr)			SEMESTER 2 (18 cr)		
MATH 262	Intermediate Calculus	3 cr	MATH 263	Ordinary Differential Equations and Linear Algebra	3 cr
CIVE 290	Thermodynamics & Heat Transfer	3	CIVE 202	Construction Materials	4
CIVE 205	Statics	3	CIVE 206	Dynamics	3
COMP 208	Computers in Engineering	3	CIVE 207	Solid Mechanics	4
xxxx-xxx	Humanities/Social Sciences	3	MECH 289	Design Graphics	3
			FACC 100	Intro Engineering Profession	1
			SUMMER SESSION (2 cr)		
			CIVE 210	Surveying	2 cr
SEMESTER 3 (15 cr)			SEMESTER 4 (17 cr)		
CCOM 206	Communication in Engineering	3 cr	CIVE 225	Environmental Engineering	4 cr
CIVE 208	Civil Engineering Systems Analysis	3	CIVE 302	Probabilistic Systems	3
CIVE 317	Structural Engineering I	3	CIVE 318	Structural Engineering II	3
EPSC 221	General Geology	3	CIVE 319	Transportation Engineering	3
MATH 264	Advanced Calculus	3	CIVE 327	Fluid Mechanics & Hydraulics	4
FACC 250	Responsibility of the Professional Engineer	0			
SEMESTER 5 (14 cr)			SEMESTER 6 (15 cr)		
CIVE 320	Numerical Methods	4 cr	CIVE 324	Sustainable Project Management	3 cr
CIVE 323	Hydrology & Water Resources	3	*CIVE 432	Technical Paper	1
FACC 300	Engineering Economy	3	xxxx-xxx	Impact of Technology	3
CIVE 311	Geotechnical Mechanics	4	xxxx-xxx	Complementary #1	3
			xxxx-xxx	Complementary #2	3
			MECH 261	Measurement Laboratory	2
SEMESTER 7 (14 cr)					
FACC 400	Engineering Professional Practice	1 cr			
CIVE 418	Design Project	4			
xxxx-xxx	Complementary #3	3			
xxxx-xxx	Complementary #4	3			
xxxx-xxx	Complementary #5	3			

Recommended Sequence of Courses for the 8-Semester Program (139 Credits)

Note: For the 8 complementary courses, choose 5 technical complementary courses (2 of which are Design Technical Complementary Courses), 2 Humanities/Social Sciences, and 1 Impact of Technology courses. The later 3 courses can be taken in summer to reduce course load during the year. * CIVE 432 may be taken in Semester 8 after completing a minimum of 2 technical complementary courses.

SEMESTER 1 (15 cr)			SEMESTER 2 (18 cr)		
CHEM 110	General Chemistry 1	4 cr	CHEM 120	General Chemistry 2	4 cr
MATH 140	Calculus 1	3	MATH 141	Calculus 2	4
MATH 133	Vectors, Matrices & Geometry	3	PHYS 142	Electromagnetism & Optics	4
PHYS 131	Mechanics & Waves	4	xxxx-xxx	Humanities/Social Sciences #1	3
FACC 100	Intro Engineering Profession	1	xxxx-xxx	Impact of Technology	3
SEMESTER 3 (18 cr)			SEMESTER 4 (17 cr)		
EPSC 221	General Geology	3 cr	MATH 263	Ordinary Differential Equations and Linear Algebra	3 cr
MATH 262	Intermediate Calculus	3	CIVE 202	Construction Materials	4
CIVE 205	Statics	3	CIVE 206	Dynamics	3
CIVE 290	Thermodynamics & Heat Transfer	3	CIVE 207	Solid Mechanics	4
CCOM 206	Communication in Engineering	3	COMP 208	Computers in Engineering	3
MECH 289	Design Graphics	3	FACC 250	Responsibilities of the Professional Engineer	0
			SUMMER SESSION (2 cr)		
			CIVE 210C	Surveying	2 cr
SEMESTER 5 (18 cr)			SEMESTER 6 (17 cr)		
CIVE 208	Civil Engineering Systems Analysis	3 cr	CIVE 225	Environmental Engineering	4 cr
CIVE 311	Geotechnical Mechanics	4	CIVE 302	Probabilistic Systems	3
CIVE 317	Structural Engineering I	3	CIVE 327	Fluid Mechanics & Hydraulics	4
FACC 300	Engineering Economy	3	CIVE 318	Structural Engineering II	3
MATH 264	Advanced Calculus	3	CIVE 319	Transportation Engineering	3
MECH 261	Measurement Lab	2			
SEMESTER 7 (17 cr)			SEMESTER 8 (17 cr)		
CIVE 320	Numerical Methods	4 cr	CIVE 324	Sustainable Project Management	3 cr
CIVE 323	Hydrology & Water Resources	3	CIVE 418	Design Project	4
*CIVE 432	Technical Paper	1	xxxx-xxx	Complementary #3	3
xxxx-xxx	Humanities/Social Sciences #2	3	xxxx-xxx	Complementary #4	3
xxxx-xxx	Complementary #1	3	xxxx-xxx	Complementary #5	3
xxxx-xxx	Complementary #2	3	FACC 400	Engineering Professional Practice	1

Five Focus Areas



Environmental Engineering



Structural Engineering



Geotechnical Engineering



Transportation Engineering



Water Resources & Hydraulic Engineering

Minor Programs

18 to 24 credits; up to 12 credits of overlap with a degree program

List of minor programs (see the full list online)

- Construction Engineering and Management (Advisors: Prof. J. Liu & A. Dinolfo)
- Environmental Engineering (Advisor: Prof. M. Kang)
- Management
- Technological Entrepreneurship
- Software Engineering
- Arts, Computer Science, Economics, Environmental Studies (McGill School of Environment), Materials Engineering

Important Tips

- Come to see an advisor at least once a year
- If receive D or F grade, or withdraw a required course, come talk to Mrs. Anna as early as possible (**D grade not acceptable for graduation**)
- Plan early for credit transfer, exchange program, minor program, etc.
- May take summer courses to reduce load in the year, particularly for the 8-semester program.



Post-COVID Learning: Digital and In-Person

Have questions?

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