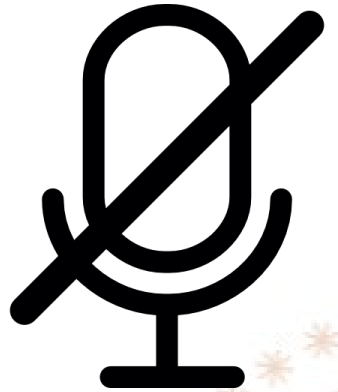
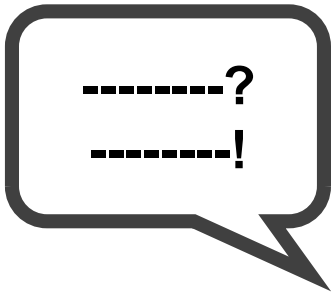
Zoom Etiquette

Please do not interrupt the speakers

Please ensure you are muted unless instructed otherwise





Ask questions using the chat box to “everyone” or the speakers

During Q&A, raise “digital hand” before asking a question

McGill

Information Session for U0 and U1 Students

Department of Civil Engineering

August 25, 2021 11:00 AM

Zoom: *https://mcgill.zoom.us/j/81549811578*

Information Session Schedule

11:00 AM – 11:30 AM **Civil Engineering Welcome Presentation**
Prof. Mohamed Meguid (Chair)
Prof. Jinxia Liu, Ms. Anna Dinolfo

11:30 AM – 11:45 AM **Engineering Career Services**
Ms. Julie Godin

11:45 AM – 12:15 PM **Civil Engineering Undergraduate Society (CEUS)**
Ms. Emily Anderson

12:15 PM – 12:30 PM **Library Resources & Services**
Ms. Tara Mawhinney

12:30 PM – 1:00 PM **Question Period**

Questions? Ask us

- **Senior Administrative/Student Affairs Coordinator**

  Ms. Anna Dinolfo (anna.dinolfo@mcgill.ca; ENGMD 496)

- **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:** Prof. Dominic Frigon, Prof. Stephanie Loeb

  Regular communications regarding academic and other matters

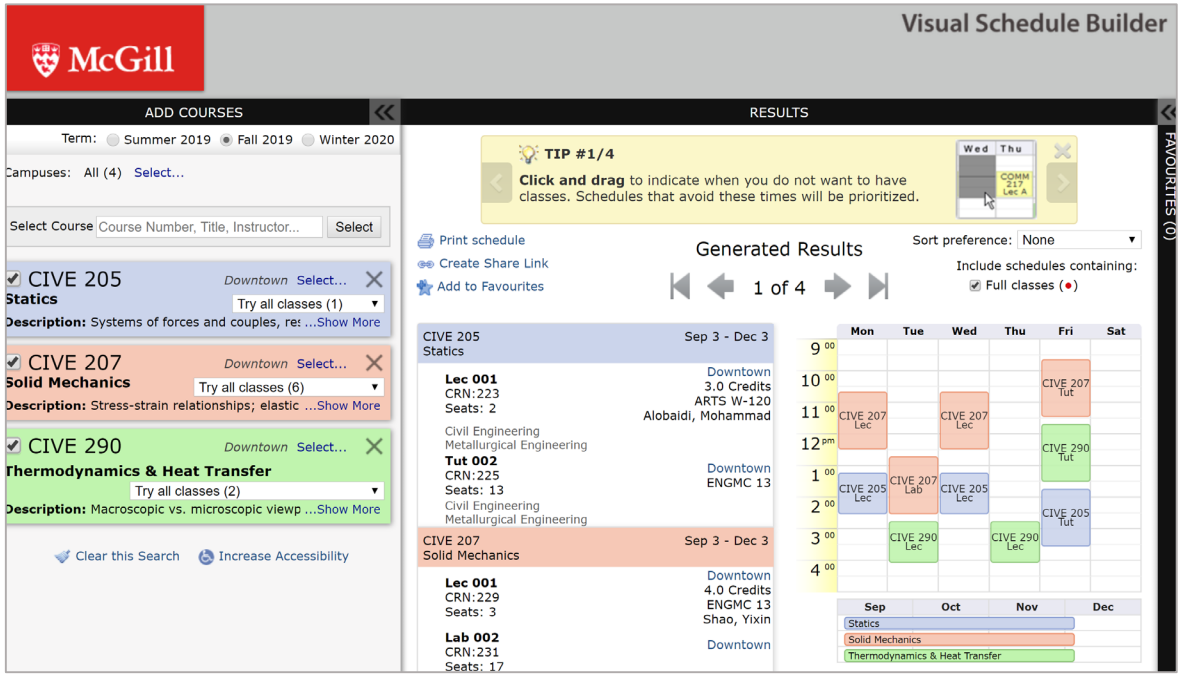
MESC – FDA (Room 22)

- Provides engineering student support
- Makes decisions on academic standing
- Provides information on *Exchange and Study Abroad Programs*
- Grants deferrals for illness during examinations
- Responsible for reassessments and rereads of examinations and final grades
- Grants scholarships and awards
- Offers Peer Tutoring Service
- Engineering local wellness advisor
- Operates Engineering Career Centre (ECC)

Program Planning & Registration

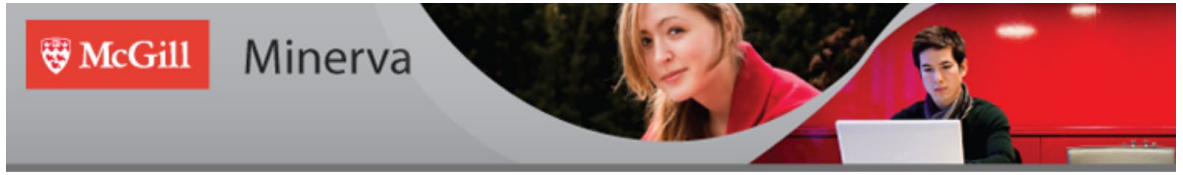
Planning

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



Registration

- Register on MINERVA



Important Deadlines

- **The last day to add at least 1 course to avoid late registration fees**
  Saturday, August 14, 2021

- **Course change (add/drop) deadline**:
  Tuesday, September 14, 2021 (full refund, no record on transcript)

- **Course web withdrawal deadline**:
  Tuesday, September 21, 2021 (full refund, receive a W on transcript)

- **Course web withdrawal deadline**:
  Tuesday, October 26, 2021 (no refund, receive a W on transcript)

Structured Programs (110 or 139 credits)

Engineering Freshmen Requirements
OR Engineering CEGEP Requirements
(29 Credits)

Required – Departmental Courses
(61 Credits)

Required Non-Departmental Courses
(28 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

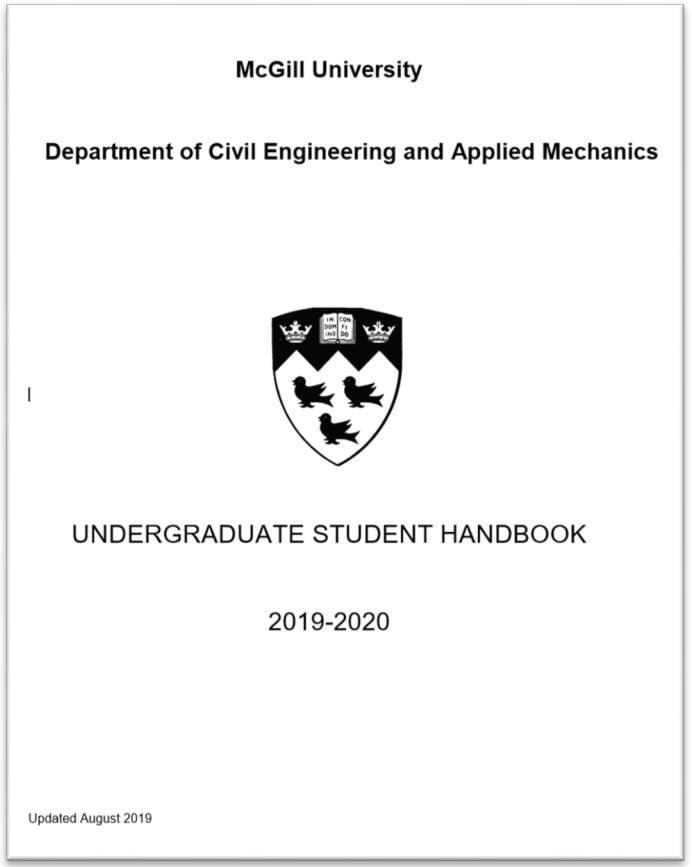
Technical Complementary Courses
(15 Credits)

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



McGill University

Department of Civil Engineering and Applied Mechanics

UNDERGRADUATE STUDENT HANDBOOK

2019-2020

Updated August 2019

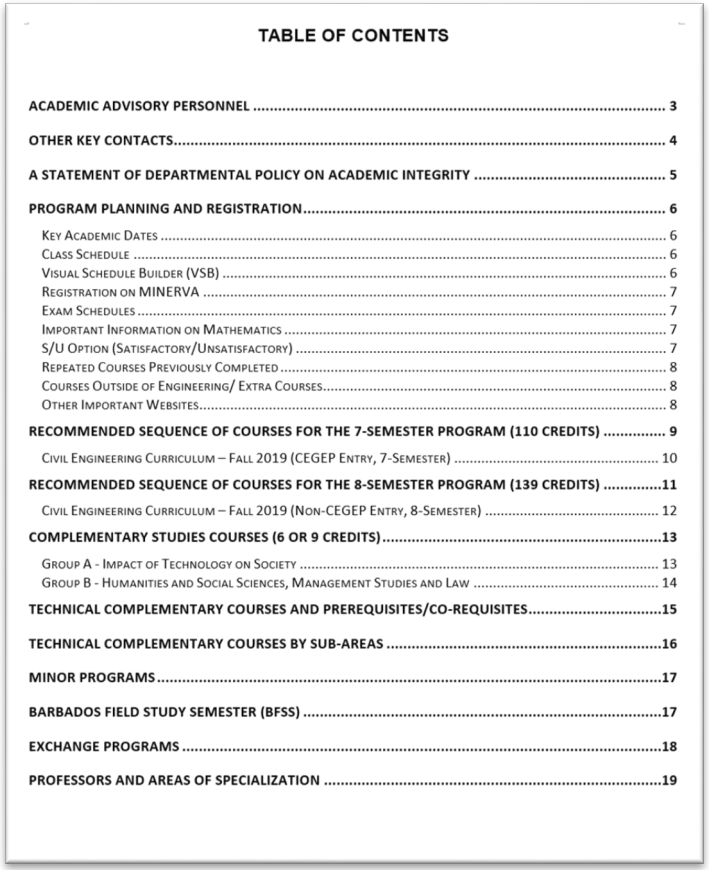


TABLE OF CONTENTS

https://www.mcgill.ca/civil/files/civil/undergraduate_student_handbook_2020-21.pdf

Undergraduate Student Handbook

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

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 Engineering	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

https://www.mcgill.ca/civil/files/civil/undergraduate_student_handbook_2020-21.pdf

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 (Advisor: Prof. Yixin Shao)
- Environmental Engineering (Advisor: Prof. Dominic Frigon)
- 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 Ms. 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.

Coronavirus Information

https://www.mcgill.ca/coronavirus/

- Course classrooms have been changed in mid-Aug to allow more classes to take place in-person
- Procedural masks are required in all indoor spaces at McGill
- Physical distancing rules: no distancing in classrooms; 1-meter in common areas; 2-m when eating or drinking
- Exams and other assessments: a combination of in-person and remote assessments
- Instructors are required to provide short-term academic accommodations related to COVID-19 upon requests from students

WHAT IS A LOCAL WELLNESS ADVISOR?

A mental health professional who promotes:

- Awareness, Prevention and Early Intervention.
- Resource-provider in your faculty for your faculty.
- Bridge to care: specialist in referring to resources on campus and in the community. Click to add text

Virginie provides wellness programming as well as one-on-one consultations to support your wellness needs.

Contact: virginie.yeba@mcgill.ca
or https://www.mcgill.ca/wellness-hub/ or
(514) 398-6017

VIRGINIE YEBA (SHE/HER) LOCAL WELLNESS ADVISOR=LWA

Connecting you with the appropriate resources for your unique situation

✉ *Have questions?*

Prof. Mohamed Meguid (Chair)
mohamed.meguid@mcgill.ca

Prof. Jinxia Liu (Associate Chair)
jinxia.liu@mcgill.ca

Ms. Anna Dinolfo (Senior Administrative/Student Affairs Coordinator)
anna.dinolfo@mcgill.ca