UNIVERSITÉ Concordia UNIVERSITY

GINA CODY
SCHOOL OF ENGINEERING
AND COMPUTER SCIENCE

Extended Credit Program (ECP)

Mechanical, Industrial and Aerospace Engineering

Undergraduate Program Assistant:
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Undergraduate Calendar, Section 71.20.2
Alternative Entry Programs

Extended Credit Program (ECP)

Students admitted to an Extended Credit Program under the provisions of Section 13.3 Admission Requirements or under Section 13.8 Selection Process and Notification must successfully complete the requirements of a specific program, as set out in Section 71.30 Department of Electrical and Computer Engineering to Section 71.55 Aerospace Engineering and in Section 71.70.9 Degree Requirements for the BEng in Software Engineering, plus the following courses:

- CHEM 205 General Chemistry I (3.00)
- MATH 203 Differential and Integral Calculus I (3.00)
- MATH 204 Vectors and Matrices (3.00)
- MATH 205 Differential and Integral Calculus II (3.00)
- PHYS 204 Mechanics (3.00)
- PHYS 205 Electricity and Magnetism (3.00)
- Six credits of Natural Science Electives (6.00)
- Six credits chosen from courses in Humanities and Social Sciences (6.00)

Please note that English as a Second Language (ESL) Courses and courses that focus on the acquisition of a language may not be used to meet the Humanities and Social Sciences requirement.

Students in the Extended Credit Program (ECP) or the Mature Entry Program (MEP) (see Section 14.2 Program Requirements) or any other student who has been assigned credits in Humanities and Social Sciences must select those credits from Section 71.110 Complementary Studies for Engineering and Computer Science Students

Note the Exclusion List, as those courses cannot be used to fulfill this requirement.

The suggested first year schedule for an MEP/ECP student:

First semester:	Second semester:
• CHEM 205 General Chemistry I (3.00) • MATH 203 Differential and Integral Calculus I (3.00) • PHYS 204 Mechanics (3.00) • Social Science or Humanities elective (3.00) • Natural Science Electives (3.00) • English as a Second Language (ESL) Courses (if required)	• MATH 204 Vectors and Matrices (3.00) • MATH 205 Differential and Integral Calculus II (3.00) [requires C- or better in MATH 203] • PHYS 205 Electricity and Magnetism (3.00) [requires C- or better in PHYS 204] • Social Science or Humanities elective (3.00) • Natural Science Electives (3.00) • English as a Second Language (ESL) Courses (if required)

Courses in English as a Second Language (ESL) are designed for students who are not native speakers of English and who need further training in the effective use of English in the university setting. Students must be tested for placement in ESL 202 or ESL 204 . Information about placement testing may be obtained at concordia.ca/artsci/education/programs or from the Department of Education. A fee is charged for the placement test. (See concordia.ca/admissions/tuition-and-fees.)

Please note:
If you are required to take ESL courses, we recommend that you reduce your course load by delaying the Social Science or Humanities Elective and/or the Basic and Natural Science courses. These courses are only required by the time you are graduating, and are not pre-requisites to your Engineering Program itself.

Undergraduate Calendar, 71.10.4
Registration Regulations

Prerequisites

1.	Students are responsible for ensuring that they have successfully completed all prerequisites to a course before attempting to register for the course.
2.	Students must complete all 200-level courses required for their program before registering for any 400-level courses.
3.	All 200-level courses within the program which are prerequisites for other courses must be completed with a C- or higher. A 200-level course in which a student has obtained a D+ or lower must be repeated before attempting a course for which it is a prerequisite.
4.	The GCS reserves the right to withdraw a student who has registered for a course without satisfactorily completing all prerequisites.

How to register:

Course registration

Engineering Writing Test

All undergraduate students at the Gina Cody School of Engineering and Computer Science must satisfy the School's writing skills requirement. There are two ways to fulfill the writing skills requirement:

- Take ENCS 272 and pass with a C- or better, or
- Take the Engineering Writing Test (EWT) and receive a PASS result

You must fulfill the writing skills requirement by completing one of the above options before you can register for ENCS 282 – Technical Writing and Communication, which is a required course for all undergraduate engineering students.

Students may not register for ENCS 282 until they have fulfilled the writing skills requirement.

For further details, and registration:

Engineering Writing Test

Recommended Program Sequences (MIAE)

- Once you have completed your ECP requirements, you may continue with your Engineering Program. Detailed course sequences for each of our programs can be found at Undergraduate Students (MIAE)

- It is important to note that deviating from the recommended sequences may cause you to run into scheduling conflicts with your future courses, as well as your final exams, because our planning is based on the recommended sequences. However, we understand that various circumstances may leave you with no other choice, so we have included guidelines and tools on the website for how to re-sequence.



Mechanical Engineering



Industrial Engineering



Aerospace Engineering

Student Academic Services (SAS)

SAS is the place to go to if you are a student in the Gina Cody School with questions about your program, registration, exchange opportunities, academic difficulties, or just to confirm that you are on the right track with your degree.

- **Academic advising**
  - Attend an info session for newly admitted students
  - Talk to an Advisor
- **Academic entrance**
  - Request to transfer credits
- **Documents, forms & procedures**
  - Course sequences
  - Engineering writing test
  - Student request forms
  - Funding for student groups
- **Graduation**
  - Grade point average
  - Academic standing to graduate
- **Student support**
  - Student requests
  - IT support (AITS)

Have a quick question?

Need to confirm something? Students can connect with a Gina Cody School SAS advisor without an appointment for a 10-minute virtual meeting to ask quick questions during drop-in advising meetings.

CHECK THE SCHEDULE

Additional Resources

First-year Support Counselling	Student Success Centre
Being a first-year student often brings about many new opportunities and challenges. If you would like support with the transition to university life, connect with our first-year support counsellor for one-on-one help.	The Student Success Centre (SSC) gives you the tools you need to succeed – from time management and study strategies to building your network and taking your studies one step further, we've got you covered. Come see us — we can help!
For details, see: First-year Support Counselling	**For details, see:** Student Success Centre

International Students Office	Student Service Station
If you are one of the thousands of international students planning to attend or already attending Concordia University, then you will find resources and services here to support you throughout your time as a Concordia student.	The Student Service Station connects you with academic advisors and student services staff to get the answers you need quickly. Meet in-person over Zoom to discover the Concordia offices here to support you throughout your academic journey.
For details, see: International students	**For details see:** Student service station

For a complete list of resources, see:
Student Resources

Quick Links:

- Section 71.20.2 Alternative Entry Programs (ECP)
- English as a Second Language (ESL)
- Humanities and Social Sciences for Engineering and Computer Science
- Natural Science Electives
- Engineering Writing Test
- Student Academic Services
- Student Resources



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