Setting Yourself Up For Success

Schulich School of Engineering
Overview

• Navigating your Engineering Program
• Schedule & Academics
• Supports & Resources
What do I need to know?
UCalgary Email

• The University requires that all electronic communications from the University be sent to your UCalgary email address.
  
  • **Put your UCID in your email signature**
  
  • Be sure to check regularly (including over the summer). You’ll receive updates on program placement, Academic Review and any critical communications. Some of these will have deadlines attached.
Fall Convocation - Graduation Reviews for Spring/Summer 2022 Applicants

Hello Everyone,

This message is directed to all students in the final year of their program that are planning to apply to graduate and finish their degree requirements by the end of the Spring/Summer 2022 term(s).

Congratulations - you're almost done!

As a starting point, please review all important dates and deadlines from the Convocation checklist (found here https://www.ucalgary.ca/registrar/graduation) and follow the appropriate steps to apply to graduate.
Welcome to the Schulich School of Engineering!

Please be aware there is a search bar in the top left corner.

We hope you find this resource helpful. This site is updated regularly, so please come back often!

Getting Started as an Engineering Student

A short list of the most important things to do before classes start (if possible).

- **Register for an IT Account**: An IT Account will give you access to online services and applications available to students, including: Office 365 Webmail, Campus WiFi, Desire2Learn (D2L) and myUofC

- **Get your UniCard**: Your UniCard is your Official campus identification card, Library card, Fitness Centre membership card, Building / lab access card, n-campus debit card
Welcome email August 30

Kimberly Adriane Johnston posted on Aug 30, 2022 12:48 PM
Hello incoming first year students and welcome to Schulich School of Engineering!!

I am the Associate Dean (Teaching and Learning & Mental Wellness) in SSE, and I'm part of the first-year coordination team. We are so excited to meet you next week when classes start. In this email, I'm including a few bits of information about your first-year experience and your schedule next week. Please read this email to the bottom - emails are used at UCalgary to convey important information, and you are responsible for knowing the information communicated here!

As a first-year engineering student, you will be registered in one of 12 blocks. This group of <100 students will be your cohort through your first year – they will be the people who help you succeed in your studies and enhance your experience. With your block, you will be registered in 10 core courses (2 engineering courses, 3 math courses, one chemistry and one physics course). Each of these 10 courses has both 1) online, self-directed content AND 2) regularly scheduled in-person Active Learning classes.

Your classes start on Sept 6 (next Tuesday)! Note that your first week schedule is slightly different than your regular weekly schedule (please see notes below). Your first week will include in-person active learning AND remote self-directed course content. This content will be available for you through several D2L pages. D2L is the online Learning Management System that UCalgary uses for all courses, and is used for communications, grades, course content, scheduling, and more. You have a D2L page for each course, as well as a D2L page for General First Year information.

For Students

- Office of the Registrar
- Student Success Centre
- Strategies for Online Learning Success
- Find textbooks at the bookstore
- Complete your surveys
- Library
- Received an email from Thrive?

Instructor Resources:

- Instructor Video Tutorials
First-Year D2L Schedule

Table of Contents  ›  First Week (Sept 6-9) Active Learning Content  ›  Sept 6-9 In Person block schedule

Sept 6-9 In Person block schedule

Block 1 - ICT 217

Block 2 - ICT 114

Block 3 - ENG 03

Block 4 - ENG 224

Block 5 - ENE 123/127

Block 12 - ENC 201
Schedule & Academics
What does that mean for you?

• Your block schedule only shows 1/3 of the actual expected time commitment:

• You are responsible for scheduling time for:
  • Reviewing lecture materials and readings (6-10 hours/week)
  • Study time (15-20 hours/week)
  • Extra Supports (1 – 3+ hours per week)
  • Extracurricular Activities

• You can expect on average **44 hours per week dedicated to Engineering**

• Active learning gives you flexibility to control your schedule, set your priorities, and customize how you spend your time.
First-Year D2L Schedule

Block Schedules F22-W23 Updated

[Diagram of block schedules]
Watch the lecture content **BEFORE** Active Learning
- Attend the live streaming sessions
- Take notes
- Write down your questions

Participate in your **ACTIVE LEARNING** sessions:
- Bring your questions
- Prepare to be an engaged and participate in your blocks

Schedule **STUDY TIME**
- Assignments
- Peer Assisted Study Sessions/Tutoring
- Closed-book practice
- Review concepts

Use your **Resources**
- Learning Assistants (Free tutoring!)
- PASS
- Study Strategy appointments
- Office hours
- MakerSpace
- Clubs & Teams
Effective Learning Strategies
Effective Learning Environments

Immediate Environmental Factors
- Sound
- Temperature
- Light
- Design

Sociological Factors
- Alone vs. with others
- White noise vs. silence

Physical Factors
- Intake
- Time of day
- Mobility
Self-Regulated Learning

Self-Regulated Learning is a cyclical process where students set goals, monitor their performance and reflect on the outcome (Zimmerman, 2002)

Plan
- Set intentional goals
- Come up with strategies

Perform
- Complete the task
- Monitoring performance

Evaluate
- Reflect on performance
- Make changes for future
What changes from High School?

Bloom's Taxonomy

- **Remember**
  - Recall facts and basic concepts
    - define, duplicate, list, memorize, repeat

- **Understand**
  - Explain ideas or concepts
    - classify, describe, discuss, explain, identify, report, select, translate

- **Apply**
  - Use information in new situations
    - execute, implement, solve, use, demonstrate, interpret, schedule, sketch

- **Analyze**
  - Draw connections among ideas
    - differentiate, organize, relate, compare, contrast, distinguish, experiment, question, test

- **Evaluate**
  - Justify a stand or decision
    - appraise, argue, defend, judge, select, support, value, critique

- **Create**
  - Produce new or original work
    - design, assemble, construct, conjecture, develop, formulate, author
The Curve of Forgetting

Regular review of material is critical

https://uwaterloo.ca/counselling-services/curve-forgetting
# Self-Testing

<table>
<thead>
<tr>
<th>Study/Practice</th>
<th>Self-testing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location can be noisy, distracting</td>
<td>Location mimics test environment</td>
</tr>
<tr>
<td>Notes, textbook, computer available</td>
<td>Only what’s allowed in actual test (e.g., calculator, pen, formula sheet, etc.)</td>
</tr>
<tr>
<td>Friends, profs, TAs can help</td>
<td>Solo effort</td>
</tr>
<tr>
<td>Practice problems, textbook review questions, rereading, note-making, flash cards</td>
<td>Answering questions in format of actual test (i.e., MC, T/F, short answer, essay, etc.)</td>
</tr>
<tr>
<td>No time limit</td>
<td>Timed (ideally equal to actual test)</td>
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Track your performance!

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<thead>
<tr>
<th>Topic</th>
<th>Self-Test 1</th>
<th>Self-Test 2</th>
<th>Self-Test 3</th>
<th>Night before</th>
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</thead>
<tbody>
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<td>Limits</td>
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<tr>
<td>Critical points</td>
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<td>Local extrema</td>
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<td>✔</td>
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<tr>
<td>Absolute extrema</td>
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<td>✗</td>
<td>✔</td>
<td>✗</td>
</tr>
</tbody>
</table>
What happens if something isn’t going well?
Supports in Schulich

- Learning Assistants (Tutoring)
- Peer Assisted Study Sessions
- Academic Development Appointments
- Office Hours
Learning Assistants

• FREE, Drop-In learning support
• Peer-to-peer (upper year Engineering students)
• Available throughout the week (schedule in D2L)
Learning Assistants CAN:

• Help with specific questions regarding content
• Help walk you through practice problems
• Answer questions regarding concepts, theories, and equations

Learning Assistants CANNOT:

• Do your homework for you
• Mediate group project dynamics
• Tell you the answer
Peer Assisted Group Study Sessions

• FREE

• Upper-year students who have done well in the course work with your course instructor to review particularly challenging topics

• Midterm & Final Review Sessions

• Students who attend 5 or more sessions in one course throughout the semester saw 1 full letter grade improvement over their peers that did not attend.
ADS Appointments

- 45 minutes
- One-on-one
- Appointments only
  - (no Drop-In)
- Free
- Student driven
- Engineering Student Centre
“What do I talk about?”

- Time management
- Procrastination
- Exam anxiety
- Note taking
- Focus
- Self-care
- Learning environments

- Homesickness
- Getting involved
- Online learning
- Exam preparation
- Goal-setting
- Errorful learning
- Communication strategies
Advising

- Download the QLess App to join the in-person or remote advising line-ups
  - Join the QLess In-Person Line for in-person advising held in ENC 205
  - Join the QLess Remote Line for online/virtual advising on Zoom
  - Check advising times and delivery types (in-person and remote are held at different times) by visiting: https://schulich.ucalgary.ca/current-students/undergraduate/student-resources/qless

- Email engginfo@ucalgary.ca
  - Send all of your communications from your Ucalgary email
  - On EVERY email, please include your UCID (put it in your signature!)
  - Be specific – if your questions are extremely in-depth, an advisor may recommend an advising session (QLess)
 References

