

University of  
Lethbridge



## Program Planning Guide

Name: \_\_\_\_\_

ID: \_\_\_\_\_

Calendar Year: 2022/2023

### Academic Calendar:

[www.ulethbridge.ca/ross/academic-calendar](http://www.ulethbridge.ca/ross/academic-calendar)

### High School Admission Requirements:

[www.ulethbridge.ca/ross/admissions/undergrad/high-school](http://www.ulethbridge.ca/ross/admissions/undergrad/high-school)

### Current and Past Program Planning Guides:

[www.ulethbridge.ca/ross/ppgs](http://www.ulethbridge.ca/ross/ppgs)

### Co-operative Education:

[www.ulethbridge.ca/artsci/coop](http://www.ulethbridge.ca/artsci/coop)

### Faculty of Arts and Science Advising:

[www.ulethbridge.ca/artsci/advising](http://www.ulethbridge.ca/artsci/advising)  
[artsci.advising@uleth.ca](mailto:artsci.advising@uleth.ca)  
403-329-5106  
M2102

### University of Alberta - Faculty of Engineering

[www.engineering.ualberta.ca](http://www.engineering.ualberta.ca)  
[enginfo@ualberta.ca](mailto:enginfo@ualberta.ca)

Faculty of Engineering  
Donadeo Innovation Centre for Engineering  
9211 116 St. N.W.  
University of Alberta  
Edmonton, Alberta T6G 1H9  
Tel. 780-492-3320; 1-800-407-8354

**The information provided in this Enclosure is updated annually but is subject to change at any time. Students are directed to consult with the University of Alberta for program and application details to ensure compliance with current requirements and deadlines.**

**Engineering**  
**University of Alberta**

This is a planning guide and not a graduation check or guarantee of course offerings. You should have a program check done in your final year of studies. Students are responsible for the accuracy of their own programs. The guide should be used in conjunction with the University of Lethbridge Calendar, which is the final authority on all questions regarding program requirements and academic regulations.

Contact an Academic Advisor ([www.uleth.ca/ross/academic-advising](http://www.uleth.ca/ross/academic-advising)) for advising information.

Name : \_\_\_\_\_

ID : \_\_\_\_\_

**Admission to the University of Alberta**

To be in a position to apply to the Faculty of Engineering at the University of Alberta, students must have completed the following 12 courses at the U of L:

**Required courses:**

- \_\_\_\_\_ Chemistry 1000 - General Chemistry I
- \_\_\_\_\_ Chemistry 2000 - General Chemistry II
- \_\_\_\_\_ Computer Science 1620 - Fundamentals of Programming I
- \_\_\_\_\_ Engineering 1100 - The Engineering Profession I (1.5 credit hours)
- \_\_\_\_\_ Engineering 1600 - Introduction to Engineering Design, Communication, and Profession
- \_\_\_\_\_ Engineering 2000 - Engineering Statics
- \_\_\_\_\_ Engineering 2060 - Engineering Mechanics
- \_\_\_\_\_ Mathematics 1410 - Elementary Linear Algebra
- \_\_\_\_\_ Mathematics 1565 - Accelerated Calculus I
- \_\_\_\_\_ Mathematics 2565 - Accelerated Calculus II
- \_\_\_\_\_ Physics 2130 - Waves, Optics and Sound
- \_\_\_\_\_ Writing 1200 - Writing for Engineering Students

A minimum GPA of 2.50 is required for admission into the second year of Engineering at the University of Alberta. Students presenting a GPA lower than 2.50 may be offered admission based on available seats. Students are expected to complete the required 12 courses in two successive terms.

**Note:** Students admitted to the Engineering Transfer Program must complete 12 courses as listed above in two consecutive Fall/Spring terms. If you do not plan to transfer to the University of Alberta after completion of the Spring Term Year One in the Engineering program, consult an Advisor. You must be in an appropriate UofL degree program in order to register in courses for the following academic year.

**Application Information for the Faculty of Engineering**

All of the specialized or discipline specific programs start in the second year and each has a limited number of spaces. On an annual basis the Faculty of Engineering reviews the number of spaces in all disciplines and may change the number of spaces in specific degree programs to reflect student demand and the market demand for these disciplines subject to the availability of Faculty resources. Please note that within that number each Engineering specialization has its own quota, so competition may vary.

**Application Information**

Documents required	Deadlines
Application (available at <a href="http://www.registrar.ualberta.ca">www.registrar.ualberta.ca</a> )	March 1
Faculty of Engineering Program Selection Form	April 30
Two official transcripts - final	June 15

The Faculty of Engineering offers the following specializations: Chemical, Chemical (Process Control Option), Chemical (Biomedical Option), Civil, Civil (Biomedical Option), Civil (Environmental Option), Computer, Computer (Nanoscale System Design Option), Computer (Software Option), Electrical, Electrical (Biomedical Option), Electrical (Nanoengineering Option), Materials, Materials (Biomedical Option), Materials (Nano and Functional Materials Option), Mechanical, Mechanical (Biomedical Option), Mining, Petroleum, Engineering Physics, and Engineering Physics (Nanoengineering Option).

Engineering students can follow the traditional four-year program, or the five-year Co-operative Education program. The academic component is identical, but the Co-op program includes 20 months of paid discipline-related work experience. Students apply to the Co-op program for second-year entry and must have a GPA of at least 2.30 to qualify.

**General Information**

Students should consult the Faculty of Engineering if concerned about:

- The pros and cons of repeating a course
- How 'D' grades are treated in the admission GPA
- How Cr/NC and P/F courses are treated
- Applying to Engineering from other degree programs
- Registering in a reduced courseload
- Calculation of program admission factor used in the second year admission process

Students who are interested in Engineering at the University of Alberta are urged to consult with Student Program Services and with the Engineering Advisor in the Department of Physics. Direct consultation with the University of Alberta is also encouraged.

