University of Lethbridge

Calendar Year: 2024/2025

PROGRAM PLANNING GUIDE

ID: | | | | | | | | | |

Name:_____

Engineering

University of Alberta

This transfer program allows you to complete the first year of your engineering degree here at the University of Lethbridge. After the successful completion of your courses, you will transfer to the University of Alberta (uAlberta) to complete your degree. We have developed a number of courses specific to uAlberta that will give you the best start to your engineering degree. Students pursuing a future in engineering have a number of opportunities available to them while at uLethbridge including co-operative education, international exchanges, independent and applied studies as well as volunteer opportunities.

What determines my program requirements?

Please refer to the Academic Calendar (www.ulethbridge.ca/ross/academic-calendar) for complete program information.

Calendar Year: 2024/2025 - Your calendar year is set to the academic year you are admitted (or readmitted) and you should follow the requirements for that year for the duration of your program.

Faculty/School: Faculty of Arts and Science (www.ulethbridge.ca/artsci)

The information provided in this guide 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.

Am I admissible to this program?

Admission: www.ulethbridge.ca/ross/admissions/undergrad
Transfer: www.ulethbridge.ca/ross/transfer-resources

When/How do I apply to the University?

Deadlines: www.ulethbridge.ca/ross/admissions/undergrad/deadlines
Step-by-Step: www.ulethbridge.ca/ross/admissions/step-by-step

Where can I find information on courses?

Course Catalogue: www.ulethbridge.ca/ross/courses
Registration Guide: www.ulethbridge.ca/ross/registration-guide

When can I register for classes?

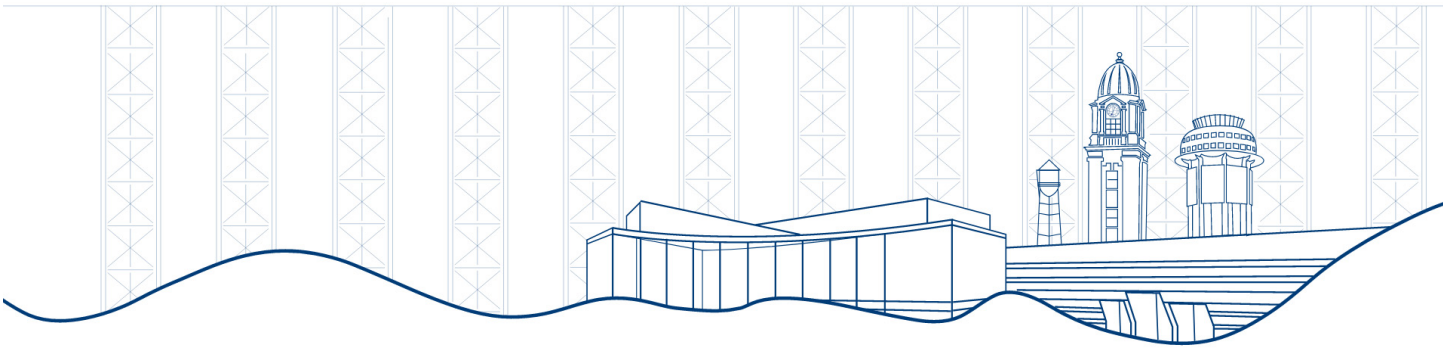
Register early! (March for Summer and Fall; November for Winter)
Registration Dates: www.ulethbridge.ca/ross/registration-dates

University of Alberta - Faculty of Engineering

Website: www.engineering.ualberta.ca
Email: engginfo@ualberta.ca
Telephone: 780-492-3320; 1-800-407-8354

What supports are available to students?

Student Services: www.ulethbridge.ca/campus-life/student-services
Student Success Centre: www.ulethbridge.ca/student-success-centre
Accessible Learning: www.ulethbridge.ca/ross/alc
Counselling Services: www.ulethbridge.ca/counselling



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Contact an Academic Advisor (www.ulethbridge.ca/ross/academic-advising) for advising information

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:

_____ 1. Chemistry 1000 - General Chemistry I
_____ 2. Chemistry 2000 - General Chemistry II
_____ 3. Computer Science 1620 - Fundamentals of Programming I
_____ 4. Engineering 1100 - The Engineering Profession (1.5 credit hours)
_____ 5. Engineering 1600 - Introduction to Engineering Design, Communication, and Profession
_____ 6. Engineering 2000 - Engineering Statics
_____ 7. Engineering 2060 - Engineering Mechanics
_____ 8. Mathematics 1410 - Elementary Linear Algebra
_____ 9. Mathematics 1565 - Accelerated Calculus I
_____ 10. Mathematics 2565 - Accelerated Calculus II
_____ 11. Physics 2130 - Waves, Optics and Sound
_____ 12. 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/Winter terms. If you do not plan to transfer to the University of Alberta after completion of the Winter Term Year One in the Engineering program, consult an Advisor. You must be in an appropriate U of L 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 www.ualberta.ca/registrar)	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 course load
- 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.