

University Transfer – General Sciences

2025-2026

General Science Programs

Whether students spend one or two years at Lakeland College depends upon their program choice, university, and major/minor; however, because we offer more courses in Biology, Chemistry, and Psychology, a major and minor in those subject areas will work best if students want to stay for a second year.

University of Alberta (U of A) Science Degrees

Email: science.recruiting@ualberta.ca

Or visit their website at: <https://www.ualberta.ca/science/index.html> or uab.ca/transfer

A variety of science programs are also offered by the Faculty of Agricultural, Life and Environmental Sciences. Options include degrees in Agriculture, Environmental Studies, Nutrition & Food Science, Forestry, Human Ecology, and Animal Health. Students would normally be advised to transfer after one year.

Visit their website at: <https://www.ualberta.ca/agriculture-life-environment-sciences/index.html>

Starting Fall 2024 students choose from two pathways, BSc (Major) versus BSc (Honors). The Bachelor of Science degree is designed to provide students with a diversified education and specialization in at least one subject area. Students must declare a Major subject area, and may declare a Minor subject area. Students in certain subject areas may declare a second Major subject area (from a list of eligible subject areas). Alternatively, students may choose to complete a Bachelor of Science with Honors degree, which provides a challenging and rewarding learning experience within a subject area. It offers a greater depth of engagement, including a research or capstone experience, and demands a higher standard of performance. They may declare a Minor subject area; they may not declare a second Major or Honors subject area.

The Bachelor of Science (Major and Honors) degree requires the following:

- 6 credits of English (ENGL 112)
- 3 credits of Indigenous knowledge (taken at U of A)
- 6 credits from outside the Faculty of Science from two of the following categories:
 - o Applied Sciences (HEED 110, PEDS 293/294, NUTR 110)
 - o Business (BA 120, LA 180, MK 170)
 - o Humanities, Fine Arts, and Performing Arts (DRAM 247/149, MUSIC 100, HIST 111/112/250/251/260/261)
 - o Social Sciences (EC 111/211, SOC 100, NS 110/111, PSYCO 105¹)
- 9 credits from within the Faculty of Science from each of the following categories:
 - o Basic Sciences (BIOL 107/108, CHEM 101, PHYS 124)
 - o Formal Sciences (MATH 113, STAT 151)
 - o Specialized Sciences (ASTR 120, BIOL 207/208, EAS 100, PSYCO 104¹)
- Major and/or minor. Check the calendar for information regarding the options and possible class choices.
https://calendar.ualberta.ca/preview_program.php?catoid=56&poid=84329&returnto=17479
- Electives

Year One

Semester 1	Courses	Semester 2	Courses
ENGL 112		ENGL 112	
Outside Science		Outside Science	
Within Science		Within Science	
Within Science or Elective		Within Science or Elective	
Major		Major	

¹ PSYCO 104 is offered by the Faculty of Science, and PSYCO 105 is offered by the Faculty of Arts.

² PHYS 126 is only offered every two years

Year Two – Will depend upon what was taken in Year One and the major/minor choice.

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University of Saskatchewan (USask) Science Degrees

Submit a [general inquiry request form](#).

Or visit their website at: <https://artsandscience.usask.ca/>

The following are the requirements for Biology, Chemistry, Computer Science, or Psychology 4-year routes. They have very similar College and Breadth Requirements.

- 15 credits of College Requirement
 - o 6 credits in English (ENGL 112)
 - o 3 credits in Indigenous Learning (NS 110 and 111¹, ENGL 224²)
 - o 6 credits of Quantitative Reasoning
 - Biology: MATH 113, STAT 151³
 - Chemistry: MATH 113/115
 - Computer Science: All completed at USask
 - Psychology: MATH 113/115
- 9 credits⁴ of Breadth Requirement with at least 3 credits from humanities or social sciences
 - o Fine Arts (DRAM 247, MUS 100)
 - o Humanities (NS 171)
 - o Social Sciences (EC 111/211, PSYCO 104/105, SOC 100/102/224²/225/271²/282)

Major

- Biology
 - o Mandatory: CHEM 101/102, BIOL 107/108
 - o Pick one of: EAS 100, PHYS 124
- Chemistry
 - o Mandatory: PHYS 124/126⁵, CHEM 101/102
 - o Pick one of: BIOL 107/108, EAS 100
- Computer Science
 - o Pick three of: BIOL 107/108, CHEM 101/102, EAS 100/105, PHYS 124/126⁵
 - o Math requirement: MATH 113
- Psychology
 - o Mandatory: BIOL 107/108, CHEM 101, PHYS 124⁵, PSYCO 104/105

Note: No more than 6 credit units from one subject may be used in the above requirements.

If you are looking at a different major route, look here: <https://programs.usask.ca/arts-and-science/programs.php>

Year One – Majors of Biology, Chemistry, Computer Science, or Psychology

Semester 1	Courses	Semester 2	Courses
ENGL 112		ENGL 112	
Breadth or Indigenous		Breadth or Indigenous	
Quantitative or Breadth or Elective		Quantitative or Breadth or Elective	
Major requirement		Major requirement	
Major requirement		Major requirement or Elective	

¹ In order to get the INDG 107.3 requirement, students must take both NS 110 and 111. Students also receive 3 credits of unspecified credit.

² A year two course option

³ STAT 151 used to only transfer as STAT 244.3, which didn't work for science. PLSC 214.3 is also listed, which does work

⁴ Psychology only requires 3 credits

⁵ PHYS 126 is typically offered every two years. It is not recommended to take 124 without 126 as they transfer as unspecified credit separately.

⁶ Not required if EC 111/211 was picked as one of the social science breadth requirements

⁷ Certain electives are not accepted in the College of Arts and Sciences, so students planning to transfer to Arts at USask are advised to NOT enroll in the following courses: Education, HEED 110, PAC 100/137, or PEDS 293/294. These courses may transfer to USask and be accepted by other departments.

Year Two – Will depend upon what was taken in Year One and the major/minor choice. As per residency regulations, if you are choosing to do a 3-year degree, it is best to transfer after one year, no matter what major is chosen.

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MacEwan University Science Degrees

Email: artsandscience@macewan.ca

Or visit their website at: <https://www.macewan.ca/academics/programs/bachelor-of-science/>

First Year of Study at Lakeland College

Depending upon the choice of major and minor, students may be able to complete up to 60 credits of coursework at Lakeland College. Students should speak to the Academic Advisor about their options for a second year at Lakeland College. Students will complete a major, and then either one minor, two minors, or a secondary Science major.

The Bachelor of Science degree requires the following breadth requirements:

- 6 credits in Biology or Earth (BIOL 107/108, EAS 100)
- 6 credits in Chemistry or Physics (CHEM 101/102, PHYS 124/126¹)
- 6 credits in English (ENGL 112)
- 6 credits in Humanities (HIST 111/112/250/260/261, NS 171)
- 6 credits in Mathematics (MATH 113 and either MATH 115 or STAT 151)
- 6 credits in Social Sciences (EC 111/211, PSYCO 104/105, SOC 100/102/224²/225/271²/282)

Year One

Semester 1	Courses	Semester 2	Courses
ENGL 112		ENGL 112	
Mathematics		Mathematics	
Chemistry or Physics		Chemistry or Physics	
Biology or Earth Science		Biology or Earth Science	
Social Sciences or Humanities		Social Sciences or Humanities	

¹ PHYS 126 is sometimes only offered every two years

² A year two course option

Year Two – Will depend upon what was taken in Year One and major/minor choice.

University of Calgary (U of C) Science Degrees

Email: science.advising@ucalgary.ca

Or visit their website at: <https://science.ucalgary.ca/>

Courses are specific to the major; there isn't a general first year. We must refer to U of C's academic calendar to decide what courses to take. <https://calendar.ucalgary.ca/programs>

Roles and Responsibilities

The college experience works best when we communicate and work together. Here are some tips on how to do that:

Academic Advising is a partnership and shared responsibility between students and advisors. Academic Advisors at Lakeland College provide information and resources that help students make informed decisions about their course selection and transfer options. However, students are ultimately responsible for ensuring that their course registration is complete and appropriate for their desired program of study and that they meet individual course pre-requisites and graduation requirements. Students who change their routes should be aware that there may not be room in the new program for all previously completed courses.

Students intending to transfer to another post-secondary institution should be aware of the following:

- Admission to Lakeland College and completion of courses does not guarantee admission to programs at other institutions. Students must also meet the entrance requirements of the post-secondary institution which may include specific high school pre-requisites, as well as minimum and/or competitive GPAs.

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- Students must also follow the admission procedures of the receiving institution which includes submission of transcripts (high school, post-secondary, and Advanced Placement marks); adherence to deadlines; and payment of fees.
- There may be quotas on the number of students admitted to the program at the receiving institution. For example, some programs may admit a limited number of out-of-province or international students.
- Some receiving institutions specify a minimum grade for transfer credit.
- Courses may be “too old” to transfer as—depending upon the area—they may have a “shelf life” (a time limit on the granting of transfer credit).
- When applying to a post-secondary institution, students need to carefully read and follow all information supplied by that institution. All students are strongly advised to refer to the Academic Calendar of the receiving institution and should contact appropriate departments regarding specific requirements.

If students encounter problems with transferring, they are encouraged to bring all documentation and contact names from the receiving institution to the Lakeland College Registrar or Academic Advisor for review.