

University of
Lethbridge



Program Planning Guide

Name: _____

ID: _____

Calendar Year: 2021/2022

Major in General Major in the Sciences:

www.uleth.ca/artsci/general-majors

Academic Calendar:

www.uleth.ca/ross/academic-calendar

High School Admission Requirements:

www.uleth.ca/ross/admissions/undergrad/high-school

Current and Past Program Planning Guides:

www.uleth.ca/ross/ppgs

Co-operative Education:

www.uleth.ca/career-bridge/co-operative-education

Faculty of Arts and Science Advising:

www.uleth.ca/artsci/advising
artsci.advising@uleth.ca
403-329-5106
M2102

Faculty of Education Advising:

www.uleth.ca/education/student-advising
edu.sps@uleth.ca
403-329-2254
TH421

General Major in the Sciences/Mathematics Education

Bachelor of Science/Bachelor of Education

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) for advising information.

Name : _____

ID : _____

Program Requirements

Completion of at least 30 courses (90.0 credit hours) from disciplines offered by the Faculty of Arts and Science, Faculty of Fine Arts, or School of Liberal Education with a grade point average of at least 2.00.

Completion of the equivalent of 20 courses (60.0 credit hours) in Education with a program grade point average of at least 2.50 in Education courses and the appropriate major.

Major Requirements (16 courses)

First Disciplinary Stream: Mathematics

Seven courses (21.0 credit hours) in Mathematics or Statistics

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____

Four courses (12.0 credit hours) in each of two other disciplinary streams chosen from the list below:

Second Disciplinary Stream: _____

1. _____
2. _____
3. _____
4. _____

Third Disciplinary Stream: _____

1. _____
2. _____
3. _____
4. _____

- Archaeology - all courses designated Science
- Biological Sciences - all Biology courses
- Chemistry - all courses (including courses in Biochemistry)
- Computer Science - all courses
- Geography - all courses designated Science (including courses in Geology)
- Kinesiology - all courses designated Science (neither Kinesiology 1160 nor Kinesiology 1161 may be included)
- Neuroscience - all courses
- Physics - all courses (including courses in Astronomy and Engineering)
- Psychology - all courses designated Science

One of (Science in Human Affairs):

- _____ Biochemistry 2300 - Elements of Human Nutrition
- _____ Biology 2500 - Biology and Society
- _____ Environmental Science 2000 - Fundamentals of Environmental Science
- _____ Philosophy 2233 - Philosophy and the World View of Science: Earth and Life Sciences
- _____ Philosophy 2234 - Philosophy and the World View of Science: Space, Time and Matter
- _____ Philosophy 3402 - Biomedical Ethics
- _____ Physics 2020 - The Physics of Everyday Life

_____ Of the 16 courses (48.0 credit hours) required in the major, six courses (18.0 credit hours) must be at the 3000/4000 level

Other Courses (minimum 14 courses)

Courses offered by the Faculty of Arts and Science, Faculty of Fine Arts, or School of Liberal Education only (no courses labelled ABHL, ACCT, ADCS, AGEM, CDEV, CRED, EDUC, FINC, HLSC, HRLR, IGBM, IMGT, MGT, MKTG, NURS, PUBH, or TREC unless cross-listed with a course from one of the above faculties)

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____

Education Requirements (20-course equivalent)

- _____ Education 2500 - Orientation to Teaching
- _____ Professional Semester I (15.0 credit hours)
- _____ Professional Semester II (15.0 credit hours)
- _____ Professional Semester III (15.0 credit hours)

_____ Education Foundation: _____

_____ Three Education Electives:

1. _____
2. _____
3. _____

Notes

To determine if a given course in a disciplinary stream has a Science designation, see List III: Science Courses (refer to the 2021/2022 University of Lethbridge Calendar, p. 79).

Some of the Science in Human Affairs courses have prerequisites which may or may not be included in the major.

Students are strongly encouraged to choose Science disciplines which are school subject areas or are taught in the provincial curriculum.

Completion of the Liberal Education List Requirement (Lib Ed Requirement)

Only four courses (12.0 credit hours) in total may be counted from any one discipline toward the Lib Ed Requirement. Disciplines are identified by separate course subject codes.

Only four courses (12.0 credit hours) in total from the Faculty of Education (EDUC), Faculty of Health Sciences (ABHL, ADCS, HLSC, NURS, PUBH, and TREC), and the Dhillon School of Business (ACCT, AGEM, FINC, HRLR, IGBM, IMGT, MGT, and MKTG) may be counted towards the Lib Ed Requirement, but could be deemed extra to program.

See the 2021/2022 Calendar, p. 79, for more information.

_____ Four Fine Arts and Humanities courses:

1. _____
2. _____
3. _____
4. _____

_____ Four Social Science courses:

1. _____
2. _____
3. _____
4. _____

_____ Four Science courses:

1. _____
2. _____
3. _____
4. _____

Maximum of 10 courses (30.0 credit hours) may be completed at the 1000 level (or lower) [0500 - 1999] for credit towards the degree, excluding Activity courses (labelled PHAC and MUSE) and courses numbered in the range of 0520 to 0530.

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

_____ **Education Minor (Optional):** _____

See the 2021/2022 Calendar, p. 155, for more information.

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

(Education methods requirement)

Minimum of 10 courses (30.0 credit hours) from disciplines offered by the Faculty of Arts and Science, Faculty of Fine Arts, or the School of Liberal Education at the 3000/4000 level, excluding Activity courses (labelled PHAC and MUSE). Out-of-faculty courses (i.e. labelled ABHL, ACCT, ADCS, AGEM, CDEV, CRED, EDUC, FINC, HLSC, HRLR, IGBM, IMGT, MGT, MKTG, NURS, PUBH, and TREC) will not meet this requirement.

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

_____ Not more than three Independent Study courses (9.0 credit hours) may be completed for credit towards the degree.

_____ Not more than three Disciplinary Credit Applied Studies courses (9.0 credit hours) may be completed for credit towards the degree. Students may, in addition, complete Applied Studies 2000, 2001, 2010, and 2011.

_____ *Not more than 17 courses (51.0 credit hours) may be completed from any one discipline for credit towards the degree.

_____ Not more than six credit hours in Activity courses (i.e. courses labelled PHAC and MUSE) may be completed for credit towards the degree, except for Kinesiology majors (not more than 15.0 credit hours) and Music majors (not more than 12.0 credit hours).

_____ Residence requirement:

Degree: Arts and Science

at least 15 courses (45.0 credit hours) offered by the Faculty of Arts and Science, Faculty of Fine Arts, or School of Liberal Education must be completed at the University of Lethbridge.

Education

at least 15 courses (45.0 credit hours) offered by the Faculty of Education must be completed at the University of Lethbridge.

Major: at least half of the courses required in the major must be completed at the University of Lethbridge.

**Disciplines are identified by a specific course label (e.g. KNES, ASTR, and HIST are separate disciplines).*

_____ **Education Specialization (Optional):** _____

See the 2021/2022 Calendar, p. 161, for more information.

1. _____
2. _____
3. _____
4. _____
5. _____

(Specialization Internship)

Sample Sequencing Plan

Shown below is a sample sequence of courses for your degree. Consult timetables for course offerings, prerequisites, and corequisites before registering each term. This is just one example of how you could complete your major and degree requirements; you may find that a different sequence works as well as this one.

Year 1, Fall

Mathematics 1560 or
Mathematics 1565
Second stream course
Third stream course
Lib Ed Requirement course
Lib Ed Requirement course

Year 2, Fall

Education 2500¹
Mathematics 1410
Statistics 1770
Third stream course
Lib Ed Requirement course

Year 3, Fall

Professional Semester I

Year 4, Fall

Mathematics/Statistics 3000/4000
level
Third stream course 3000/4000 level
Science in Human Affairs course
Elective 3000/4000 level
Elective 3000/4000 level

Year 5, Fall

Professional Semester III

Year 1, Spring

Mathematics 2560 or
Mathematics 2565
Second stream course
Lib Ed Requirement course
Lib Ed Requirement course
Lib Ed Requirement course

Year 2, Spring

Mathematics 2000
Second stream course
Third stream course 3000/4000 level
Lib Ed Requirement course
Lib Ed Requirement course

Year 3, Spring

Mathematics/Statistics 3000 level
Second stream course 3000/4000
level
Elective 3000/4000 level
Elective 3000/4000 level
Elective

Year 4, Spring

Professional Semester II

Year 5, Spring

Education Foundation course
Education elective
Education elective
Education elective
Mathematics/Statistics 3000/4000
level

Elementary Education and Inclusive Education students will reverse the fall and spring terms in Year 5 and complete PS III in the spring.

¹ Education 2500 must be completed (with a Pass Recommend) before admission. It may be taken in the spring or summer term immediately prior to the fall intake.

Faculty of Education Admission

To be considered for admission to the Faculty of Education, successful completion of the following is required:

- _____ 14 graded term courses (42.0 credit hours).
- _____ **Education Admission GPA:** Minimum cumulative grade point average of 2.50 on all U of L and transferable courses taken within the terms containing the last 14 courses (42.0 credit hours). All courses must be graded.
- _____ Minimum of eight courses (24.0 credit hours) in the 16-course General Major, including at least four courses (12.0 credit hours) in the first disciplinary stream.
- _____ **Major GPA:** Minimum cumulative grade point average of 2.50 on all graded courses comprising the major, including all transferable courses.
- _____ Credit in Education 2500 - Orientation to Teaching (or equivalent) prior to the fall program intake, including a favourable recommendation from the instructor.

Students are advised to contact Student Program Services in the Faculty of Education (TH421; tel. 403-329-2254) for guidelines regarding the requirements stated above. For specific information on admission requirements, please refer to the Combined Degrees section of the Academic Calendar:

www.uleth.ca/ross/academic-calendar/cal_doc.pdf

Students of Indigenous descent, and students with a significant shift in academic performance, are advised to refer to the current Calendar for the Faculty of Education's Special Case Admission policies.

Combined Degrees Program:

Students begin this program in the Faculty of Arts and Science where they progress toward completion of Arts and Science degree requirements, and prepare to meet the admission requirements for the Faculty of Education. Please note that completion of admission requirements does not guarantee admission to the Faculty of Education.

Application and Document deadlines:

www.uleth.ca/ross/admissions/undergrad/deadlines

