Program Planning Guide

Program: Bachelor of Science/Bachelor of Education (B.Sc./B.Ed.)
Major (Arts and Science): General Major in the Sciences
Major (Education): Science Education
Calendar Year: 2019/2020

Name:______________________________
ID:_______________________________

Academic Calendar:
www.uleth.ca/ross/academic-calendar

High School Admission Requirements:
www.uleth.ca/ross/admissions/undergrad/high-school

Faculty of Education Admission Requirements:
www.uleth.ca/education/programs-degrees/
undergraduate-studies/admission

Current and Past Program Planning Guides:
www.uleth.ca/ross/ppgs

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

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 in the Faculty of Arts and Science or Faculty of Education for advising information.
Bachelor of Science/Bachelor of Education

Calendar Year - 2019/2020

Name: ___________________________________________________________  ID: _______________________

B.Sc./B.Ed. (General Major in the Sciences/Science Education)
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 chosen from: Biology, Chemistry, Physical Geography, or Physics
1. __________________
2. __________________
3. __________________
4. __________________
5. __________________
6. __________________
7. __________________

Second Disciplinary Stream chosen from: Biology, Chemistry, Physical Geography, or Physics
8. __________________
9. __________________
10. __________________
11. __________________
12. __________________
13. __________________
14. __________________
15. __________________

Third Disciplinary Stream (chosen from the disciplinary streams at right)
16. Science in Human Affairs course from the following list:
   - Biochemistry 2300 - Elements of Human Nutrition
   - 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

Additional Course

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, ADCS, CDEV, CRED, EDUC, HLSC, MGT, 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. __________________

For a General Major in the Sciences/Science Education, choose one other disciplinary stream from the following list:
- Archaeology - all courses designated Science
- Biological Sciences - all Biology courses
- Chemistry - all courses (includes courses in Biochemistry
- Computer Science - all courses
- Geography - all courses designated Science (includes courses in Geology
- Kinesiology - all courses designated Science (neither Kinesiology 1160 nor Kinesiology 1161 may be included)
- Mathematics - all courses (including courses in Statistics
- Neuroscience - all courses
- Physics - all courses (includes courses in Astronomy and Engineering
- Psychology - all courses designated Science

Education Requirements (20-course equivalent)
- Education 2500 - Practicum I - 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 in the 2019/2020 University of Lethbridge Calendar, School of Liberal Education for complete information.

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. Out-of-faculty courses (i.e. labelled ABHL, ADCS, CDEV, CRED, HLSC, MGT, NURS, PUBH, and TREC) will not meet this requirement.

See the 2019/2020 Calendar, p. 83, for more information.

LIST I: Fine Arts and Humanities Courses

1. __________________  3. __________________
2. __________________  4. __________________

LIST II: Social Science Courses

1. __________________  3. __________________
2. __________________  4. __________________

LIST III: Science Courses

1. __________________  3. __________________
2. __________________  4. __________________

Not more than 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. __________________  6. __________________
2. __________________  7. __________________
3. __________________  8. __________________
4. __________________  9. __________________
5. __________________  10. __________________ (max.)

Completion of at least 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, ADCS, CDEV, CRED, EDUC, HLSC, MGT, NURS, PUBH, and TREC) will not meet this requirement.

1. __________________  6. __________________
2. __________________  7. __________________
3. __________________  8. __________________
4. __________________  9. __________________
5. __________________  10. __________________ (min.)

Education Minor (If Applicable): __________________
See the 2019/2020 Calendar, p. 146, for eligible minors.

1. __________________  4. __________________
2. __________________  5. __________________
3. __________________  6. __________________ Education (methods requirement)

Education Specialization (If Applicable): __________________
See the 2019/2020 Calendar, p. 150, for details.

1. __________________  4. __________________
2. __________________  5. __________________
3. __________________

Please refer to page 4 of this guide for Faculty of Education admission requirements.
Sample Sequencing Plan

Shown below is a sample sequence of courses for your degree. If you follow this plan, you should be able to graduate in five years, provided you complete five courses per 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.

<table>
<thead>
<tr>
<th>Year 1, Fall</th>
<th>Year 2, Fall</th>
<th>Year 3, Fall</th>
<th>Year 4, Fall</th>
<th>Year 5, Fall</th>
</tr>
</thead>
<tbody>
<tr>
<td>First stream course</td>
<td>First stream course</td>
<td>Professional Semester I</td>
<td>First stream course 3000/4000 level</td>
<td>Professional Semester III</td>
</tr>
<tr>
<td>Second stream course</td>
<td>Second stream course</td>
<td></td>
<td>Third stream course 3000/4000 level</td>
<td></td>
</tr>
<tr>
<td>Third stream course</td>
<td>Third stream course</td>
<td></td>
<td>Second stream course 3000/4000 level</td>
<td></td>
</tr>
<tr>
<td>Lib Ed Requirement course</td>
<td>Lib Ed Requirement course</td>
<td></td>
<td>Science in Human Affairs course</td>
<td></td>
</tr>
<tr>
<td>Lib Ed Requirement course</td>
<td>Lib Ed Requirement course</td>
<td></td>
<td>Elective 3000/4000 level</td>
<td></td>
</tr>
<tr>
<td>Lib Ed Requirement course</td>
<td>Lib Ed Requirement course</td>
<td></td>
<td>Elective 3000/4000 level</td>
<td></td>
</tr>
<tr>
<td>Lib Ed Requirement course</td>
<td>Lib Ed Requirement course</td>
<td></td>
<td>Elective</td>
<td></td>
</tr>
<tr>
<td>Year 1, Spring</td>
<td>Year 2, Spring</td>
<td>Year 3, Spring</td>
<td>Year 4, Spring</td>
<td>Year 5, Spring</td>
</tr>
<tr>
<td>First stream course</td>
<td>First stream course</td>
<td>First stream course 3000/4000 level</td>
<td>First stream course 3000/4000 level</td>
<td>Elective 3000/4000 level</td>
</tr>
<tr>
<td>Second stream course</td>
<td>Second stream course</td>
<td>Third stream course 3000/4000 level</td>
<td>Third stream course 3000/4000 level</td>
<td>Education elective</td>
</tr>
<tr>
<td>Third stream course</td>
<td>Third stream course</td>
<td>Second stream course 3000/4000 level</td>
<td>Second stream course 3000/4000 level</td>
<td>Education elective</td>
</tr>
<tr>
<td>Lib Ed Requirement course</td>
<td>Lib Ed Requirement course</td>
<td></td>
<td>Science in Human Affairs course</td>
<td>Education elective</td>
</tr>
<tr>
<td>Lib Ed Requirement course</td>
<td>Lib Ed Requirement course</td>
<td></td>
<td>Elective</td>
<td>Education elective</td>
</tr>
<tr>
<td>Lib Ed Requirement course</td>
<td>Lib Ed Requirement course</td>
<td></td>
<td>Elective</td>
<td></td>
</tr>
</tbody>
</table>

Terms Used

Lib Ed Requirement course: A course that could count toward the Liberal Education List Requirement. You may use courses in your major towards this 12-course requirement. As some courses may not fit specific program requirements, students should consult their Faculty advising office. See the 2019/2020 University of Lethbridge Calendar, School of Liberal Education for complete information.

The School of Liberal Education offers Liberal Education 1000 and 2000, specifically designed to introduce first-year students to the wide scope of human knowledge and teach essential university success skills, critical thinking, and integrative thinking (see the 2019/2020 University of Lethbridge Calendar, Course Catalogue). LBED 1000 and 2000 may be used toward satisfying the Lib Ed Requirement.

Elective: A course that you may choose freely from all those available and applicable to your program. Use courses inside or outside your major, bearing in mind any restrictions that may apply (e.g., a maximum of 17 courses from any one discipline).

Faculty of Education Admission

Admission to the Faculty of Education requires successful completion of the following:

- _____ 14 graded term courses (42.0 credit hours).
- _____ 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.
- _____ Minimum cumulative grade point average of 2.50 on all graded courses comprising the major, including all transferable courses.
- _____ Credit in Education 2500 - Practicum I - Orientation to Teaching (or equivalent) including a favourable recommendation from the instructor.

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 policy.

Application and Document deadlines:

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

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.

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 also be taken in the spring or summer term immediately prior to the fall intake.