

University of
Lethbridge



Program Planning Guide

Calendar Year: 2016/2017

Name: _____

ID: _____

Bachelor of Science General Major in the Sciences

General Major in the Sciences:

www.uleth.ca/artsci/general-majors

Academic Calendar:

www.uleth.ca/ross/academic-calendar

High School Prerequisites by Course:

www.uleth.ca/ross/hs_prereqs/course

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
SU060

Co-operative Education:

www.uleth.ca/artsci/coop

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 for advising information.

Name : _____

ID : _____

B.Sc. General Major in the Sciences

Completion of at least 40 courses (120.0 credit hours) with a grade point average of at least 2.00.

Major Requirements (20 courses)

First
Disciplinary
Stream { 1. _____
2. _____
3. _____
4. _____
5. _____

Second
Disciplinary
Stream { 6. _____
7. _____
8. _____
9. _____
10. _____

Third
Disciplinary
Stream { 11. _____
12. _____
13. _____
14. _____
15. _____

Electives
(chosen from the
disciplinary
streams at right) { 16. _____
17. _____
18. _____
19. _____

Additional Course 20. 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

Other Courses (minimum 20 courses)

1. _____ 11. _____
 2. _____ 12. _____
 3. _____ 13. _____
 4. _____ 14. _____
 5. _____ 15. _____
 6. _____ 16. _____
 7. _____ 17. _____
 8. _____ 18. _____
 9. _____ 19. _____
 10. _____ 20. _____

For a General Major in the Sciences, choose three disciplinary streams from the following list:
 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
 Mathematics - all courses (including courses in Statistics)
 Neuroscience - all courses
 Physics - all courses (including courses in Astronomy and Engineering)
 Psychology - all courses designated Science

Notes

To determine if a given course in a disciplinary stream has a Science designation, see List III: Science Courses (Part 4, p. 88).
 Some of the Science in Human Affairs courses have prerequisites which may or may not be included in the major.
 See also:

- Bachelor of Science/Bachelor of Education - General Major in the Sciences/Science Education
- Bachelor of Science/Bachelor of Management - General Major in the Sciences

_____ **Seven courses of the 20 required for the major must be at the 3000/4000 level**

Completion of the General Liberal Education Requirement (GLER).

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

Only four courses (12.0 credit hours) from each of the Faculties of Education (EDUC), Health Sciences (ADCS, HLSC, PUBH, and TREC), and Management (MGT) may be counted towards the GLER.

See the 2016/2017 Calendar, p. 86, 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 12 courses (36.0 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).

- 1. _____ 7. _____
- 2. _____ 8. _____
- 3. _____ 9. _____
- 4. _____ 10. _____
- 5. _____ 11. _____
- 6. _____ 12. _____ (max.)

Completion of at least 15 courses (45.0 credit hours) from disciplines offered by the Faculty of Arts and Science or the Faculty of Fine Arts at the 3000/4000 level, excluding Activity courses (labelled PHAC and MUSE).

- 1. _____ 9. _____
- 2. _____ 10. _____
- 3. _____ 11. _____
- 4. _____ 12. _____
- 5. _____ 13. _____
- 6. _____ 14. _____
- 7. _____ 15. _____ (min.)
- 8. _____

____ Not more than five Independent Study courses (15.0 credit hours) may be completed for credit towards the degree.

____ Not more than five Disciplinary Credit Applied Studies courses (15.0 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 24 courses (72.0 credit hours) may be completed from any one discipline for credit towards the degree.

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

____ 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).

____ Not more than four courses (12.0 credit hours) from disciplines offered outside the Faculty of Arts and Science or the Faculty of Fine Arts may be completed for credit towards the degree (i.e. labelled ADCS, CDEV, CRED, EDUC, HLSC, MGT, NURS, PUBH, and TREC). Courses cross-listed between the Faculty of Arts and Science and another Faculty do not count towards this limit.

____ **Residence requirement:**

Degree: a minimum of 20 courses (60.0 credit hours) must be completed at the University of Lethbridge, including at least 10 Arts and Science courses (30.0 credit hours) at the 3000/4000 level.

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

Minor (Optional): _____
See the 2016/2017 Calendar, p. 142, for eligible minors.

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

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 four years, provided you complete five courses per semester. 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.

<p>Year 1, Fall First Stream course Second Stream course GLER course GLER course GLER course</p> <p>Year 2, Fall First Stream course Second Stream course Science elective GLER course GLER course</p> <p>Year 3, Fall First Stream course 3000/4000 level Second Stream course 3000/4000 level Science elective Elective 3000/4000 level Elective</p> <p>Year 4, Fall First Stream course 3000/4000 level Third Stream course Science elective 3000/4000 level Elective 3000/4000 level Elective 3000/4000 level</p>	<p>Year 1, Spring First Stream course Second Stream course Third Stream course GLER course GLER course</p> <p>Year 2, Spring Third Stream course Science in Human Affairs course GLER course Elective Elective</p> <p>Year 3, Spring Third Stream course Science elective 3000/4000 level Elective 3000/4000 level Elective 3000/4000 level Elective</p> <p>Year 4, Spring Second Stream course 3000/4000 level Third Stream course 3000/4000 level level Elective 3000/4000 level Elective 3000/4000 level Elective 3000/4000 level</p>
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Note: Students should ensure that prerequisites for senior courses in their chosen disciplinary streams are completed in the first two years. Please consult the current Calendar or Timetable and Registration Guide for prerequisites.

Terms Used

GLER course: A course that could count toward the General Liberal Education Requirement (see below). You may use courses in your major towards this 12-course requirement. See the 2016/2017 University of Lethbridge Calendar, Part 4 - Academic Regulations for complete information.

The Faculty of Arts and Science 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 2016/2017 University of Lethbridge Calendar, Part 14 - Courses). LBED 1000 and 2000 which may be used toward satisfying the GLER.

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 24 courses from any one discipline).

