

University of
Lethbridge



Program Planning Guide

Name: _____

ID: _____

Calendar Year: 2021/2022

Major in Environmental Science:

www.uleth.ca/artsci/environmental-science

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

Post-Diploma Bachelor of Science Environmental Science

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 20 courses (60.0 credit hours) from disciplines offered by the Faculty of Arts and Science, Faculty of Fine Arts, or School of Liberal Education (i.e. no courses labelled ABHL, ACCT, ADCS, AGEM, CDEV, CRED, EDUC, FINC, HLSC, HRLR, IGBM, IMGT, MGT, MKTG, NURS, PUBH, or TREC) with a grade point average of at least 2.00.

Required core (14 courses)

- _____ Biology 1010 - Cellular Basis of Life
- _____ Biology 2000 - Principles of Genetics
- _____ Environmental Science 4000 - Selected Studies in Environmental Science II (Series)
- _____ Geography 2300 - Weather and Climate
- _____ Geography 3740 - Geographical Information Systems

One of:

- _____ Physics 1050 - Introduction to Biophysics
- _____ Statistics 1770 - Introduction to Probability and Statistics

One of:

- _____ Biology 2150 - Biostatistics
- _____ Geography 2700 - Geographical Data and Analysis

Three of:

- _____ Biology 3300 - Evolution
- _____ Biology 3460 - Plant Physiology
- _____ Biology 3520 - Invertebrate Zoology
- _____ Biology 3530 - Vertebrate Zoology
- _____ Biology 3630 - Field Biology
- _____ Biology 3660 - Field Botany
- _____ Biology 3700 - Ecosystem Ecology
- _____ Biology 3710 - Population Biology
- _____ Biology 3720 - Community Ecology
- _____ Biology 4605 - Conservation Biology
- _____ Biology 4700 - Molecular Ecology
- _____ Biology 4710 - Evolutionary and Ecological Modelling
- _____ Biology 4740 - Behavioural Ecology
- _____ Biology 4800 - Biology of Parasitism

_____ Two courses (6.0 credit hours) in Geography or Geology at the 3000/4000 level, with a Science designation

1. _____
2. _____

_____ Two lab-based courses (6.0 credit hours) in Chemistry at the 1000 level or above (preferably Chemistry 1110 - Chemistry for Life Sciences I and Chemistry 2120 - Chemistry for Life Sciences II)

1. _____
2. _____

Electives (six courses):

_____ Three courses (9.0 credit hours) from List I: Fine Arts and Humanities

1. _____
2. _____
3. _____

_____ One course (3.0 credit hours) from List II: Social Sciences

1. _____

_____ One course (3.0 credit hours) from List I: Fine Arts and Humanities or List II: Social Sciences

1. _____

_____ One additional course (3.0 credit hours) at the 3000/4000 level, excluding Activity courses (labeled PHAC and MUSE)

1. _____

Notes

Courses labeled as “electives” may be used towards a minor if a minor is chosen. Additional courses (apart from the core and elective courses) must be completed if a concentration is declared.

To determine if a given course has a Fine Arts and Humanities, Social Science, or Science designation, see List I: Fine Arts and Humanities Courses, List II: Social Science Courses, and List III: Science Courses (refer to the 2021/2022 University of Lethbridge Calendar, p. 79).

No more than two Independent Study courses (3990 or 4990; 6.0 credit hours) may be counted towards the program.

Students may not take for credit those courses offered by Biological Sciences or Geography that have close equivalents in the college diploma program. These excluded courses include the following: Biology 1020, Biology 2200, Geography 1000, Geography 2735, Geography 3080, and Geology 2060.

_____ **Concentration: Geographical Information Science (Optional)**
See the 2021/2022 Calendar, p. 139, for more information.

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

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

Biology 1010
Chemistry 1110¹
 Geography 2300
 Physics 1050 or Statistics 1770
 Lib Ed Requirement course

Year 2, Fall

Biology list course
 Biology list course
 Environmental Science 4000
 Geography 3740
 Lib Ed Requirement course

Year 1, Spring

Biology 2000
Biology 2150 or Geography 2700
 Chemistry 2120¹
 Lib Ed Requirement course
 Lib Ed Requirement course

Year 2, Spring

Biology list course
 Geography or Geology 3000/4000 level (Science)
 Geography or Geology 3000/4000 level (Science)
 Lib Ed Requirement course
 Elective 3000/4000 level

¹ Preferred Chemistry courses.

Note: Courses in **bold** in Years 1 and 2 of the sample sequence are prerequisite(s) for required courses and should be completed early in your program. Students are advised to review the prerequisites for elective courses within the major and plan accordingly



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