

University of
Lethbridge



Program Planning Guide

Name: _____

ID: _____

Calendar Year: 2022/2023

Major in Geography:

www.ulethbridge.ca/artsci/geography

Academic Calendar:

www.ulethbridge.ca/ross/academic-calendar

High School Admission Requirements:

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

Current and Past Program Planning Guides:

www.ulethbridge.ca/ross/ppgs

Co-operative Education:

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

Faculty of Arts and Science Advising:

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

Bachelor of Science
Geography

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.ulethbridge.ca/ross/academic-advising) for advising information.

Name : _____

ID : _____

Program Requirements

Completion of at least 40 courses (120.0 credit hours) with cumulative and graduation grade point averages of at least 2.00.

Major Requirements (19 courses)

- _____ Archaeology 1000 - Introduction to Archaeology
- _____ Environmental Science 2000 - Fundamentals of Environmental Science
- _____ Geography 1000 - Introduction to Physical Geography
- _____ Geography 1200 - Introduction to Human Geography
- _____ Geography 2700 - Geographical Data and Analysis
- _____ Geography 2735 - Introduction to Geographical Information Science

One of:

- _____ Mathematics 1410 - Elementary Linear Algebra
- _____ Mathematics 1560 - Calculus I
- _____ Mathematics 1565 - Accelerated Calculus I
- _____ Statistics 1770 - Introduction to Probability and Statistics

_____ Three additional courses (9.0 credit hours) in Geography at the 3000 or 4000 level with a Science designation

1. _____
2. _____
3. _____

Two of (Human Geography):

- _____ Geography 2000 - World Regional Geography
- _____ Geography 2210 - Spatial Organization of Economic Activity
- _____ Geography 2600 - Canada
- _____ Geography 3255 - Qualitative Research Methods
- _____ Geography 3333/Women and Gender Studies 3333 - Geography of Borders and Displacement

Other Courses (minimum 21 courses)

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

Three of (Physical Geography):

- _____ Geography 2030 - Geomorphology
- _____ Geography 2065 - Physical Geology
- _____ Geography 2090 - Biogeography
- _____ Geography 2300 - Weather and Climate

One of (Field Course):

- _____ Archaeology 3300 - Archaeological Field Work (Series)
- _____ Archaeology 3700 - Geoarchaeology and Landscape Analysis
- _____ Geography 3710 - Field Techniques in the Earth Sciences
- _____ Geography 3780 - Field Research in Geography
- _____ Geography 4710 - Remote Sensing Field Techniques

One of (Spatial Science):

- _____ Geography 3700 - Mapping in the Cloud
- _____ Geography 3720 - Remote Sensing
- _____ Geography 3740 - Geographical Information Systems

One of:

- _____ Geography 4700 - Advanced Digital Mapping
- _____ Geography 4710 - Remote Sensing Field Techniques
- _____ Geography 4725 - Advanced Remote Sensing
- _____ Geography 4740 - Advanced Geographical Information Systems
- _____ Geography 4753 - Seminar in Remote Sensing
- _____ Remote Sensing 4650 - Physics of Remote Sensing

One of:

- _____ Geography 4900 - Seminar in Geographic Thought
- _____ One course (3.0 credit hours) in Geography at the 4000 level with a Science designation

Notes

To determine if a given course in Geography has a Science designation, refer to the 2022/2023 University of Lethbridge Calendar, p. 81.

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.

See the 2022/2023 Calendar, p. 81, 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. _____

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) and courses numbered in the range of 0520 to 0530.

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

_____ **Minor (Optional):** _____
See the 2022/2023 Calendar, p. 323, for more information.

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

Completion of at least 15 courses (45.0 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. _____
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10. _____
11. _____
12. _____
13. _____
14. _____
15. _____

_____ 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.

_____ 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 six courses (18.0 credit hours) from disciplines outside the Faculty of Arts and Science, Faculty of Fine Arts, or School of Liberal Education may be completed for credit towards the degree (i.e. labelled ABHL, ACCT, ADCS, AGEM, CDEV, CRED, EDUC, FINC, HLSC, HRLR, IGBM, IMGT, MGT, MKTG, 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 courses (30.0 credit hours) from disciplines offered by the Faculty of Arts and Science, Faculty of Fine Arts, or School of Liberal Education at the 3000/4000 level.

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).*

_____ **Concentration: Geographical Information Science (Optional)**
See the 2022/2023 Calendar, p. 120, 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

Archaeology 1000
Geography 1000
 Required Mathematics or Statistics course
 Lib Ed Requirement course
 Lib Ed Requirement course

Year 2, Fall

Environmental Science 2000
 Human Geography course
 Physical Geography course
 Lib Ed Requirement course
 Lib Ed Requirement course

Year 3, Fall

Field course¹
 Spatial Science course
 Elective 3000/4000 level
 Elective 3000/4000 level
 Elective

Year 4, Fall

Geography 4000-level list course
 Science Geography 3000/4000 level
 Elective 3000/4000 level
 Elective 3000/4000 level
 Elective

Year 1, Spring

Geography 1200
 Human Geography course
 Physical Geography course
 Lib Ed Requirement course
 Lib Ed Requirement course

Year 2, Spring

Geography 2700
 Geography 2735
 Physical Geography course
 Elective
 Elective

Year 3, Spring

Science Geography 3000/4000 level
 Science Geography 3000/4000 level
 Elective 3000/4000 level
 Elective 3000/4000 level
 Elective

Year 4, Spring

Geography 4900 or Geography 4000 level
 Elective 3000/4000 level
 Elective 3000/4000 level
 Elective
 Elective

¹ Term of offering may vary.

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. Additional requirements for the Concentration in Geographical Information Science should be taken in place of Elective courses. Students considering entry to a graduate program in Geography are advised to complete Geography 4900. They should also complete a 4000-level Independent Study course in Geography in their final year.

