



Calendar Year: 2026/2027

# PROGRAM PLANNING GUIDE

Name: \_\_\_\_\_

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## Bachelor of Science

### Geography



Geography deals with the diverse landscapes around us. The primary focus of the program is to give you the skills necessary to analyze the organization and interaction of all creatures and ecological processes on the planet — and sometimes beyond it — to address real-world issues. You'll have access to the latest hardware and software available in geography, economics, environment, agriculture, ecology, planning etc, as well as state-of-the-art facilities like the Alberta Water and Environmental Science Building.

#### What determines my program requirements?

Please refer to the Academic Calendar ([www.ulethbridge.ca/ross/academic-calendar](http://www.ulethbridge.ca/ross/academic-calendar)) for complete program information.

**Calendar Year:** 2026/2027 - Your calendar year is set to the academic year you are admitted (or readmitted) and you should follow the requirements for that year for the duration of your program.

**Faculty/School:** Faculty of Arts and Science ([www.ulethbridge.ca/artsci](http://www.ulethbridge.ca/artsci))

**Program(s):** Bachelor of Science

**Major(s):** Geography

**Minor:** A defined set of courses, designed to provide depth in a particular discipline, study in an interdisciplinary area, or focus on a theme-related topic. To learn more about [optional](#) minors see [www.ulethbridge.ca/ross/minors](http://www.ulethbridge.ca/ross/minors).

#### Am I admissible to this program?

**Admission:** [www.ulethbridge.ca/ross/admissions/undergrad](http://www.ulethbridge.ca/ross/admissions/undergrad)

**Transfer:** [www.ulethbridge.ca/ross/transfer-resources](http://www.ulethbridge.ca/ross/transfer-resources)

#### When/How do I apply to the University?

**Deadlines:** [www.ulethbridge.ca/ross/admissions/undergrad/deadlines](http://www.ulethbridge.ca/ross/admissions/undergrad/deadlines)

**Step-by-Step:** [www.ulethbridge.ca/ross/admissions/step-by-step](http://www.ulethbridge.ca/ross/admissions/step-by-step)

#### Where can I find information on courses?

**Course Catalogue:** [www.ulethbridge.ca/ross/courses](http://www.ulethbridge.ca/ross/courses)

**Registration Guide:** [www.ulethbridge.ca/ross/registration-guide](http://www.ulethbridge.ca/ross/registration-guide)

#### When can I register for classes?

**Register early!** (March for Summer and Fall; November for Winter)

**Registration Dates:** [www.ulethbridge.ca/ross/registration-dates](http://www.ulethbridge.ca/ross/registration-dates)

#### How can I enhance my program?

**Career Bridge:** [www.ulethbridge.ca/career-bridge](http://www.ulethbridge.ca/career-bridge)

**Co-op Education:** [www.ulethbridge.ca/career-bridge/co-operative-education](http://www.ulethbridge.ca/career-bridge/co-operative-education)

**Honours Thesis:** [www.ulethbridge.ca/ross/undergraduate-thesis](http://www.ulethbridge.ca/ross/undergraduate-thesis)

**Double Major:** [www.ulethbridge.ca/ross/double-major](http://www.ulethbridge.ca/ross/double-major)

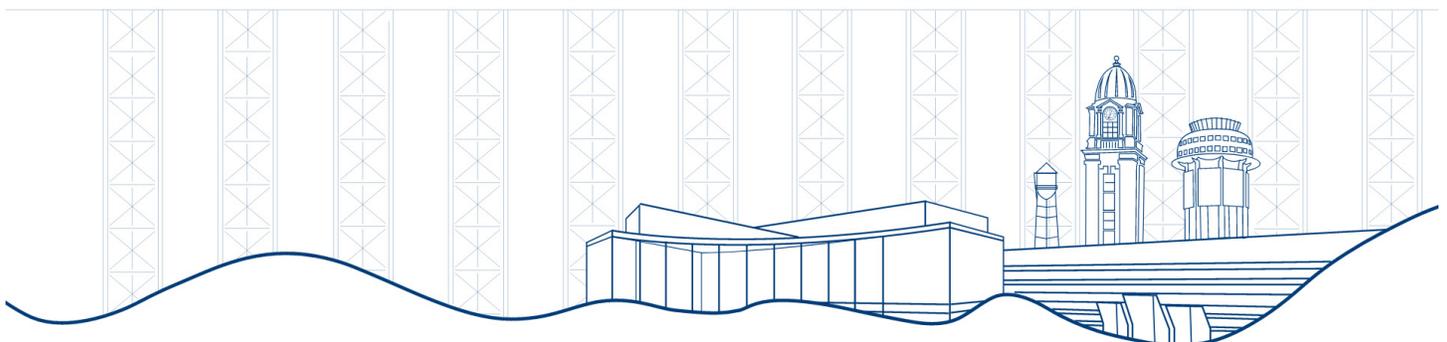
#### What supports are available to students?

**Student Services:** [www.ulethbridge.ca/campus-life/student-services](http://www.ulethbridge.ca/campus-life/student-services)

**Student Success Centre:** [www.ulethbridge.ca/student-success-centre](http://www.ulethbridge.ca/student-success-centre)

**Accessible Learning:** [www.ulethbridge.ca/ross/alc](http://www.ulethbridge.ca/ross/alc)

**Counselling Services:** [www.ulethbridge.ca/counselling](http://www.ulethbridge.ca/counselling)



Version: February 17, 2026

Contact an Academic Advisor ([www.ulethbridge.ca/ross/academic-advising](http://www.ulethbridge.ca/ross/academic-advising)) for advising information

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 ensuring they have met program requirements. This guide should be used in conjunction with the University of Lethbridge Academic Calendar, which is the final authority on program requirements and academic regulations.



**Required courses and notes**

Name: \_\_\_\_\_

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**Major Requirements (19 Courses)**

- \_\_\_\_\_ 1. Archaeology 1000 - Introduction to Archaeology
- \_\_\_\_\_ 2. Environmental Science 2000 - Fundamentals of Environmental Science
- \_\_\_\_\_ 3. Geography 1000 - Introduction to Physical Geography
- \_\_\_\_\_ 4. Geography 1200 - Introduction to Human Geography
- \_\_\_\_\_ 5. Geography 2210 - Spatial Organization of Economic Activity
- \_\_\_\_\_ 6. Geography 2700 - Geographical Data and Analysis
- \_\_\_\_\_ 7. Geography 2735 - Introduction to Geographical Information Science
- \_\_\_\_\_ 8.-10. **Three of (Physical Geography):**
  - \_\_\_\_\_ Geography 2030 - Geomorphology
  - \_\_\_\_\_ Geography 2065 - Physical Geology
  - \_\_\_\_\_ Geography 2090/Biology 2090 - Biogeography
  - \_\_\_\_\_ Geography 2300 - Weather and Climate
- \_\_\_\_\_ 11. **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
- \_\_\_\_\_ 12. **One of (Spatial Science):**
  - \_\_\_\_\_ Geography 3700 - Mapping in the Cloud
  - \_\_\_\_\_ Geography 3720 - Remote Sensing
  - \_\_\_\_\_ Geography 3740 - Geographical Information Systems
- \_\_\_\_\_ 13. **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
- \_\_\_\_\_ 14. **One of:**
  - \_\_\_\_\_ Geography 4900 - Seminar in Geographic Thought
  - \_\_\_\_\_ One course (3.0 credit hours) in Geography at the 4000 level with a Science designation
- \_\_\_\_\_ 15. **One of:**
  - \_\_\_\_\_ Mathematics 1410 - Elementary Linear Algebra
  - \_\_\_\_\_ Mathematics 1560 - Calculus I
  - \_\_\_\_\_ Mathematics 1565 - Accelerated Calculus I
  - \_\_\_\_\_ Statistics 1770 - Introduction to Probability and Statistics
- \_\_\_\_\_ 16.-18. Three additional courses (9.0 credit hours) in Geography at the 3000 or 4000 level with a Science designation
  - \_\_\_\_\_ 16. \_\_\_\_\_
  - \_\_\_\_\_ 17. \_\_\_\_\_
  - \_\_\_\_\_ 18. \_\_\_\_\_
- \_\_\_\_\_ 19. One course (3.0 credit hours) in Geography at the 3000 or 4000 level with a Social Science designation
  - \_\_\_\_\_ \_\_\_\_\_

**Electives (21 Courses)**

- \_\_\_\_\_ 20.-40. Twenty-one additional courses (63.0 credit hours) chosen to complete program requirements
  - \_\_\_\_\_ 20. \_\_\_\_\_
  - \_\_\_\_\_ 21. \_\_\_\_\_
  - \_\_\_\_\_ 22. \_\_\_\_\_
  - \_\_\_\_\_ 23. \_\_\_\_\_
  - \_\_\_\_\_ 24. \_\_\_\_\_
  - \_\_\_\_\_ 25. \_\_\_\_\_
  - \_\_\_\_\_ 26. \_\_\_\_\_
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  - \_\_\_\_\_ 35. \_\_\_\_\_
  - \_\_\_\_\_ 36. \_\_\_\_\_
  - \_\_\_\_\_ 37. \_\_\_\_\_
  - \_\_\_\_\_ 38. \_\_\_\_\_
  - \_\_\_\_\_ 39. \_\_\_\_\_
  - \_\_\_\_\_ 40. \_\_\_\_\_

**Notes**

To determine if a given course in Geography has a Social Science or Science designation, see **School of Liberal Education** in the 2026/2027 University of Lethbridge Calendar, [www.ulethbridge.ca/ross/academic-calendar](http://www.ulethbridge.ca/ross/academic-calendar).

**Optional Concentration: Geographical Information Science**

**Courses taken to complete the concentration will fill in as electives in the program requirements above.**

For information about the Geographical Information Science concentration, see **Faculty of Arts and Science** in the 2026/2027 University of Lethbridge Calendar, [www.ulethbridge.ca/ross/academic-calendar](http://www.ulethbridge.ca/ross/academic-calendar).

**1.-5. Required Courses**

- \_\_\_\_\_ 1. \_\_\_\_\_
- \_\_\_\_\_ 2. \_\_\_\_\_
- \_\_\_\_\_ 3. \_\_\_\_\_
- \_\_\_\_\_ 4. \_\_\_\_\_
- \_\_\_\_\_ 5. \_\_\_\_\_



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**Liberal Education List 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. Cross-listed courses count toward the limit for both disciplines (e.g. Geography 3225/Global Business 3225 counts toward the limit for Geography and Dhillon School of Business courses).

Only four courses (12.0 credit hours) in total from the Faculty of Education (EDUC), Faculty of Health Sciences (AMHC, HLSC, INHL, NURS, PUBH, and TREC), and the Dhillon School of Business (ACCT, AGEM, DGTR, FINC, GLBU, HRLR, IGBM, MGT, and MKTG) may be counted towards the Lib Ed Requirement.

To determine if a course has a Liberal Education designation, see School of Liberal Education in the 2026/2027 University of Lethbridge Undergraduate Calendar, [www.ulethbridge.ca/ross/academic-calendar](http://www.ulethbridge.ca/ross/academic-calendar).

\_\_\_\_\_ **1.-4. List I: Fine Arts and Humanities**

- \_\_\_\_\_ 1. \_\_\_\_\_
- \_\_\_\_\_ 2. \_\_\_\_\_
- \_\_\_\_\_ 3. \_\_\_\_\_
- \_\_\_\_\_ 4. \_\_\_\_\_

\_\_\_\_\_ **5.-8. List II: Social Science**

- \_\_\_\_\_ 5. \_\_\_\_\_
- \_\_\_\_\_ 6. \_\_\_\_\_
- \_\_\_\_\_ 7. \_\_\_\_\_
- \_\_\_\_\_ 8. \_\_\_\_\_

\_\_\_\_\_ **9.-12. List III: Science**

- \_\_\_\_\_ 9. \_\_\_\_\_
- \_\_\_\_\_ 10. \_\_\_\_\_
- \_\_\_\_\_ 11. \_\_\_\_\_
- \_\_\_\_\_ 12. \_\_\_\_\_

**General Requirements**

\_\_\_\_\_ A minimum of 40 courses (120.0 credit hours) with a GPA of at least 2.00.

\_\_\_\_\_ A maximum of five Independent Study courses (15.0 credit hours) may be completed for credit towards the degree.

\_\_\_\_\_ A maximum of 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.

\_\_\_\_\_ A maximum of 24 courses (72.0 credit hours) may be completed from any one discipline for credit towards the degree. Disciplines are identified by a specific course label (e.g. KNES, ASTR, and HIST are separate disciplines).

\_\_\_\_\_ A maximum of 6.0 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).

\_\_\_\_\_ A maximum of six courses (18.0 credit hours) from disciplines offered 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 ACCT, AGEM, AMHC, CDEV, CRED, DGTR, EDUC, FINC, GLBU, HLSC, HRLR, IGBM, INHL, MGT, MKTG, NURS, PUBH, and TREC). Courses cross-listed between the Faculty of Arts and Science and another Faculty or School do not count towards this limit.

\_\_\_\_\_ Residence requirement: 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. At least half of the courses required in the major must be completed at the University of Lethbridge.

A **maximum** of 12 courses (36.0 credit hours) may be completed at the 1000 level (or lower) for credit towards the degree, excluding Activity courses (labelled PHAC and MUSE) and courses numbered in the range of 0520 to 0530.

\_\_\_\_\_ **1.-12. Introductory Course Limit**

- \_\_\_\_\_ 1. \_\_\_\_\_
- \_\_\_\_\_ 2. \_\_\_\_\_
- \_\_\_\_\_ 3. \_\_\_\_\_
- \_\_\_\_\_ 4. \_\_\_\_\_
- \_\_\_\_\_ 5. \_\_\_\_\_
- \_\_\_\_\_ 6. \_\_\_\_\_
- \_\_\_\_\_ 7. \_\_\_\_\_
- \_\_\_\_\_ 8. \_\_\_\_\_
- \_\_\_\_\_ 9. \_\_\_\_\_
- \_\_\_\_\_ 10. \_\_\_\_\_
- \_\_\_\_\_ 11. \_\_\_\_\_
- \_\_\_\_\_ 12. \_\_\_\_\_

A **minimum** of 15 courses (45.0 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, excluding Activity courses (labelled PHAC and MUSE). Out-of-faculty courses (i.e. labelled ACCT, AGEM, AMHC, CDEV, CRED, DGTR, EDUC, FINC, GLBU, HLSC, HRLR, IGBM, INHL, MGT, MKTG, NURS, PUBH, and TREC) will not meet this requirement.

\_\_\_\_\_ **1.-15. Senior Course Requirement**

- \_\_\_\_\_ 1. \_\_\_\_\_
- \_\_\_\_\_ 2. \_\_\_\_\_
- \_\_\_\_\_ 3. \_\_\_\_\_
- \_\_\_\_\_ 4. \_\_\_\_\_
- \_\_\_\_\_ 5. \_\_\_\_\_
- \_\_\_\_\_ 6. \_\_\_\_\_
- \_\_\_\_\_ 7. \_\_\_\_\_
- \_\_\_\_\_ 8. \_\_\_\_\_
- \_\_\_\_\_ 9. \_\_\_\_\_
- \_\_\_\_\_ 10. \_\_\_\_\_
- \_\_\_\_\_ 11. \_\_\_\_\_
- \_\_\_\_\_ 12. \_\_\_\_\_
- \_\_\_\_\_ 13. \_\_\_\_\_
- \_\_\_\_\_ 14. \_\_\_\_\_
- \_\_\_\_\_ 15. \_\_\_\_\_

**Optional Minor:** \_\_\_\_\_

For information about minors see **Minors** in the 2026/2027 University of Lethbridge Calendar, [www.ulethbridge.ca/ross/academic-calendar](http://www.ulethbridge.ca/ross/academic-calendar). Consult with an Academic Advisor if you wish to add a minor to your program.

\_\_\_\_\_ **1.-6. Required Courses**

- \_\_\_\_\_ 1. \_\_\_\_\_
- \_\_\_\_\_ 2. \_\_\_\_\_
- \_\_\_\_\_ 3. \_\_\_\_\_
- \_\_\_\_\_ 4. \_\_\_\_\_
- \_\_\_\_\_ 5. \_\_\_\_\_
- \_\_\_\_\_ 6. \_\_\_\_\_



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Shown below is the recommended sequence of courses for your degree. Consult timetables for course offerings, prerequisites, and corequisites before registering each term as some courses may have limited offerings (ie. once a year, alternating years, or only offered in the Fall or Winter terms). Consult with an Academic Advisor in your faculty if you wish to alter this sequence with regard to the specifically listed courses.

**Note that this sequence was prepared based on course scheduling at the time of publication and may change during your studies.**

### First Year

- Archaeology 1000
- Geography 1000**
- Geography 1200**
- Physical Geography course
- Required Mathematics or Statistics course
- Lib Ed Requirement course
- Elective

### Second Year

- Environmental Science 2000
- Geography 2210
- Geography 2700
- Geography 2735
- Physical Geography course
- Physical Geography course
- Lib Ed Requirement course
- Elective
- Elective
- Elective

### Third Year

- Field course
- Spatial Science course
- Science Geography 3000/4000 level
- Science Geography 3000/4000 level
- Elective 3000/4000 level
- Elective 3000/4000 level
- Elective 3000/4000 level
- Elective
- Elective
- Elective

### Fourth Year

- One of: Geography 4900 or Geography 4000 level
- Geography 4000-level list course
- Science Geography 3000/4000 level
- Social Science Geography 3000/4000 level
- Elective 3000/4000 level
- Elective 3000/4000 level
- Elective 3000/4000 level
- Elective 3000/4000 level
- Elective
- Elective

**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.