

University of  
Lethbridge



## Program Planning Guide

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

ID: \_\_\_\_\_

Calendar Year: 2023/2024

**Major in Geography:**

[www.ulethbridge.ca/artsci/geography](http://www.ulethbridge.ca/artsci/geography)

**Academic Calendar:**

[www.ulethbridge.ca/ross/academic-calendar](http://www.ulethbridge.ca/ross/academic-calendar)

**High School Admission Requirements:**

[www.ulethbridge.ca/ross/admissions/undergrad/high-school](http://www.ulethbridge.ca/ross/admissions/undergrad/high-school)

**Current and Past Program Planning Guides:**

[www.ulethbridge.ca/ross/ppgs](http://www.ulethbridge.ca/ross/ppgs)

**Co-operative Education:**

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

**Faculty of Arts and Science Advising:**

[www.ulethbridge.ca/artsci/advising](http://www.ulethbridge.ca/artsci/advising)  
artsci.advising@uleth.ca  
403-329-5106  
M2102

**Post-Diploma Bachelor of Science**  
**Geography, with a Concentration in Geographical Information 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.ulethbridge.ca/ross/academic-advising](http://www.ulethbridge.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)**

- \_\_\_\_\_ Computer Science 1620 - Fundamentals of Programming I
- \_\_\_\_\_ Geography 1200 - Introduction to Human Geography
- \_\_\_\_\_ Geography 2210 - Spatial Organization of Economic Activity
- \_\_\_\_\_ Geography 2700 - Geographical Data and Analysis
- \_\_\_\_\_ Geography 3720 - Remote Sensing
- \_\_\_\_\_ Geography 3740 - Geographical Information Systems
- \_\_\_\_\_ Geography 4725 - Advanced Remote Sensing
- \_\_\_\_\_ Geography 4740 - Advanced Geographical Information Systems

**Two of:**

- \_\_\_\_\_ Environmental Science 2000 - Fundamentals of Environmental Science
- \_\_\_\_\_ Geography 2030 - Geomorphology
- \_\_\_\_\_ Geography 2300 - Weather and Climate

**One of:**

- \_\_\_\_\_ Geography 3700 - Mapping in the Cloud
- \_\_\_\_\_ Geography 3710 - Field Techniques in the Earth Sciences

**One of:**

- \_\_\_\_\_ Geography 4400 - Advanced Hydrology
- \_\_\_\_\_ Geography 4700 - Advanced Digital Mapping
- \_\_\_\_\_ Geography 4710 - Remote Sensing Field Techniques
- \_\_\_\_\_ Geography 4751 - Spatial Modelling
- \_\_\_\_\_ Geography 4753 - Seminar in Remote Sensing
- \_\_\_\_\_ Remote Sensing 4650 - Physics of Remote Sensing
- \_\_\_\_\_ One additional course (3.0 credit hours) in Geography or Archaeology at the 3000/4000 level, with a Science designation
  - 1. \_\_\_\_\_
- \_\_\_\_\_ One additional course (3.0 credit hours) in Geography or Archaeology at the 4000 level, with a Science designation
  - 1. \_\_\_\_\_

**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.

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 2023/2024 University of Lethbridge Calendar, p. 83).

Students may not take for credit courses that have close equivalents in their diploma program. Students should consult the Program Coordinator for Geography (Geographical Information Science Concentration) concerning possible adjustments to the above program requirements. Excluded courses include the following: Geography 1000 and Geography 2735.

**Sample Sequencing Plan**

Shown right 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**

- Two of: Environmental Science 2000, Geography 2030, Geography 2300, Geography 2700
- Geography 3720**
- Geography 3740**

**Year 2, Fall**

- Geography 2210 <sup>1</sup>
- Geography 3700 or Geography 3710
- Geography 4000-level list course
- Geography or Archaeology 4000 level (Science)
- Lib Ed Requirement course

**Year 1, Spring**

- Computer Science 1620
- Geography 1200
- Geography 4740
- Lib Ed Requirement course
- Lib Ed Requirement course

**Year 2, Spring**

- Geography 4725 <sup>1</sup>
- Geography or Archaeology 3000/4000 level (Science)
- Elective 3000/4000 level
- Lib Ed Requirement course
- Lib Ed Requirement course

<sup>1</sup> 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