

University of  
Lethbridge



## Program Planning Guide

**Department:** Geography

**Calendar Year:** 2018/2019

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

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

**Major in Geography:**

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

**Academic Calendar:**

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

**Current and Past Program Planning Guides:**

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

**Co-operative Education:**

[www.uleth.ca/artsci/coop](http://www.uleth.ca/artsci/coop)

**Faculty of Arts and Science Advising:**

[www.uleth.ca/artsci/advising](http://www.uleth.ca/artsci/advising)  
[artsci.advising@uleth.ca](mailto:artsci.advising@uleth.ca)  
403-329-5106  
SU060

**Approved Diploma Programs:**

[www.uleth.ca/postdiploma](http://www.uleth.ca/postdiploma)

**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 in the Faculty of Arts and Science for advising information.

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

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

**Post-Diploma B.Sc. Geography**

Completion of at least 20 courses (60.0 credit hours) from disciplines offered by the Faculty of Arts and Science or the Faculty of Fine Arts (i.e. no courses labelled ABHL, ADCS, CDEV, CRED, EDUC, HLSC, MGT, NURS, PUBH, or TREC) with a grade point average of at least 2.00.

**Required courses (20 courses):**

- \_\_\_\_\_ 1. Computer Science 1620 - Fundamentals of Programming I
- \_\_\_\_\_ 2. Geography 1200 - Introduction to Human Geography
- \_\_\_\_\_ 3. Geography 2210 - Spatial Organization of Economic Activity
- \_\_\_\_\_ 4. Geography 2700 - Geographical Data and Analysis
- \_\_\_\_\_ 5. Geography 3720 - Remote Sensing
- \_\_\_\_\_ 6. Geography 3740 - Geographical Information Systems
- \_\_\_\_\_ 7. Geography 4725 - Advanced Remote Sensing
- \_\_\_\_\_ 8. Geography 4740 - Advanced Geographical Information Systems

One additional course (3.0 credit hours) in Geography, Geology or Archaeology at the 4000 level, with a Science designation

14. \_\_\_\_\_

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

15. \_\_\_\_\_

17. \_\_\_\_\_

16. \_\_\_\_\_

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

18. \_\_\_\_\_

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

19. \_\_\_\_\_

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

20. \_\_\_\_\_

- \_\_\_\_\_ 9-10. **Two of:**
  - \_\_\_\_\_ Environmental Science 2000 - Fundamentals of Environmental Science
  - \_\_\_\_\_ Geography 2030 - Geomorphology
  - \_\_\_\_\_ Geography 2300 - Weather and Climate

- \_\_\_\_\_ 11. **One of:**
  - \_\_\_\_\_ Geography 3235 - Quantitative Models for Geographic Analysis
  - \_\_\_\_\_ Geography 3700 - Cartography
  - \_\_\_\_\_ Geography 3710 - Field Techniques in the Earth Sciences
  - \_\_\_\_\_ Geography 3750 - GIS Applications in Human Geography

- \_\_\_\_\_ 12. **One of:**
  - \_\_\_\_\_ Geography 4400 - Advanced Hydrology
  - \_\_\_\_\_ Geography 4415 - Integrated Watershed Management
  - \_\_\_\_\_ Geography 4700 - Advanced Computer Mapping
  - \_\_\_\_\_ Geography 4710 - Remote Sensing Field Techniques
  - \_\_\_\_\_ Geography 4730 - Spatial Statistics
  - \_\_\_\_\_ Geography 4750 - Glacial Processes, Measurements, and Models
  - \_\_\_\_\_ Geography 4751 - Project in Spatial Modelling
  - \_\_\_\_\_ Geography 4753 - Seminar in Remote Sensing

One additional course (3.0 credit hours) in Geography, Geology or Archaeology at the 3000/4000 level, with a Science designation

13. \_\_\_\_\_

**Notes**

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 (see the 2018/2019 University of Lethbridge Calendar, **School of Liberal Education, Liberal Education List Requirement**, p. 95).

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 below is a sample sequence of courses for your degree. If you follow this plan, you should be able to graduate in two years, provided you complete five courses per 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.

<p><b>Year 1, Fall</b>                      Two of: Environmental Science 2000, Geography 2030, Geography 2300                      Geography 1200  <b>Geography 3720</b>                      Lib Ed Requirement course</p>	<p><b>Year 1, Spring</b>                      Computer Science 1620                      Geography 2700  <b>Geography 3740</b>                      Geographical Techniques course                      Lib Ed Requirement course</p>
<p><b>Year 2, Fall</b>                      Geography 2210                      Geography 4740                      Geography 4000-level list course                      Geography, Geology, or Archaeology 4000 level (science)                      Lib Ed Requirement course</p>	<p><b>Year 2, Spring</b>                      Geography 4725                      Geography, Geology, or Archaeology 3000/4000 level (science)                      Elective 3000/4000 level                      Lib Ed Requirement course                      Lib Ed Requirement course</p>

*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 electives courses within the major and plan accordingly.*

## Terms Used

**Lib Ed Requirement course:** A course that could count toward the Liberal Education List Requirement. You may use courses in your major towards this 12-course requirement. See the 2018/2019 University of Lethbridge Calendar, School of Liberal Education for complete information.

**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).



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

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