Program Planning Guide

Department: Geography
Calendar Year: 2019/2020
Name: ________________________________
ID: ________________________________

Faculty of Arts and Science Advising:
www.uleth.ca/artsci/advising
artsci.advising@uleth.ca
403-329-5106
M2102

Approved Diploma Programs:
www.uleth.ca/postdiploma

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.
Post-Diploma Bachelor of Science - Geography, with a concentration in GIS

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, Faculty of Fine Arts, or School of Liberal Education (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 core (14 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
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 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

### Electives (six courses):

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

15. __________________  17. __________________

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

16. __________________

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

18. __________________

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

19. __________________

### 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 (see the 2019/2020 University of Lethbridge Calendar, School of Liberal Education, Liberal Education List Requirement, 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 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.

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

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.

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 2019/2020 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).