



## Program Planning Guide

Current and past Program Planning Guides are available on the UofL website at [www.uleth.ca/ross/ppgs/ppg.html](http://www.uleth.ca/ross/ppgs/ppg.html)

Calendar Year: 2012/2013

Faculty: Arts & Science

### About the Multidisciplinary Major in Archaeology and Geography

The multidisciplinary major in Archaeology and Geography is housed in the Department of Geography. The disciplines Archaeology and Geography are linked in a number of ways, and, within this program, students will have the opportunity to combine the theoretical and technological approaches of each. The program provides a strong and diverse background for further study at the graduate level, while also providing training for employment as a field archaeologist. It consists mainly of courses offered by the Department of Geography, but also draws on social science and humanities courses from elsewhere in the Faculty of Arts and Science.

### Co-operative Education

A Co-op option, requiring three work terms, is available. Students interested in the Co-operative Education/Internship program should contact the Coordinator of Co-operative Education in the Career Resources Centre (AH154 | phone: 403-382-7154) for further information.

### Program Requirements

The B.Sc. degree with a multidisciplinary major in Archaeology and Geography requires 40 semester courses, including 21 courses in the major. A maximum of 20 courses in Geography (including Geology) is allowed. A maximum of 20 Archaeology courses is allowed. For the B.Sc., you will emphasize Archaeology and Geography courses that are on the Science list (see List III: Science Courses, p. 91 in the 2012/2013 Calendar). Archaeology and Geography majors in the B.Sc. program may declare a Concentration in Geographical Information Science (see page 3 of this program guide for details).

### Transfer Credit

Remember that you may use both University of Lethbridge credit and credit transferred from another college or university to meet degree and major requirements. Transfer credit may be either specified or unspecified. Specified credit is indicated on your transcript by the subject name and the specific number of the course, e.g., Geography 1000, Geography 1200, etc. Unspecified credit (1XXX, 2XXX, etc.) is indicated by the subject name and level of the course in parentheses, e.g., Geography (1000 level), Geography (2000 level), etc.

### Unspecified Course Credit

Unspecified course credit means that the University of Lethbridge does not offer the same course you transferred in, but we recognize it and treat it as a regular course. An unspecified course would count as one of your maximum of 20 from one department, but it could not meet a specific course requirement. For example, if Geography 2700 is required in your program, you could not use Geography (2000 level) to fulfill that requirement. Students with unspecified transfer credit need to consult an Academic Advisor to establish how the transfer credit fits in the degree program. This should be done as soon as possible after transfer credit is awarded.

# Archaeology and Geography

# Bachelor of Science

**Program Worksheet**

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

**Required courses:**

- \_\_\_\_\_ 1. Anthropology 1000 - The Anthropological Perspective
- \_\_\_\_\_ 2. Archaeology 1000 - Introduction to Archaeology
- \_\_\_\_\_ 3. Archaeology 3300 - Archaeological Field Work (Series)
- \_\_\_\_\_ 4. Archaeology 3700 - Geoarchaeology and Landscape Analysis
- \_\_\_\_\_ 5. Geography 1000 - Introduction to Physical Geography
- \_\_\_\_\_ 6. Geography 1200 - Introduction to Human Geography
- \_\_\_\_\_ 7. Geography 2030 - Geomorphology
- \_\_\_\_\_ 8. Geography 2700 - Geographical Data and Analysis
- \_\_\_\_\_ 9. Geography 2735 - Introduction to Geographical Information Science
- \_\_\_\_\_ 10. One course (3.0 credit hours) in a language other than English:  
\_\_\_\_\_

\_\_\_\_\_ 11-12. Two of:

- \_\_\_\_\_ Archaeology 3720 - Archaeological Materials Analysis
- \_\_\_\_\_ \*Geography 3720 - Remote Sensing
- \_\_\_\_\_ \*Geography 3740 - Geographical Information Systems
- \_\_\_\_\_ Geology 2060 - Physical Geology

*\*Students wishing to complete the Concentration in Geographical Information Science must choose Geography 3720 and Geography 3740, which are prerequisites for the required 4000-level courses in the Concentration.*

\_\_\_\_\_ 13. One 4000-level Archaeology course (3.0 credit hours):  
\_\_\_\_\_

\_\_\_\_\_ 14-17. Four additional courses (12.0 credit hours) in Archaeology at the 3000 or 4000 level:

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

**Note:** *Liberal Education 3600 (Human Evolution Across Disciplines) may replace one of these additional Archaeology courses*

\_\_\_\_\_ 18-21. Four additional courses (12.0 credit hours) in Geography, Geology and/or Anthropology at the 3000 or 4000 level:

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

**Optional Concentration**

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**Concentration: Geographical Information Science**

Archaeology and Geography majors in the B.Sc. program may declare a Concentration in Geographical Information Science. Students must complete a minimum of FIVE courses for the Concentration in Geographical Information Science.

**Required courses:**

- \_\_\_\_\_ 22. One of the following geographical techniques courses:
  - \_\_\_\_\_ 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
  - \_\_\_\_\_ Geography 4730 - Spatial Statistics
  
- \_\_\_\_\_ 23-25. Three of:
  - \_\_\_\_\_ \* Geography 4400 - Hydrology II OR Geography 4415 - Integrated Watershed Management OR  
Geography 4750 - Glacial Processes, Measurements, and Models
  - \_\_\_\_\_ Geography 4700 - Advanced Computer Mapping
  - \_\_\_\_\_ Geography 4710 - Remote Sensing Field Techniques
  - \_\_\_\_\_ Geography 4725 - Advanced Remote Sensing
  - \_\_\_\_\_ Geography 4740 - Advanced Geographical Information Systems
  - \_\_\_\_\_ Geography 4751 - Seminar in Spatial Modelling
  - \_\_\_\_\_ Geography 4752 - Seminar in Geographical Information Systems
  - \_\_\_\_\_ Geography 4753 - Seminar in Remote Sensing

*\*Prerequisite required: Geography 3400*

**Required cognate:**

- \_\_\_\_\_ 26. Computer Science 1620 - Fundamentals of Programming I

**Note:** *Students may not double count courses required for the Concentration in Geographical Information Science in fulfilling requirements for the Multidisciplinary Major in Archaeology and Geography.*

For students who complete all requirements, the Concentration in Geographical Information Science will be acknowledged on the official transcript.

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**Student Notes**

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## 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 four years, provided you complete five courses per semester. 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  
GLER course (List I)  
GLER course (List I)  
Science elective

### Year 2, Fall

Archaeology 3700  
Geography 2030  
Geography 2735  
Science elective  
Elective

### Year 3, Fall

One of: Archaeology 3720,  
Geography 3720,  
Geography 3740, or  
Geology 2060  
Archaeology 3000/4000 level  
Geography, Geology, or  
Anthropology 3000/4000 level  
Science elective  
Elective

### Year 4, Fall

Archaeology 3000/4000 level  
Geography, Geology, or  
Anthropology 3000/4000 level  
Science elective  
Science elective  
Elective

### Year 1, Spring

Anthropology 1000  
Geography 1200  
Geography 2700  
GLER course (List I)  
Elective

### Year 2, Spring

One of: Archaeology 3720,  
Geography 3720,  
Geography 3740, or  
Geology 2060  
Language course  
Science elective  
Elective

### Year 2, Summer

Archaeology 3300<sup>1</sup>

### Year 3, Spring

Archaeology 3000/4000 level  
Archaeology 3000/4000 level  
Science elective  
Science elective  
Elective

### Year 4, Spring

Archaeology 4000 level  
Geography, Geology, or  
Anthropology 3000/4000 level  
Geography, Geology, or  
Anthropology 3000/4000 level  
Science elective  
Elective

<sup>1</sup> Archaeology 3300 - Archaeological Field Work (Series) is offered in Summer. Students should plan to complete the course in Summer of Year Two or Three.

**Note:** Additional requirements for the Concentration in Geographical Information Science should be taken in place of 'Electives' in Years 3 and 4 as appropriate.

**Reminder:** B.Sc. students should choose Archaeology and Geography courses that are designated "Science" (see Part 4, Section 11, List III: Science courses, p. 91 in the 2012/2013 Calendar) in order to meet the degree requirement for a minimum of 25 Science courses.

## Terms Used

**GLER course:** A course that could count toward the General Liberal Education Requirement. You may use courses in your major towards this 12-course requirement. See the 2012/2013 University of Lethbridge Calendar, Part 4 - Academic Regulations (p. 89) for complete information.

The Faculty of Arts and Science offers Liberal Education 1000 and 2000, specifically designed to introduce first-year students to the wide scope of human knowledge and teach essential university success skills, critical thinking, and integrative thinking (see the 2012/2013 University of Lethbridge Calendar, Part 14 - Courses, p. 312). LBED 1000 and 2000 may be used toward satisfying the GLER.

**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 20 courses from any one department).