

Calendar Year: 2003-2004
Faculty: Arts & Science/Education

The Department of Geography

Geographers study the earth on which we all live. This includes land masses, oceans, the atmosphere and the influence of these masses on humankind. The study of Geography investigates the atmosphere, soils, waters, terrains and weather and how they shape the lives of the people living in and around them.

There are several directions a student may take in completing a program of study in Geography. Those with an interest in physical science can concentrate on courses in Physical Geography, Geology and Archaeology (designated 'Science') and receive a Bachelor of Science degree. Others may concentrate on the human dimension of Geography and qualify for a Bachelor of Arts degree. To complete a Science Education major, students must concentrate on Physical Geography and Geology courses.

Choosing an Education Major

The Faculty of Education offers 11 different majors that correspond to teaching subjects in Alberta schools. Admission is based on those majors, and you will be competing with other students in your major to gain entry to the Faculty. After you are admitted to the Faculty, you will work closely with a Faculty member in your major, particularly in Professional Semester II when student teachers work primarily in their subject area.

How do you choose an education major? Generally, students consider their favourite subject areas in which they did well at school. Your education major will be closely related to the major in your other degree, so you will also want to consider the areas of interest and expertise that you have developed in the

university courses taken so far. For many students, this is an easy decision — but if you are uncertain, try taking the introductory courses in several areas. Advisors are also excellent resources to help you explore your options.

You are encouraged to consider in your pre-Combined Degrees program the type of courses and background that will prepare you for teaching in a variety of situations. Many students find that their early objective to teach only at the elementary level or at the secondary school level is later modified or sometimes completely changed. It is therefore wise to select courses that will prepare you not only with breadth and richness for the classroom but may also provide the basis for the development of a teaching minor.

Program Planning Guide



**The
University of
Lethbridge**

This program guide is designed to help you plan your degree program. The information should help you keep track of your progress in your major, electives and all your degree requirements. Please remember that this is only a guide and not a graduation check. 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.

Name: _____ ID: _____ E-Mail: _____

Advisor: _____ Date: _____ Calendar Year: 2003-2004

REQUIREMENTS FOR THE GEOGRAPHY/SCIENCE EDUCATION MAJOR

The Program

The B.Sc./B.Ed. combined degrees with a major in Geography/Science Education require a minimum of 30 courses in Arts and Science and 20 in Education. A minimum of 13 courses (nine courses in Geography, one in Environmental Science and three cognates) is required in the Geography major. A maximum of 17 courses in Geography (including Geology) is allowed.

To do a B.Sc./B.Ed. with a Geography/Science Education major, you will emphasize Geography courses that are on the Science list (see pp. 73-74 of the 2003-2004 University of Lethbridge Calendar).

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, 2210, 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 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 17 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.

How do I use the guide?

When you have met one of the requirements, place a check mark beside it. When all the requirements are checked, you should have completed the major.

- _____ 1. * Environmental Science 2000 - Fundamentals of Environmental Science
- _____ 2. Geography 1000 - Introduction to Physical Geography
- _____ 3. Geography 2015 - Weather and Climate
- _____ 4. Geography 2030 - Geomorphology
- _____ 5. Geography 2200 - Introduction to Human Geography
- _____ 6. Geography 2210 - Urban and Economic Geography
- _____ 7. Geography 2700 - Geographical Data and Analysis
- _____ 8-10. THREE additional Geography courses, with at least TWO at the 3000/4000 level:
 - 1. _____
 - 2. _____ (3000/4000 level)
 - 3. _____ (3000/4000 level)

Required Cognates:

- _____ 11. **ONE course in Biology
- _____

_____ 12. ONE Chemistry course or Biochemistry 2300 - Elements of Human Nutrition

_____ 13. ONE of:

_____ Physics 1000 - Introduction to Physics I

_____ Physics 1050 - Introduction to Biophysics

* Students who have taken Biology 2050 or Geography 2060 prior to 2000-2001 will have met this requirement. Credit is not allowed for Environmental Science 2000 and either Biology 2050 or Geography 2060.

** Students may not use Biology 2050 taken prior to 2000-2001 as the Biology cognate. It will meet requirement 1, above.

Note: You are reminded that you must complete a minimum of 20 Arts and Science courses designated as 'Science' (see the 2003-2004 Calendar, Part 7, Section 19. Divisional Course Designation, p. 97 and Part 4, Section 5. General Liberal Education Requirement, pp. 71-74). You are advised to select 'Science' Geography courses to satisfy requirements 8-10, above. Since Geography 2200 and 2210 are designated 'Social Science', only a maximum of eight of the ten Geography courses required for the major will be 'Science' courses.

Co-operative Education in the Sciences

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 (B610; tel. 403-382-7154) for further information.

ADVICE FROM THE DEPARTMENT

A number of Archaeology courses are offered through the Department of Geography. Archaeology does not constitute an individual major at the University of Lethbridge and does not count toward the 13-course Combined Degrees major in Geography.

Since Geography and Archaeology formulate theories and concepts centred upon human/earth relationships, a special effort is made to involve students in 'hands-on' experience. To this end, a series of seminars, workshops, practica and field trips are scheduled from time to time. Students are encouraged to attend conferences with faculty from the Department of Geography. We feel that you should actually see the world as well as study it in classes.

The Department routinely sends students to places such as Israel, the Grand Canyon, California and the Arctic. The trips are excellent opportunities for students to broaden their horizons and practice what is learned in the classroom.

Many of our graduating students have continued their education in graduate schools throughout Canada and the United States. Others have qualified for positions in education, urban affairs, transportation, recreation, resources and many other diverse areas. Our majors have contributed to scholarly events. Student papers have been published in various professional journals. Also, our students actively participate in conferences, workshops and seminars throughout western Canada and the United States.

ADVICE FROM THE FACULTY OF EDUCATION

Students may complete an Education minor and/or specialization in addition to the major. The Faculty of Education offers 19 minors and specializations in Special/Inclusive Education and Technology in Education. A minor consists of five non-Education courses and one curriculum and instruction Education course. Students may use the same courses to fulfill minor and General Liberal Education requirements. The specializations consist of four courses and corresponding Professional Semester III focus. Completing a minor and/or a specialization allows students to develop expertise in a second area of teaching and be more versatile and marketable as a graduating teacher. For more information on the Education specialization and the minor, see the **2003-2004 University of Lethbridge Calendar, Part 13 - Combined Degrees, Section 3.e. and f., p. 206 and pp. 206-211** respectively.

SAMPLE COURSE SEQUENCING PLAN

B.Sc./B.Ed. - GEOGRAPHY/SCIENCE EDUCATION

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

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 2003-2004 University of Lethbridge Calendar, Part 4 - Academic Regulations (pp.71-74) 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 17 courses from any one department).

Cognate: A course from a related discipline deemed to complement the chosen area of study and to encompass knowledge and skills essential to that area.

YEAR ONE	FALL	SPRING
	Geography 1000 or 2200* Physics 1000 or 1050 (required cognate) GLER course GLER course GLER course	Geography 1000 or 2200* Biochemistry 2300 or required Chemistry cognate Required Biology cognate GLER course GLER course
YEAR TWO	FALL	SPRING
	Education 2500** Environmental Science 2000 Geography 2030*** Geography 2210 GLER course	Geography 2015 Geography 2700 Geography elective Elective 3000/4000 level Elective
YEAR THREE	FALL	SPRING
	Professional Semester I	Geography 3000/4000 level Elective 3000/4000 level Elective 3000/4000 level Elective Elective
YEAR FOUR	FALL	SPRING
	Geography 3000/4000 level Elective 3000/4000 level Elective 3000/4000 level Elective 3000/4000 level Elective	Professional Semester II
YEAR FIVE	FALL	SPRING
	Professional Semester III	Education Foundation course Education elective Education elective Education elective Elective 3000/4000 level

Students with an Elementary Education focus will reverse these two semesters and complete PS III in the Spring.

* Geography 1000 and 2200 are complementary and are offered in both Fall and Spring semesters.

** Education 2500 may also be taken in Spring and Summer Semester.

*** Semester of offering of Geography 2030 may vary. Please check with the Department of Geography.

