

Calendar Year: 2004-2005
Faculty: Arts & Science

The Post-Diploma B.Sc. degree program in Agricultural Studies employs a multidisciplinary perspective, including courses in Agricultural Studies, Biological Sciences, Economics and Geography. The multidisciplinary nature of the program is complementary to the technical training from agricultural colleges and creates a distinctive program in agricultural education. This program is enriched by the chance for students to gain practical skills through Co-op studies, summer employment opportunities and Applied and Independent Studies with professors and scientists.

Students should contact the Coordinator of Agricultural Studies and the Student Program Services Office (SU060; tel. 403-329-5106) for further information.

At the time of printing (March 2004), the following two-year college diplomas have been approved:

Assiniboine Community College

Agribusiness

Fairview College

Agricultural Technology (*prior to 2003*)

Animal Health Technology

Turfgrass Management Technology

Lakeland College

Agri-Business

Animal Health Technology

Crop Technology

Diversified Livestock Production (*prior to 2003*)

Herd Health Technology

Livestock Production

Lethbridge Community College

Agricultural Technology: General Agriculture (*prior to 2003*), Animal Science, Financial Management (*prior to 2003*), Plant and Soil Science, and Irrigation Production (*prior to 2003*)

Northern Alberta Institute of Technology (NAIT)

Animal Health Technology

Olds College

Agricultural Business

Agricultural Production and Management (*formerly Agricultural Production*)

Animal Health Technology

Crop and Agri-Food

Horticulture

Land Agent

Land and Water Resources (*formerly Land Resource Management*)

Seed and Grain (*prior to 2003*)

Saskatchewan Institute of Applied Science and Technology (SIAST)

Veterinary Technology

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

Program Planning Guide

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: _____ Diploma: _____

REQUIREMENTS FOR THE AGRICULTURAL STUDIES MAJOR

Calendar Year: 2004-2005

The Program

The post-diploma B.Sc. degree with a major in Agricultural Studies requires at least 20 semester courses with a minimum cumulative grade point average of 2.00.

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., Biology 1010, Geography 2015, etc. Unspecified credit (1XXX, 2XXX, etc.) is indicated by the subject name and level of the course in parentheses, e.g., Biology (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 20 from one department, but it could not meet a specific course requirement. For example, if Biology 1010 is required in your program, you could not use Biology (1000 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.

General Requirements:

- _____ 1. Successful completion of at least 20 courses with a cumulative grade point average of at least 2.00.
- _____ 2. Completion of the General Liberal Education Requirement (see Course Requirements below).
- _____ 3. At least 10 Arts and Science courses from the list Science Courses (see 2004-2005 Calendar, Part 7, Section 20, p. 104 and Part 4, Section 5, List III: Science Courses, pp. 79-80).
- _____ 4. Not more than 10 courses at the 0100/1000 level may be taken for credit towards the degree. Only one of Economics 1010 and 1012 will be counted toward this limit.
- _____ 5. Completion of at least six courses at the 3000/4000 level, excluding Activity courses.
- _____ 6. Not more than two Independent Study courses may be taken for credit toward the degree.
- _____ 7. Completion of all course requirements as specified below.

Note: For complete Lists I, II and III for the General Liberal Education Requirement, see the 2004-2005 Calendar, Part 4, pp. 77-80).

Course Requirements:

Students must complete a total of 20 courses, including a Required Core of 12 courses (see Section A below) and eight courses to satisfy either the Biological Sciences Stream or the Geography Stream (see Section B below).

A. Required Core (12 courses)

- _____ 1. Agricultural Studies 1000 - The Evolution of Agriculture
- _____ 2. *Agricultural Studies 3300 - Modelling of Agricultural Systems
- _____ 3. Agricultural Studies 4000 - Seminars in Agricultural Issues Series
- _____ 4. Biology 1010 - Cellular Basis of Life
- _____ 5. Economics 1010 - Introduction to Microeconomics
- _____ 6. Economics 3220 - Environmental Economics
- _____ 7. Economics 3300 - Agricultural Policy I
- _____ 8. **Geography 3210 - Agricultural Geography

- _____ 9. ONE of:
 _____ ****Philosophy 3402 - Biomedical Ethics**
 _____ *****Philosophy 3406 - Business Ethics**
- _____ 10. Statistics 1770 - Introduction to Probability and Statistics
- _____ 11. ONE of:
 _____ English 1900 - Introduction to Language and Literature
 _____ History 1000 - Western Civilization
 _____ Philosophy 1000 - Introduction to Philosophy
 _____ Religious Studies 1000 - Introduction to World Religions
- _____ 12. *****ONE** additional course from List I - Fine Arts and Humanities courses:

* Students who have taken Agricultural Studies 2000 prior to 2000-2001 will have met this requirement.

** Students in the Post-Diploma B.Sc. in Agricultural Studies are considered to have the background that satisfies the Geography prerequisite (Geography 2210) for Geography 3210.

*** Students who wish to take Philosophy 3402 must take Philosophy 1000 as a prerequisite.

**** Students would be well-advised to choose Philosophy 1000 as a List I course which also provides specific background preparation for Philosophy 3406.

Note: Students may not take for credit at the University of Lethbridge any course for which a close equivalent was taken as part of the diploma. Consult with the Coordinator of Agricultural Studies for approval of course selection.

B. Choose ONE of the following streams, each consisting of eight courses.

Biological Sciences Stream (EIGHT courses):

- _____ 1. Biology 2000 - Principles of Genetics
 _____ 2. Biology 2200 - Principles of Ecology
 _____ 3. Chemistry 2100 - Elements of Organic Chemistry I
 _____ 4. Chemistry 2200 - Elements of Organic Chemistry II
 _____ 5-8. FOUR of Biology 3000/3110/3200/3310/3420/3460/3520/3530/3560/3600/3610/3700/4100/4110/4170/4560/4770
 1. _____ 3. _____
 2. _____ 4. _____

Note: Students may count Special Topics courses (i.e., Biology 3850 and Biology 4850) toward the Biological Sciences stream provided:

1. They are clearly related to the subfield; and,
2. They are approved by the Coordinator of the program.

Note: Students may include a maximum of two Special Topics courses in their degree program.

Geography Stream (EIGHT courses):

- _____ 1-8. EIGHT of Geography 2015*/2700*/3075/3080(4050)/3700/3720/3740/4012/4015/4200/4725/4740/4760/4770 and Environmental Science 2000:
 1. _____ 5. _____
 2. _____ 6. _____
 3. _____ 7. _____
 4. _____ 8. _____

* Students in the Post-Diploma B.Sc. in Agricultural Studies are considered to have the background that satisfies the Geography prerequisite—Geography 1010 (Geography 1000 prior to 2004/2005)—for Geography 2015 and 2700.

Note: Students wishing to pursue the Concentration in Geographical Information Science must complete Geography 2700, 3720, and 3740 among the eight courses required in the Geography Stream.

Note: Students may count Special Topics courses (i.e., Geography 3850 and Geography 4850) toward the Geography stream provided:

1. They are clearly related to the subfield; and,
2. They are approved by the Coordinator of the program.

Note: Students should refer to the current Calendar to ensure they have completed the prerequisites for the above courses.

Concentration: Agricultural Business

Students in the Post-Diploma B.Sc. in Agricultural Studies degree program may declare a Concentration in Agricultural Business.

In addition to the minimum of 20 courses required for this degree program, students must complete a minimum of FIVE courses for the Concentration in Agricultural Business as follows:

a. For holders of diplomas other than diplomas in Agribusiness, the required courses include:

- _____ 1. Management 2100 - Introductory Accounting
- _____ 2. Management 3020 - Marketing
- _____ 3-5. THREE of:
 - _____ Economics 3030 - Managerial Economics
 - _____ Economics 3080/Management 3780 - Principles of Industrial Organization
 - _____ Management 3010 - Management Law
 - _____ Political Science 2410 - Public Administration
 - _____ Political Science 3421/Management 3051 - Managing People and Organizations

b. For holders of diplomas in Agribusiness, the required courses include:

- _____ 1. *Management 3040 - Finance
- _____ 2. ONE of:
 - _____ Management 3470 - Corporate Finance
 - _____ *Management 4230 - Marketing Management
- _____ 3-5. THREE of:
 - _____ Economics 3030 - Managerial Economics
 - _____ Economics 3080/Management 3780 - Principles of Industrial Organization
 - _____ *Management 3061 - Information Systems and Management
 - _____ *Management 3210 - Consumer Behaviour
 - _____ *Management 4220 - International Marketing
 - _____ Political Science 2410 - Public Administration

**Students who hold diplomas in Agribusiness are considered to have background that satisfies the prerequisites for these required courses and may not receive credit for Management 2030 (3030) or Management 2000 (prior to 2003-2004), 2060, 2400 or 3020 at the University of Lethbridge.*

Note: Students may not double count courses required for the Concentration in Agricultural Business in fulfilling requirements for the General Liberal Education core. Students must select a List II course that is not required for the Concentration in Agricultural Business.

For students who complete, in addition to the minimum 20 courses for this B.Sc. degree program, all five courses (as specified in **a.** or **b.** above), the Concentration in Agricultural Business will be acknowledged on the official transcript.

Note: Students who choose Management 3061 - Information Systems and Management must complete either English 1900 or Writing 1000 as a corequisite for this course.

SAMPLE COURSE SEQUENCING PLAN

POST-DIPLOMA B.Sc. - AGRICULTURAL STUDIES

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 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 2004-2005 University of Lethbridge Calendar, Part 4 - Academic Regulations (pp. 77-80) 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 20 courses from any one department).

Biological Sciences Stream

YEAR ONE	FALL	SPRING
	Agricultural Studies 1000 Biology 1010 Chemistry 2100 Economics 1010 ONE of: English 1900, History 1000, Philosophy 1000, Religious Studies 1000	Biology 2000 Chemistry 2200 Economics 3220 Philosophy 3402* or 3406 Statistics 1770
YEAR TWO	FALL	SPRING
	Agricultural Studies 3300** Biology 2200 Biology 3000/4000 level Economics 3300 Geography 3210***	Agricultural Studies 4000 Biology 3000/4000 level Biology 3000/4000 level Biology 3000/4000 level GLER course (List I)

Geography Stream ¹

YEAR ONE	FALL	SPRING
	Agricultural Studies 1000 Biology 1010 Economics 1010 ONE of: English 1900, History 1000, Philosophy 1000, Religious Studies 1000 GLER course (List I)	Economics 3220 Philosophy 3402* or 3406 Statistics 1770 Required Stream course**** Required Stream course****
YEAR TWO	FALL	SPRING
	Agricultural Studies 3300** Economics 3300 Geography 3210*** Required Stream course Required Stream course	Agricultural Studies 4000 Required Stream course Required Stream course Required Stream course Required Stream course

¹ Semester of offering for the Geography courses may vary. Students should consult the Department of Geography regarding sequencing of the Geography courses.

* Students who wish to take Philosophy 3402 must take Philosophy 1000 as a prerequisite.

** Students who have taken Agricultural Studies 2000 prior to 2000-2001 will have met this requirement.

*** Students in the Post-Diploma B.Sc. in Agricultural Studies are considered to have the background that satisfies the Geography prerequisite (Geography 2210) for Geography 3210.

**** In Spring Year 1, students should complete two of Geography 2015, Geography 2700, or Environmental Science 2000 in order to satisfy prerequisites for other chosen courses in the Geography Stream.

Note: Students choosing to complete requirements for the Concentration in Agricultural Business or in Geographical Information Science should contact the Program Coordinator and/or Arts and Science Student Program Services early in their program for assistance in planning sequencing for the required courses.

