

University of
Lethbridge



Program Planning Guide

Departments: Biological Sciences, Chemistry and Biochemistry, and Economics

Calendar Year: 2019/2020

Name: _____

ID: _____

Post-Diploma Bachelor of Science
Agricultural Studies

Major in Agricultural Studies:

www.uleth.ca/artsci/agricultural-studies

Academic Calendar:

www.uleth.ca/ross/academic-calendar

Current and Past Program Planning Guides:

www.uleth.ca/ross/ppgs

Co-operative Education:

www.uleth.ca/artsci/coop

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.

Name : _____

ID : _____

Post-Diploma B.Sc. Agricultural Studies

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 (11 courses):

- _____ 1. Agricultural Studies 1000 - The Evolution of Agriculture
- _____ 2. Agricultural Studies 3300 - Modelling of Agricultural Systems
- _____ 3. Agricultural Studies 4000 - Seminar in Agricultural Issues
- _____ 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. Statistics 1770 - Introduction to Probability and Statistics
- _____ 10. **One of:**
 - _____ Philosophy 2001 - Introduction to Ethics
 - _____ Philosophy 2236 - Environmental Philosophy
 - _____ Philosophy 3402 - Biomedical Ethics
- _____ 11. **One of:**
 - _____ English 1900 - Introduction to Language and Literature
 - _____ History 1000 - The Western World
 - _____ History 1200 - World History
 - _____ Philosophy 1000 - Introduction to Philosophy
 - _____ Religious Studies 1000 - Introduction to World Religions

Required stream (Choose one of the following streams; 8 courses):

Biological Sciences Stream

- _____ 1. Biology 2000 - Principles of Genetics
- _____ 2. Biology 2200 - Principles of Ecology
- _____ 3. Chemistry 1110 - Chemistry for Life Sciences I
- _____ 4. Chemistry 2120 - Chemistry for Life Sciences II

Four additional Biology courses from the Biological Sciences Stream list (below):

- 5. _____
- 6. _____
- 7. _____
- 8. _____

Geography Stream

Eight Geography courses from the Geography Stream list (below):

- 1. _____
- 2. _____
- 3. _____
- 4. _____
- 5. _____
- 6. _____
- 7. _____
- 8. _____

Elective (one course):

One additional course from List I: Fine Arts and Humanities Courses

- 1. _____

Biological Sciences Stream

| | | |
|---------------------------|---------------------------|---------------------------|
| Biology 3000 | Biology 3460 | Biology 3700 |
| Biology 3105 | Biology 3520 | Biology 4100 |
| ¹ Biology 3310 | Biology 3530 | ³ Biology 4170 |
| Biology 3400 | Biology 3560 | Biology 4560 |
| Biology 3420 | ² Biology 3610 | |

Geography Stream

| | | |
|----------------------------|----------------|----------------|
| Environmental Science 2000 | Geography 3080 | Geography 4065 |
| Geography 2300 | Geography 3400 | Geography 4400 |
| Geography 2700 | Geography 3700 | Geography 4415 |
| Geography 2735 | Geography 3720 | Geography 4725 |
| Geography 3075 | Geography 3740 | Geography 4740 |
| | Geography 4060 | |

Notes

¹Prerequisite required: Biochemistry 2000.

²Prerequisite required: Environmental Science 2000.

³Prerequisite required: Biology 3210.

Courses labeled as “electives” may be used towards a minor if a minor is chosen. Additional courses (apart from the core, stream, and elective courses) must be completed if a concentration is declared.

To determine if a given course has a Fine Arts and Humanities designation, see List I: Fine Arts and Humanities Courses (see the 2019/2020 University of Lethbridge Calendar, **School of Liberal Education, Liberal Education Lists, p. 84**).

No more than two Independent Study courses (3990 or 4990; 6.0 credit hours) may be counted towards the program.

Students may count a maximum of two Special Topics courses (i.e., Biology or Geography 3850 or 4850) towards the required stream provided they are (1) clearly related to the stream and (2) approved by the Coordinator of Agricultural Studies.

Students wishing to pursue the Concentration in Geographical Information Science must complete Geography 2735 among the eight courses required in the Geography Stream.

A student who successfully completes this degree program and major may apply to the Alberta Institute of Agrologists (AIA) to be registered as a Professional Agrologist within Alberta. Students should contact the Coordinator of Agricultural Studies early in the program for further information.

Concentration: Agricultural Business (Optional)

See the 2019/2020 Calendar, p. 131, for more information.

- | | |
|----------|----------|
| 1. _____ | 4. _____ |
| 2. _____ | 5. _____ |
| 3. _____ | |

Geographical Information Science (Optional)

See the 2019/2020 Calendar, p. 131, for more information.

- | | |
|----------|----------|
| 1. _____ | 4. _____ |
| 2. _____ | 5. _____ |
| 3. _____ | |

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.

Biological Sciences Stream

Year 1, Fall

Agricultural Studies 1000
Biology 1010
Chemistry 1110
Economics 1010
 One of: English 1900,
 History 1000, History 1200,
 Philosophy 1000, or Religious
 Studies 1000

Year 1, Spring

Biology 2000
 Chemistry 2120
 Economics 3220
 One of¹: Philosophy 2001,
 Philosophy 2236 or
 Philosophy 3402
 Statistics 1770

Year 2, Fall

Agricultural Studies 3300
Biology 2200
 Economics 3300
 Geography 3210
 Biology 3000/4000 level

Year 2, Spring

Agricultural Studies 4000
 Biology 3000/4000 level
 Biology 3000/4000 level
 Biology 3000/4000 level
 Lib Ed Requirement course

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 electives courses within the major and plan accordingly.

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.

Geography Stream

Year 1, Fall

Agricultural Studies 1000
 Biology 1010
Economics 1010
 Geography Stream course
 Geography Stream course

Year 1, Spring

Economics 3220
 One of¹: Philosophy 2001,
 Philosophy 2236 or
 Philosophy 3402
 Statistics 1770
 Geography Stream course
 Geography Stream course

Year 2, Fall

Agricultural Studies 3300
 Economics 3300
 Geography 3210
 Geography Stream course
 Geography Stream course

Year 2, Spring

Agricultural Studies 4000
 One of: English 1900,
 History 1000, History 1200,
 Philosophy 1000, or Religious
 Studies 1000
 Geography Stream course
 Geography Stream course
 Lib Ed Requirement course

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 electives courses within the major and plan accordingly.

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.

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).



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