

University of
Lethbridge



Program Planning Guide

Name: _____

ID: _____

Calendar Year: 2022/2023

Major in Agricultural Studies:

www.ulethbridge.ca/artsci/agricultural-studies

Academic Calendar:

www.ulethbridge.ca/ross/academic-calendar

High School Admission Requirements:

www.ulethbridge.ca/ross/admissions/undergrad/high-school

Current and Past Program Planning Guides:

www.ulethbridge.ca/ross/ppgs

Co-operative Education:

www.ulethbridge.ca/career-bridge/co-operative-education

Faculty of Arts and Science Advising:

www.ulethbridge.ca/artsci/advising
artsci.advising@uleth.ca
403-329-5106
M2102

Agricultural Studies

Post-Diploma Bachelor of Science

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 (www.ulethbridge.ca/ross/academic-advising) for advising information.

Name : _____

ID : _____

Program Requirements

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, ACCT, ADCS, AGEM, CDEV, CRED, EDUC, FINC, HLSC, HRLR, IGBM, IMGT, MGT, MKTG, NURS, PUBH, or TREC) with a grade point average of at least 2.00.

Required core (11 courses)

- _____ Agricultural Studies 1000 - The Evolution of Agriculture
- _____ Agricultural Studies 3300 - Modelling of Agricultural Systems
- _____ Agricultural Studies 4000 - Seminar in Agricultural Issues
- _____ Biology 1010 - Cellular Basis of Life
- _____ Economics 1010 - Introduction to Microeconomics
- _____ Economics 3220 - Environmental Economics
- _____ Economics 3300 - Agricultural Policy I
- _____ Geography 3210 - Food Systems Analysis
- _____ Statistics 1770 - Introduction to Probability and Statistics

One of:

- _____ Philosophy 2001 - Introduction to Ethics
- _____ Philosophy 2236 - Environmental Philosophy
- _____ Philosophy 3402 - Biomedical Ethics

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

One of the following streams (a. or b.; eight courses):

a. Biological Sciences Stream

- _____ Biology 2000 - Principles of Genetics
- _____ Biology 2200 - Principles of Ecology
- _____ Chemistry 1110 - Chemistry for Life Sciences I
- _____ Chemistry 2120 - Chemistry for Life Sciences II

Four of:

- _____ Biology 2150 - Biostatistics
- _____ ¹ Biology 2300 - Cell Biology
- _____ Biology 3420 - Animal Physiology
- _____ Biology 3460 - Plant Physiology
- _____ Biology 3520 - Invertebrate Zoology
- _____ Biology 3530 - Vertebrate Zoology
- _____ Biology 3560 - Integrative Plant Biology
- _____ Biology 3700 - Ecosystem Ecology
- _____ Biology 3710 - Population Biology
- _____ Biology 3720 - Community Ecology
- _____ Biology 4570 - Plant Breeding and Genetics
- _____ Environmental Science 2000 - Fundamentals of Environmental Science

Concentration (Optional): _____

See the 2022/2023 Calendar, p. 138, for more information.

1. _____
2. _____
3. _____
4. _____
5. _____

b. Geography Stream

Eight of:

- _____ Environmental Science 2000 - Fundamentals of Environmental Science
- _____ Geography 2300 - Weather and Climate
- _____ Geography 2700 - Geographical Data and Analysis
- _____ Geography 2735 - Introduction to Geographical Information Science
- _____ Geography 3075 - Environmental Resources Management
- _____ Geography 3080 - Soils
- _____ Geography 3400 - Hydrology
- _____ Geography 3700 - Mapping in the Cloud
- _____ Geography 3720 - Remote Sensing
- _____ Geography 3740 - Geographical Information Systems
- _____ Geography 4060 - Agricultural Soil Management
- _____ Geography 4065 - Irrigation Science
- _____ Geography 4400 - Advanced Hydrology
- _____ Geography 4725 - Advanced Remote Sensing
- _____ Geography 4740 - Advanced Geographical Information Systems

Elective (one course):

- _____ One additional course from List I: Fine Arts and Humanities Courses
- 1. _____

Notes

¹Corequisite required: Biochemistry 2000.

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 (refer to the 2022/2023 University of Lethbridge Calendar, p. 81).

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.

Sample Sequencing Plan

Shown below is a sample sequence of courses for your degree. Consult timetables for course offerings, prerequisites, and corequisites before registering each 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

<p>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</p>	<p>Year 1, Spring Biology 2000 Chemistry 2120 One of¹: Philosophy 2001, Philosophy 2236, or Philosophy 3402 Statistics 1770 Biology Stream course</p>
<p>Year 2, Fall Agricultural Studies 3300 Biology 2200 Economics 3300 Geography 3210¹ Biology Stream course</p>	<p>Year 2, Spring Agricultural Studies 4000 Economics 3220 Biology Stream course Biology Stream course Lib Ed Requirement course</p>

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.

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

<p>Year 1, Fall Agricultural Studies 1000 Biology 1010 Economics 1010 Geography Stream course Geography Stream course</p>	<p>Year 1, Spring Economics 3220 One of¹: Philosophy 2001, Philosophy 2236, or Philosophy 3402 Statistics 1770 Geography Stream course Geography Stream course</p>
<p>Year 2, Fall Agricultural Studies 3300 Economics 3300 Geography 3210¹ Geography Stream course Geography Stream course</p>	<p>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</p>

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.

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