



PROGRAM PLANNING GUIDE

Name: _____

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Bachelor of Science

Agricultural Studies



Agricultural studies delves into the relationships between the social, economic, political and environmental factors that affect the agricultural sector — from farm level production to international policy. This broad range of perspectives will expand your understanding of issues such as policy development, the farm as a production unit and the environmental implications of land use. You'll also be exposed to the latest developments in genetic engineering, precision farming and animal nutrition, to name just a few.

What determines my program requirements?

Please refer to the Academic Calendar (www.ulethbridge.ca/ross/academic-calendar) for complete program information.

Calendar Year: 2025/2026 - Your calendar year is set to the academic year you are admitted (or readmitted) and you should follow the requirements for that year for the duration of your program.

Faculty/School: Faculty of Arts and Science (www.ulethbridge.ca/artsci)

Program(s): Bachelor of Science

Major(s): Agricultural Studies

Minor: A defined set of courses, designed to provide depth in a particular discipline, study in an interdisciplinary area, or focus on a theme-related topic. To learn more about optional minors see www.ulethbridge.ca/ross/minors.

Am I admissible to this program?

Admission: www.ulethbridge.ca/ross/admissions/undergrad

Transfer: www.ulethbridge.ca/ross/transfer-resources

When/How do I apply to the University?

Deadlines: www.ulethbridge.ca/ross/admissions/undergrad/deadlines

Step-by-Step: www.ulethbridge.ca/ross/admissions/step-by-step

Where can I find information on courses?

Course Catalogue: www.ulethbridge.ca/ross/courses

Registration Guide: www.ulethbridge.ca/ross/registration-guide

When can I register for classes?

Register early! (March for Summer and Fall; November for Winter)

Registration Dates: www.ulethbridge.ca/ross/registration-dates

How can I enhance my program?

Career Bridge: www.ulethbridge.ca/career-bridge

Co-op Education: www.ulethbridge.ca/career-bridge/co-operative-education

Honours Thesis: www.ulethbridge.ca/ross/undergraduate-thesis

Double Major: www.ulethbridge.ca/ross/double-major

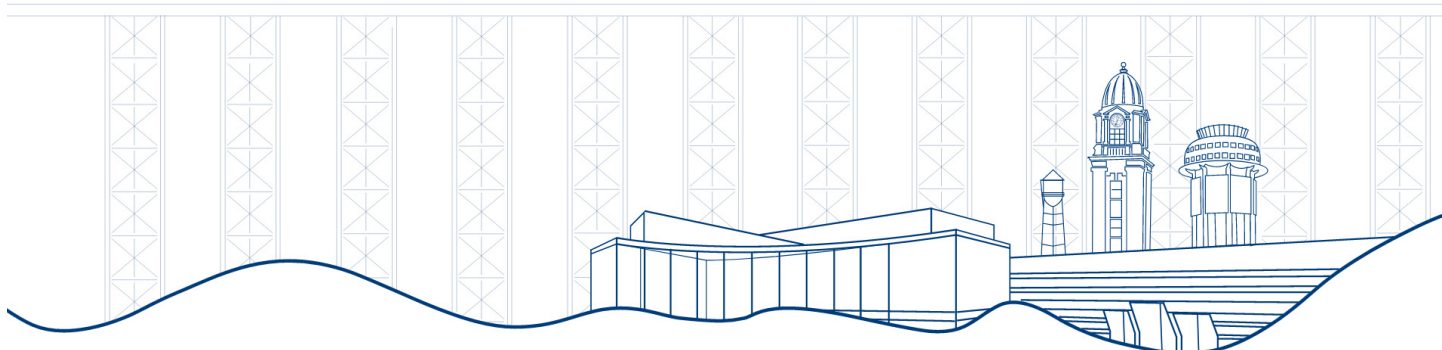
What supports are available to students?

Student Services: www.ulethbridge.ca/campus-life/student-services

Student Success Centre: www.ulethbridge.ca/student-success-centre

Accessible Learning: www.ulethbridge.ca/ross/alc

Counselling Services: www.ulethbridge.ca/counselling



Version: February 11, 2025

Contact an Academic Advisor (www.ulethbridge.ca/ross/academic-advising) for advising information

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 ensuring they have met program requirements. This guide should be used in conjunction with the University of Lethbridge Academic Calendar, which is the final authority on program requirements and academic regulations.



PROGRAM REQUIREMENTS (2025/2026)

Required courses and notes

Major Requirements (20 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. Agricultural Studies 4300 - Advanced Modelling of Agricultural Systems
- _____ 5. Biology 1010 - Cellular Basis of Life
- _____ 6. Biology 1020 - Diversity of Life
- _____ 7. Biology 2000 - Principles of Genetics
- _____ 8. Chemistry 1110 - Chemistry for Life Sciences I
- _____ 9. Economics 1010 - Introduction to Microeconomics
- _____ 10. Geography 1000 - Introduction to Physical Geography
- _____ 11. Statistics 1770 - Introduction to Probability and Statistics
- _____ 12. **One of:**
 - _____ Computer Science 1620 - Fundamentals of Programming I
 - _____ Mathematics 1010 - Introduction to Calculus
 - _____ Mathematics 1560 - Calculus I
 - _____ Mathematics 1565 - Accelerated Calculus I
 - _____ Physics 1050 - Introduction to Biophysics
- _____ 13.-18. Six courses (18.0 credit hours) from either subfield list (1. or 2.) below
- _____ 19.-20. Two courses (6.0 credit hours) from the other subfield list below
- _____ **REQ.** Four of the subfield courses (12.0 credit hours) must be at the 3000/4000 level

1. Biological Sciences

- _____ Biology 2090/Geography 2090
- _____ Biology 2150
- _____ Biology 2200
- _____ ¹ Biology 2300
- _____ Biology 3095/Geography 3095
- _____ Biology 3420
- _____ Biology 3460
- _____ Biology 3520
- _____ Biology 3530
- _____ Biology 3560
- _____ Biology 3700
- _____ Biology 3710
- _____ Biology 3720
- _____ Biology 4570
- _____ Chemistry 2120
- _____ Environmental Science 2000
- _____ Environmental Science 4010

2. Geography

- _____ Environmental Science 2000
- _____ Environmental Science 4010
- _____ Geography 2030
- _____ Geography 2065
- _____ Geography 2090/Biology 2090
- _____ Geography 2300
- _____ Geography 2700
- _____ Geography 2735
- _____ Geography 3075
- _____ Geography 3080
- _____ Geography 3095/Biology 3095
- _____ Geography 3210
- _____ Geography 3400
- _____ Geography 3440/Environmental Science 3440
- _____ Geography 3700
- _____ Geography 3710
- _____ Geography 3720
- _____ Geography 3735
- _____ Geography 3740
- _____ Geography 4060
- _____ Geography 4400
- _____ Geography 4725
- _____ Geography 4740

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Technical Studies Term (5 courses)

The Technical Studies term should be taken after at least 20 university courses have been completed and prior to registration in the final 10 courses for the degree.

Students must have the college course selection approved by the Coordinator of Agricultural Studies. Further details are available from the Coordinator.

- _____ 21. Agricultural Studies unspecified 2000-level
- _____ 22. Agricultural Studies unspecified 2000-level
- _____ 23. Agricultural Studies unspecified 3000-level
- _____ 24. Agricultural Studies unspecified 3000-level
- _____ 25. Agricultural Studies unspecified 3000-level

Notes

¹ This course has a prerequisite or corequisite that is not required for the major.

Applied Studies, Independent Studies and Topics courses may be counted toward the subfield requirements provided they are (1) clearly related to one of the subfields and (2) they are approved by the Coordinator of Agricultural Studies.

Students may not receive credit for courses at the University of Lethbridge for which close equivalents have been taken at the college, and vice versa. Students must ensure that their course selection has been 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 subfield.

A student who successfully completes this 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.

Electives (15 Courses)

- _____ 26.-40. Fifteen additional courses (45.0 credit hours) chosen to complete program requirements
 - _____ 26. _____
 - _____ 27. _____
 - _____ 28. _____
 - _____ 29. _____
 - _____ 30. _____
 - _____ 31. _____
 - _____ 32. _____
 - _____ 33. _____
 - _____ 34. _____
 - _____ 35. _____
 - _____ 36. _____
 - _____ 37. _____
 - _____ 38. _____
 - _____ 39. _____
 - _____ 40. _____

Optional Concentration: _____

Courses taken to complete the concentration will fill in as electives in the program requirements above.

For information about the optional concentrations, see **Faculty of Arts and Science** in the 2025/2026 University of Lethbridge Calendar, www.ulethbridge.ca/ross/academic-calendar.

1.-5. Required Courses

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



PROGRAM REQUIREMENTS (2025/2026)

Required courses and notes

Liberal Education List Requirement

Only four courses (12.0 credit hours) in total may be counted from any one discipline toward the Lib Ed Requirement. Disciplines are identified by separate course subject codes. Cross-listed courses count toward the limit for both disciplines (e.g. IGBM 3250/INDG 3250 counts toward the limit for Dhillon School of Business courses and Indigenous Studies).

Only four courses (12.0 credit hours) in total from the Faculty of Education (EDUC), Faculty of Health Sciences (ADCS, HLSC, INHL, NURS, PUBH, and TREC), and the Dhillon School of Business (ACCT, AGEM, FINC, GLBU, HRLR, IGBM, MGT, and MKTG) may be counted towards the Lib Ed Requirement.

To determine if a course has a Liberal Education designation, see School of Liberal Education in the 2025/2026 University of Lethbridge Undergraduate Calendar, www.ulethbridge.ca/ross/academic-calendar.

1.-4. List I: Fine Arts and Humanities

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

5.-8. List II: Social Science

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

9.-12. List III: Science

9. _____
10. _____
11. _____
12. _____

General Requirements

- _____ A minimum of 40 courses (120.0 credit hours) with a GPA of at least 2.00.
- _____ A maximum of five Independent Study courses (15.0 credit hours) may be completed for credit towards the degree.
- _____ A maximum of five Disciplinary Credit Applied Studies courses (15.0 credit hours) may be completed for credit towards the degree. Students may, in addition, complete Applied Studies 2000, 2001, 2010, and 2011.
- _____ A maximum of 24 courses (72.0 credit hours) may be completed from any one discipline for credit towards the degree. Disciplines are identified by a specific course label (e.g. KNES, ASTR, and HIST are separate disciplines).
- _____ A maximum of 6.0 credit hours in Activity courses (i.e. courses labelled PHAC and MUSE) may be completed for credit towards the degree, except for Kinesiology majors (not more than 15.0 credit hours) and Music majors (not more than 12.0 credit hours).
- _____ A maximum of six courses (18.0 credit hours) from disciplines offered outside the Faculty of Arts and Science, Faculty of Fine Arts, or School of Liberal Education may be completed for credit towards the degree (i.e. labelled ACCT, ADCS, AGEM, CDEV, CRED, EDUC, FINC, GLBU, HLSC, HRLR, IGBM, INHL, MGT, MKTG, NURS, PUBH, and TREC). Courses cross-listed between the Faculty of Arts and Science and another Faculty or School do not count towards this limit.
- _____ Residence requirement: a minimum of 20 courses (60.0 credit hours) must be completed at the University of Lethbridge, including at least 10 courses (30.0 credit hours) from disciplines offered by the Faculty of Arts and Science, Faculty of Fine Arts, or School of Liberal Education at the 3000/4000 level. At least half of the courses required in the major must be completed at the University of Lethbridge.

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A **maximum** of 12 courses (36.0 credit hours) may be completed at the 1000 level (or lower) for credit towards the degree, excluding Activity courses (labelled PHAC and MUSE) and courses numbered in the range of 0520 to 0530.

1.-12. Introductory Course Limit

- _____ 1. _____
- _____ 2. _____
- _____ 3. _____
- _____ 4. _____
- _____ 5. _____
- _____ 6. _____
- _____ 7. _____
- _____ 8. _____
- _____ 9. _____
- _____ 10. _____
- _____ 11. _____
- _____ 12. _____

A **minimum** of 15 courses (45.0 credit hours) from disciplines offered by the Faculty of Arts and Science, Faculty of Fine Arts, or School of Liberal Education at the 3000/4000 level, excluding Activity courses (labelled PHAC and MUSE). Out-of-faculty courses (i.e. labelled ACCT, ADCS, AGEM, CDEV, CRED, EDUC, FINC, GLBU, HLSC, HRLR, IGBM, INHL, MGT, MKTG, NURS, PUBH, and TREC) will not meet this requirement.

1.-15. Senior Course Requirement

- _____ 1. _____
- _____ 2. _____
- _____ 3. _____
- _____ 4. _____
- _____ 5. _____
- _____ 6. _____
- _____ 7. _____
- _____ 8. _____
- _____ 9. _____
- _____ 10. _____
- _____ 11. _____
- _____ 12. _____
- _____ 13. _____
- _____ 14. _____
- _____ 15. _____

Optional Minor:

For information about minors see **Minors** in the 2025/2026 University of Lethbridge Calendar, www.ulethbridge.ca/ross/academic-calendar. Consult with an Academic Advisor if you wish to add a minor to your program.

1.-6. Required Courses

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



RECOMMENDED SEQUENCING PLAN (2025/2026)

Recommended Course Sequence

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Shown below is the recommended sequence of courses for your degree. Consult timetables for course offerings, prerequisites, and corequisites before registering each term as some courses may have limited offerings (ie. once a year, alternating years, or only offered in the Fall or Winter terms). Consult with an Academic Advisor in your faculty if you wish to alter this sequence with regard to the specifically listed courses.

Note that this sequence was prepared based on course scheduling at the time of publication and may change during your studies.

First Year

Agricultural Studies 1000
Biology 1010
Biology 1020
Chemistry 1110
Economics 1010
Geography 1000
Statistics 1770
Secondary subfield course
Lib Ed Requirement course
Lib Ed Requirement course

Second Year

Biology 2000
Required Computer Science, Mathematics, or Physics course
Primary subfield course
Primary subfield course
Secondary subfield course
Lib Ed Requirement course
Elective
Elective
Elective
Elective

Third Year

Agricultural Studies 3300
Primary subfield course 3000/4000 level
Elective 3000/4000 level
Elective 3000/4000 level
Elective

Technical Studies Term (15.0 credit hours)

Students will receive credit for the following (upon successful completion and receipt of transcripts):

- 2 Agricultural Studies 3000-level non-science courses
- 3 Agricultural Studies 2000-level non-science courses

Fourth Year

Agricultural Studies 4000
Agricultural Studies 4300
Primary subfield course 3000/4000 level
Primary subfield course 3000/4000 level
Primary subfield course 3000/4000 level
Elective 3000/4000 level
Elective 3000/4000 level
Elective 3000/4000 level
Elective 3000/4000 level
Elective

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 and/or the Concentration in Geographical Information Systems should choose those prescribed courses in place of Elective courses or Lib Ed Requirement courses.