

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

Bachelor of Science
Agricultural Studies

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 40 courses (120.0 credit hours) with cumulative and graduation grade point averages of at least 2.00.

Major Requirements (20 courses)

- _____ Agricultural Studies 1000 - The Evolution of Agriculture
- _____ Agricultural Studies 3300 - Modelling of Agricultural Systems
- _____ Agricultural Studies 4000 - Seminar in Agricultural Issues
- _____ Agricultural Studies 4300 - Advanced Modelling of Agricultural Systems
- _____ Biology 1010 - Cellular Basis of Life
- _____ Biology 1020 - Diversity of Life
- _____ Biology 2000 - Principles of Genetics
- _____ Chemistry 1110 - Chemistry for Life Sciences I
- _____ Economics 1010 - Introduction to Microeconomics
- _____ Geography 1000 - Introduction to Physical Geography
- _____ Statistics 1770 - Introduction to Probability and Statistics

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

Subfield requirements (eight courses):

- _____ Six courses (18.0 credit hours) from either subfield list (1. or 2.) below
- _____ Two courses (6.0 credit hours) from the other subfield list below

Four of the subfield courses (12.0 credit hours) must be at the 3000/4000 level

1. Biological Sciences

- | | |
|---------------------------------|----------------------------------|
| _____ Biology 2150 | _____ Biology 3560 |
| _____ Biology 2200 | _____ Biology 3700 |
| _____ ¹ Biology 2300 | _____ Biology 3710 |
| _____ Biology 3420 | _____ Biology 3720 |
| _____ Biology 3460 | _____ Biology 4570 |
| _____ Biology 3520 | _____ Chemistry 2120 |
| _____ Biology 3530 | _____ Environmental Science 2000 |

2. Geography

- | | |
|----------------------------------|----------------------|
| _____ Environmental Science 2000 | _____ Geography 3400 |
| _____ Geography 2030 | _____ Geography 3700 |
| _____ Geography 2065 | _____ Geography 3720 |
| _____ Geography 2300 | _____ Geography 3740 |
| _____ Geography 2700 | _____ Geography 4060 |
| _____ Geography 2735 | _____ Geography 4065 |
| _____ Geography 3075 | _____ Geography 4400 |
| _____ Geography 3080 | _____ Geography 4725 |
| _____ Geography 3210 | _____ Geography 4740 |

Technical Studies Term (5 courses)

- _____ Agricultural Studies 2000 unspecified
- _____ Agricultural Studies 2000 unspecified
- _____ Agricultural Studies 2000 unspecified
- _____ Agricultural Studies 3000 unspecified
- _____ Agricultural Studies 3000 unspecified

Other Courses (minimum 15 courses)

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

Notes

¹Corequisite required: Biochemistry 2000.

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.

Completion of the Liberal Education List Requirement (Lib Ed 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.

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

See the 2022/2023 Calendar, p. 81, for more information.

_____ Four Fine Arts and Humanities courses:

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

_____ Four Social Science courses:

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

_____ Four Science courses:

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

Not more than 12 courses (36.0 credit hours) may be completed at the 1000 level (or lower) [0500 - 1999] for credit towards the degree, excluding Activity courses (labelled PHAC and MUSE) and courses numbered in the range of 0520 to 0530.

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

_____ **Minor (Optional):** _____
See the 2022/2023 Calendar, p. 323, for more information.

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

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

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

_____ Not more than five Independent Study courses (15.0 credit hours) may be completed for credit towards the degree.

_____ Not more than 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.

_____ * Not more than 24 courses (72.0 credit hours) may be completed from any one discipline for credit towards the degree.

_____ Not more than six 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).

_____ Not more than six courses (18.0 credit hours) from disciplines 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 ABHL, ACCT, ADCS, AGEM, CDEV, CRED, EDUC, FINC, HLSC, HRLR, IGBM, IMGT, MGT, MKTG, NURS, PUBH, and TREC). Courses cross-listed between the Faculty of Arts and Science and another Faculty do not count towards this limit.

_____ Residence requirement:

Degree: 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.

Major: at least half of the courses required in the major must be completed at the University of Lethbridge.

*Disciplines are identified by a specific course label (e.g. KNES, ASTR, and HIST are separate disciplines).

_____ **Concentration (Optional):** _____
See the 2022/2023 Calendar, p. 100, for more information.

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

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.

Year 1, Fall

Agricultural Studies 1000
Biology 1010 or Biology 1020
Chemistry 1110
Geography 1000
 Lib Ed Requirement course

Year 2, Fall

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

Year 3, Fall

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

Year 4, Fall

Primary subfield course 3000/4000 level
 Primary subfield course 3000/4000 level
 Elective 3000/4000 level
 Elective 3000/4000 level
 Elective

Year 1, Spring

Biology 1020 or Biology 1010
Economics 1010
 Statistics 1770
 Secondary subfield course
 Lib Ed Requirement course

Year 2, Spring

Primary subfield course
 Secondary subfield course
 Elective
 Elective
 Elective

Year 3, Spring

Technical Studies Term (15.0 credit hours)¹
 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

Year 4, Spring

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

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

