



Calendar Year: 2026/2027

# PROGRAM PLANNING GUIDE

Name: \_\_\_\_\_

ID:

## 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](http://www.ulethbridge.ca/ross/academic-calendar)) for complete program information.

**Calendar Year:** 2026/2027 - 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](http://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](http://www.ulethbridge.ca/ross/minors).

#### Am I admissible to this program?

**Admission:** [www.ulethbridge.ca/ross/admissions/undergrad](http://www.ulethbridge.ca/ross/admissions/undergrad)

**Transfer:** [www.ulethbridge.ca/ross/transfer-resources](http://www.ulethbridge.ca/ross/transfer-resources)

#### When/How do I apply to the University?

**Deadlines:** [www.ulethbridge.ca/ross/admissions/undergrad/deadlines](http://www.ulethbridge.ca/ross/admissions/undergrad/deadlines)

**Step-by-Step:** [www.ulethbridge.ca/ross/admissions/step-by-step](http://www.ulethbridge.ca/ross/admissions/step-by-step)

#### Where can I find information on courses?

**Course Catalogue:** [www.ulethbridge.ca/ross/courses](http://www.ulethbridge.ca/ross/courses)

**Registration Guide:** [www.ulethbridge.ca/ross/registration-guide](http://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](http://www.ulethbridge.ca/ross/registration-dates)

#### How can I enhance my program?

**Career Bridge:** [www.ulethbridge.ca/career-bridge](http://www.ulethbridge.ca/career-bridge)

**Co-op Education:** [www.ulethbridge.ca/career-bridge/co-operative-education](http://www.ulethbridge.ca/career-bridge/co-operative-education)

**Honours Thesis:** [www.ulethbridge.ca/ross/undergraduate-thesis](http://www.ulethbridge.ca/ross/undergraduate-thesis)

**Double Major:** [www.ulethbridge.ca/ross/double-major](http://www.ulethbridge.ca/ross/double-major)

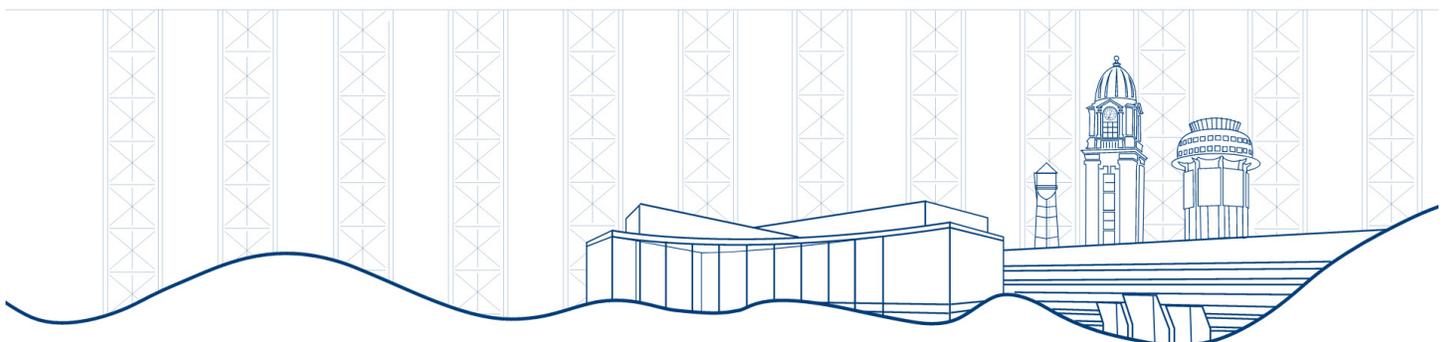
#### What supports are available to students?

**Student Services:** [www.ulethbridge.ca/campus-life/student-services](http://www.ulethbridge.ca/campus-life/student-services)

**Student Success Centre:** [www.ulethbridge.ca/student-success-centre](http://www.ulethbridge.ca/student-success-centre)

**Accessible Learning:** [www.ulethbridge.ca/ross/alc](http://www.ulethbridge.ca/ross/alc)

**Counselling Services:** [www.ulethbridge.ca/counselling](http://www.ulethbridge.ca/counselling)



Version: February 17, 2026

Contact an Academic Advisor ([www.ulethbridge.ca/ross/academic-advising](http://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.



**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
- \_\_\_\_\_ <sup>1</sup>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

**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 2000 level
- \_\_\_\_\_ 24. Agricultural Studies unspecified 3000 level
- \_\_\_\_\_ 25. Agricultural Studies unspecified 3000 level

**Notes**

<sup>1</sup> 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 2026/2027 University of Lethbridge Calendar, [www.ulethbridge.ca/ross/academic-calendar](http://www.ulethbridge.ca/ross/academic-calendar).

- \_\_\_\_\_ 1.-5. **Required Courses**
  - \_\_\_\_\_ 1. \_\_\_\_\_
  - \_\_\_\_\_ 2. \_\_\_\_\_
  - \_\_\_\_\_ 3. \_\_\_\_\_
  - \_\_\_\_\_ 4. \_\_\_\_\_
  - \_\_\_\_\_ 5. \_\_\_\_\_



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**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. Geography 3225/Global Business 3225 counts toward the limit for Geography and Dhillon School of Business courses).

Only four courses (12.0 credit hours) in total from the Faculty of Education (EDUC), Faculty of Health Sciences (AMHC, HLSC, INHL, NURS, PUBH, and TREC), and the Dhillon School of Business (ACCT, AGEM, DGTR, 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 2026/2027 University of Lethbridge Undergraduate Calendar, [www.ulethbridge.ca/ross/academic-calendar](http://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, AGEM, AMHC, CDEV, CRED, DGTR, 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.

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, AGEM, AMHC, CDEV, CRED, DGTR, 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 2026/2027 University of Lethbridge Calendar, [www.ulethbridge.ca/ross/academic-calendar](http://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. \_\_\_\_\_



Name: \_\_\_\_\_

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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.