Program Planning Guide

Departments: Biological Sciences, Chemistry and Biochemistry, and Economics
Calendar Year: 2019/2020
Name: __________________________________________
ID: __________________________________________

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.
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. ___________________

Notes

3. Prerequisite 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).

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. 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

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<thead>
<tr>
<th><strong>Year 1, Fall</strong></th>
<th><strong>Year 1, Spring</strong></th>
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<tbody>
<tr>
<td>Agricultural Studies 1000</td>
<td>Biology 2000</td>
</tr>
<tr>
<td>Biology 1010</td>
<td>Chemistry 2120</td>
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<td>Economics 3220</td>
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<td>One of: Philosophy 2001, Philosophy 2236 or Philosophy 3402</td>
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<td>Statistics 1770</td>
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<tr>
<td>Agricultural Studies 3300</td>
<td>Agricultural Studies 4000</td>
</tr>
<tr>
<td>Biology 2200</td>
<td>Biology 3000/4000 level</td>
</tr>
<tr>
<td>Economics 3300</td>
<td>Biology 3000/4000 level</td>
</tr>
<tr>
<td>Geography 3210</td>
<td>Biology 3000/4000 level</td>
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<tr>
<td>Biology 3000/4000 level</td>
<td>Lib Ed Requirement course</td>
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#### Geography Stream

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<td>Geographical Information Science course</td>
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1. Term of offering may vary.

#### 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).