

University of  
Lethbridge



COLLEGE OF  
THE ROCKIES

## Dual Admission Guide

**Calendar Year:** 2016/2017

**Academic Calendar:**

[www.uleth.ca/ross/academic-calendar](http://www.uleth.ca/ross/academic-calendar)

**Dual Admission Resources:**

[www.uleth.ca/ross/dual-admission/cotr](http://www.uleth.ca/ross/dual-admission/cotr)

**Co-operative Education:**

[www.uleth.ca/artsci/coop](http://www.uleth.ca/artsci/coop)

**College of the Rockies Advising:**

[www.cotr.bc.ca/sservices](http://www.cotr.bc.ca/sservices)  
[studentservices@cotr.bc.ca](mailto:studentservices@cotr.bc.ca)  
250-489-8243

**Faculty of Arts and Science Advising:**

[www.uleth.ca/artsci/advising](http://www.uleth.ca/artsci/advising)  
[artsci.advising@uleth.ca](mailto:artsci.advising@uleth.ca)  
403-329-5106  
SU060

**College of the Rockies**

This Dual Admission Guide is designed to help you plan your courses according to the Dual Admission agreement between the College of the Rockies and the University of Lethbridge. This information may help you keep track of your progress. Please remember that this is only a guide, it must be used in conjunction with the College of the Rockies and University of Lethbridge Calendars, which are the final authorities on all questions regarding program requirements and admission. For planning purposes, it is highly recommended that students work with Academic Advisors from both institutions for confirmation and guidance regarding program planning. Students are also advised to consult the University of Lethbridge program planning tools available online at [www.uleth.ca/ross/programs](http://www.uleth.ca/ross/programs) and the Transfer Equivalency Database at [www.uleth.ca/ross/ted](http://www.uleth.ca/ross/ted).

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## Dual Admission: College of the Rockies – University of Lethbridge

Dual admission is a collaborative initiative between College of the Rockies (COTR) and the University of Lethbridge (U of L). Students are enrolled at College of the Rockies for the first two years of their degree program and complete the last two or three years of their degree program at the University of Lethbridge.

### Benefits:

- Seamless pathway to begin your academic career at College of the Rockies and finish with a B.A., B.Sc. or B.A.Sc. from the University of Lethbridge
- Learn which courses will transfer for full credit right from the start
- Access to academic advising at both institutions
- Eligibility for scholarships at both institutions. University of Lethbridge scholarships are payable during the first term of registration at the University of Lethbridge.
- Early access to Cooperative Education (Co-op) opportunities and access to Co-op coordinators to assist with successful career planning and job search
- Continuing student status when applying for University of Lethbridge campus housing
- Early course registration dates for first term at University of Lethbridge
- College of the Rockies student-specific orientation

Dual Admission is open to those students who wish to transfer up to 20 courses from a College of the Rockies diploma or degree program to one of the eligible University of Lethbridge degree programs. Students may transfer to select University of Lethbridge programs with fewer than 15 courses with the written permission of an academic advisor from each institution. Students interested in University of Lethbridge programs not listed should contact an academic advisor for information about transferring to the University of Lethbridge.

### Eligible Degree Programs:

- Bachelor of Arts
- Bachelor of Science
- Bachelor of Arts and Science
- Pre-Bachelor of Arts/Bachelor of Education
- Pre-Bachelor of Science/Bachelor of Education

### Application for Dual Admission

Applicants must submit the Dual Admission Application form and application fee to the Registrar's Office at College of the Rockies at least one year before intending to start at the University of Lethbridge. College of the Rockies will send copies of official transcripts on file at the time of application to the University of Lethbridge on behalf of applicants, but applicants will need to arrange for official BC Ministry of Education transcripts to be sent directly to the University of Lethbridge.

Students applying for Dual Admission must meet the University of Lethbridge admission requirements at the time of application:

Number of Transferable Courses	Admission GPA (4.00 Scale) <sup>1</sup>	High School Average <sup>2</sup>
<3 transferable courses	N/A	65%
3-7	2.00	60%
8+	2.00	N/A

<sup>1</sup> The Admission GPA is calculated on all completed transferable courses.

<sup>2</sup> The high school average is calculated using the most advantageous combination of eligible courses. See [www.uleth.ca/ross/admissions/undergrad/high-school/canada](http://www.uleth.ca/ross/admissions/undergrad/high-school/canada) for eligible courses.

### Admission Notes:

- Some majors have additional admission requirements. See [www.uleth.ca/ross/admissions/undergrad/program-availability](http://www.uleth.ca/ross/admissions/undergrad/program-availability) for details.
- Dual Admission does not guarantee admission to the Faculty of Education. Dual Admission students begin their studies at the University of Lethbridge in the Faculty of Arts and Science and take additional courses at the University of Lethbridge to meet admission requirements for the Faculty of Education's competitive teacher preparation program. Contact an advisor for information and advice.

## Activation of Admission to the University of Lethbridge

To be eligible to transition to the University of Lethbridge, students must complete their studies at College of the Rockies with a GPA of at least 3.00 on the College of the Rockies 10-point grading scale (2.00 on the University of Lethbridge 4-point scale) on the transferable courses completed at the College of the Rockies.

Before submitting the Dual Admission Confirmation of Admission form, students must obtain approval from a College of the Rockies academic advisor and an unofficial College of the Rockies transcript. Students must submit the completed Dual Admission Confirmation of Admission form, along with payment for the \$200 tuition deposit and unofficial College of the Rockies transcript, to the University of Lethbridge Registrar's Office before the deadlines indicated below.

Term of Attendance (U of L)	Deadline
Fall (September)	February 15
Summer (May)	February 15
Spring (January)	September 15

Students may activate their dual admission at any time after the specified date, but could lose the advantage of an early registration date and eligibility for scholarships. Students planning to begin Co-operative Education in the Summer Term should activate by October 15 to begin the Co-op application and job search process.

### Time Limit

Students must transition to the University of Lethbridge within three years of being dually admitted.

### Transfer Credit

Transfer credit is awarded upon confirmation of admission to the University of Lethbridge as per the transfer agreement between College of the Rockies and the University of Lethbridge, and University of Lethbridge program and residence requirements. The minimum grade required for a course to be transferred to the University of Lethbridge is a 'D'.

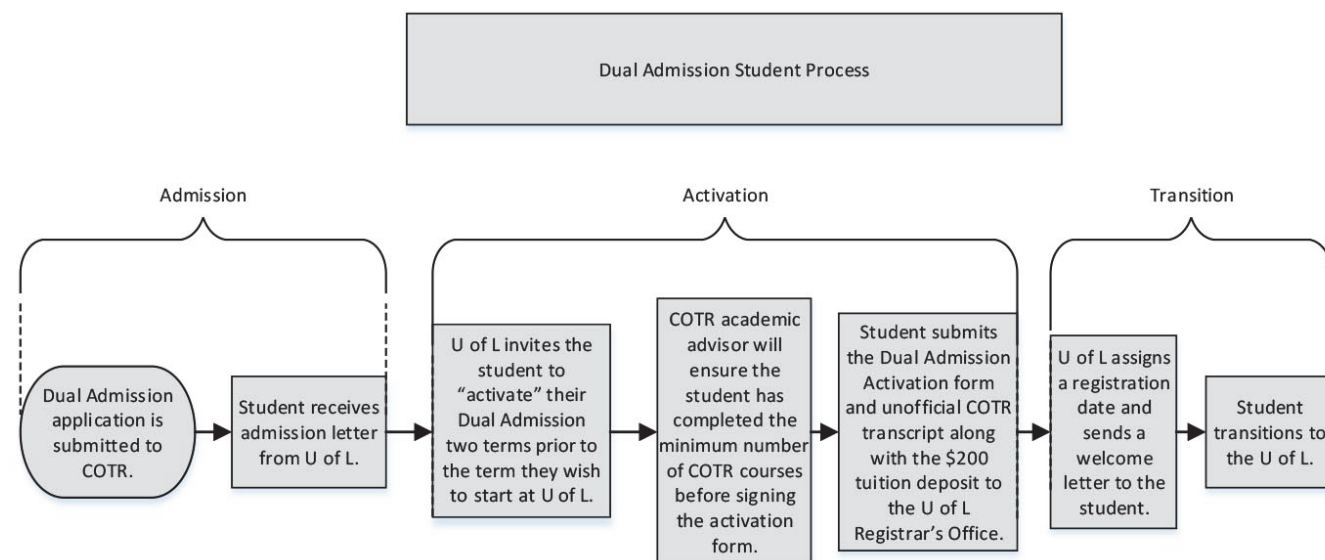
Unspecified course credit (1xxx, 2xxx, etc.) means that the University of Lethbridge does not offer an equivalent course to the course you transferred in, but we recognize it and treat it as a university-level course. An unspecified course may not meet a specific course requirement. For example, if ANTH 1000 is required in your program, you may not use ANTH 1xxx to fulfill that requirement. Please contact a Student Program Advisor in the Faculty of Arts and Science for more information.

### Year of Calendar

A student admitted to a program offered by the University of Lethbridge is governed by program requirements of the University Calendar in effect at the time of dual admission and by the current Calendar in all other respects. Students may contact a Student Program Advisor in the Faculty of Arts and Science if they wish to follow another Calendar year.

### Co-operative Education

A Co-op option, requiring three work terms, is available. Students interested in the Co-operative Education/Internship program should contact the Coordinator of Co-operative Education in the Career Resources Centre at the University of Lethbridge (AH154 | phone: 403-382-7154) for further information.



## Degree Requirements (B.A., B.Sc., BASc.)

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### Bachelor of Arts Bachelor of Science Bachelor of Arts and Science

1. Completion of at least 40 courses (120.0 credit hours) with a grade point average of at least 2.00.
2. Completion of the General Liberal Education Requirement.
3. Not more than 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).
4. Completion of at least 15 courses (45.0 credit hours) from disciplines offered by the Faculty of Arts and Science or the Faculty of Fine Arts at the 3000/4000 level, excluding Activity courses (labelled PHAC and MUSE).
5. Not more than five Independent Study courses (15.0 credit hours) may be completed for credit towards the degree.
6. 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.
7. Not more than 24 courses (72.0 credit hours) may be completed from any one discipline for credit towards the degree.  
*Note: Disciplines are identified by a specific course label (e.g. KNES, ASTR, and HIST are separate disciplines).*
8. 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).
9. Not more than four courses (12.0 credit hours) from disciplines offered outside the Faculty of Arts and Science or the Faculty of Fine Arts may be completed for credit towards the degree (i.e. labelled ADCS, CDEV, CRED, EDUC, HLSC, MGT, NURS, PUBH, and TREC). Courses cross-listed between the Faculty of Arts and Science and another Faculty do not count towards this limit.
10. Residence requirement:
  - Degree: At least 20 courses (60.0 credit hours) must be completed at the University of Lethbridge, including at least 10 Arts and Science courses (30.0 credit hours) at the 3000/4000 level.
  - Major: At least half of the courses required in the major must be completed at the University of Lethbridge.  
*Note: For the BASc., at least half of each major must be completed at the University of Lethbridge.*

## Degree Requirements (B.A./B.Ed., B.Sc./B.Ed.)

### Bachelor of Arts and Science Degree Requirements

1. Completion of at least 30 courses (90.0 credit hours) from disciplines offered by the Faculty of Arts and Science or the Faculty of Fine Arts with a grade point average of at least 2.00.
2. Completion of the General Liberal Education Requirement.
3. Not more than 10 courses (30.0 credit hours) completed at the 1000 level (or lower) for credit towards the degree, excluding Activity courses (labelled PHAC and MUSE).
4. Completion of at least 10 courses (30.0 credit hours) from disciplines offered by the Faculty of Arts and Science or the Faculty of Fine Arts at the 3000/4000 level, excluding Activity courses (labelled PHAC and MUSE).
5. Not more than three Independent Study courses (9.0 credit hours) may be completed for credit toward the degree.
6. Not more than three Disciplinary Credit Applied Studies courses (9.0 credit hours) may be completed for credit towards the degree. Students may, in addition, complete Applied Studies 2000, 2001, 2010, and 2011.
7. Not more than 17 courses (51.0 credit hours) may be completed from any one discipline.  
**Note:** *Disciplines are identified by a specific course label (e.g. KNES, ASTR, and HIST are separate disciplines).*
8. 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).
9. Residence Requirement:  
Degree: At least 15 courses (45.0 credit hours) offered by the Faculty of Arts and Science or the Faculty of Fine Arts must be completed at the University of Lethbridge.  
Major: At least half of the courses required in the major must be completed at the University of Lethbridge.

### Bachelor of Education Degree Requirements

1. Application and admission to the Faculty of Education.
2. Completion of the equivalent of 20 Education courses including:  
Education 2500  
\* Professional Semesters I, II and III  
One Education Foundation course  
Three Education electives  
*\* Students entering the Faculty of Education should note that practicum placements include locations outside of Lethbridge. Students must be prepared to travel. Some locations require relocation Monday to Friday.  
While not an admission requirement to the Faculty of Education, school jurisdictions and schools require a criminal record check (or equivalent) from student teachers prior to practicum. The student is responsible for the cost of obtaining such documentation.*
3. Maintenance of a program grade point average of 2.50 in Education courses.
4. Completion of the appropriate Education major as defined by the program, and a cumulative GPA of 2.50 in the courses comprising the major.
5. Completion of the General Liberal Education Requirement.
6. Residence Requirement: At least 15 courses (45 credit hours) in Education must be completed at the University of Lethbridge.

### Choosing an Education Major

The Faculty of Education offers 11 different majors that correspond to teaching subjects in Alberta schools (see p. 161 in the 2016/2017 University of Lethbridge Calendar for a listing). In highly competitive teaching majors, the GPA for admission may be above the minimum requirements.

### Choosing Courses Outside the Major

Students sometimes find that their initial objective to teach only at the elementary or secondary school level is later modified or even completely changed. Students are therefore encouraged to select courses that will prepare them for teaching in a variety of situations.

### Education Minors

The Faculty of Education offers 18 minors (see p. 166 in the 2016/2017 University of Lethbridge Undergraduate Calendar and Course Catalogue for a listing). A minor consists of five non-Education courses (excluding those used in the major) and one curriculum and instruction Education course (to be completed after admission to the Faculty of Education).

### Education Specializations

The Faculty of Education offers two specializations:

- Special/Inclusive Education
- Technology in Education

The specializations consist of four courses and the corresponding Professional Semester III Special Focus Internship.

## General Liberal Education Requirement (GLER)

The General Liberal Education Requirement (GLER) is a 12-course requirement (36.0 credit hours) for all University of Lethbridge undergraduate students. It is based on the liberal education philosophy of the University and is designed to ensure that students acquire breadth of knowledge encompassing a wide range of disciplines. The GLER must be completed by the time of graduation. To meet the GLER, you must complete four courses (12.0 credit hours) from each of the following three groups that will also meet degree requirements. See the appropriate faculty sections in the University of Lethbridge Calendar and Course Catalogue for a listing of the disciplines that pertain to each faculty. Courses required for the major and/or minor may be used to satisfy the GLER. If a COTR course is being used to meet the GLER, it must transfer appropriately as indicated below. (Note: The most up-to-date information can be found at [www.uleth.ca/ross/ted](http://www.uleth.ca/ross/ted)):

### Fine Arts and Humanities Courses

<b>Anthropology 120</b> (U of L: NAS 2xxx)	<b>First Nations Studies 205</b> (U of L: NAS 2xxx)	<b>Philosophy</b> - all transferable courses
<b>Creative Writing</b> - all transferable courses	<b>French</b> - all transferable courses	<b>Religious Studies</b> - all transferable courses
<b>English</b> - all transferable courses	<b>History</b> - all transferable courses	<b>Sociology 240</b> (U of L: NAS 2230)
<b>Fine Arts</b> - all transferable courses	<b>Linguistics</b> - all transferable courses	<b>Spanish</b> - all transferable courses
<b>First Nations Studies 101</b> (U of L: NAS 1000)	<b>Nation Rebuilding 102/152</b>	
<b>First Nations Studies 203</b> (U of L: NAS 1000)	(U of L: NAS 3590 or MGT 3590)	

### Social Science Courses

<b>Accounting 261/262</b> (U of L: MGT 2100)	<b>Human Service Worker</b> - all transferable courses	<b>Psychology 270</b> (U of L: PSYC 2xxx)
<b>Anthropology 101</b> (U of L: ANTH 1000)	<b>Kinesiology 101</b> (U of L: SSCI 1xxx)	<b>Sociology 101</b> (U of L: SOCI 1xxx)
<b>Anthropology 105</b> (U of L: SSCI 1xxx)	<b>Kinesiology 152</b> (U of L: KNES 1000)	<b>Sociology 102</b> (U of L: SOCI 1xxx)
<b>Anthropology 211</b> (U of L: ANTH 2600)	<b>Kinesiology 204</b> (U of L: KNES 2140)	<b>Sociology 101/102</b> (U of L: SOCI 1000/1xxx)
<b>Anthropology 212</b> (U of L: ANTH 2600)	<b>Management 204</b> (U of L: MGT 1000)	<b>Sociology 110</b> (U of L: SOCI 1xxx)
<b>Anthropology 211/212</b> (U of L: ANTH 2600/2xxx)	<b>Management 216</b> (U of L: MGT 2030)	<b>Sociology 201</b> (U of L: SOCI 2xxx)
<b>Anthropology 216</b> (U of L: ANTH 2xxx)	<b>Management 302</b> (U of L: MGT 3050 or POLI 3420)	<b>Sociology 202</b> (U of L: SOCI 2410)
<b>Communications 253</b> (U of L: SSCI 2xxx)	<b>Political Science</b> - all transferable courses	<b>Sociology 220</b> (U of L: SOCI 2500)
<b>Criminology</b> - all transferable courses	<b>Psychology 102</b> (U of L: PSYC 1xxx)	<b>Tourism and Recreation Management 100</b> (U of L: KNES 2xxx)
<b>Economics</b> - all transferable courses	<b>Psychology 103</b> (U of L: PSYC 2xxx)	<b>Tourism and Recreation Management 111</b> (U of L: MGT or GEOG 3551)
<b>Environmental Studies</b> - all transferable courses	<b>Psychology 207</b> (U of L: PSYC 2800)	<b>Women's Studies</b> - all transferable courses
<b>First Nations Studies 102</b> (U of L: SSCI 1xxx)	<b>Psychology 240</b> (U of L: PSYC 2505)	
<b>First Nations Studies 201</b> (U of L: SSCI 2xxx)	<b>Psychology 264</b> (U of L: KNES 2140)	

### Science Courses

<b>Accounting 369</b> (U of L: ECON 2xxx or MGT 2xxx)	<b>Computing Science</b> - all transferable courses	<b>Kinesiology 202</b> (U of L: KNES 3630)
<b>Anthropology 102</b> (U of L: ARKY 1000)	<b>Geography</b> - all transferable courses	<b>Kinesiology 203</b> (U of L: KNES 3350)
<b>Astronomy</b> - all transferable courses	<b>Geology</b> - all transferable courses	<b>Kinesiology 205</b> (U of L: KNES 2xxx)
<b>Biology</b> - all transferable courses	<b>Kinesiology 103</b> (U of L: KNES 2650)	<b>Kinesiology 206</b> (U of L: KNES 3610)
<b>Chemistry</b> - all transferable courses	<b>Kinesiology 190</b> (U of L: KNES 1xxx)	<b>Mathematics</b> - all transferable courses
<b>Computer and Web Specialist</b> - all transferable courses	<b>Kinesiology 200/210</b> (U of L: KNES 1160/HLSC 1160 and KNES 1161/HLSC 1161)	<b>Physics</b> - all transferable courses
		<b>Psychology 101</b> (U of L: PSYC 1xxx)
		<b>Statistics</b> - all transferable courses

### Notes

- <sup>1</sup> Archaeology 1000 and Psychology 1000 are normally designated as Science course, but may be designated as Social Science upon admission according to what is most advantageous to the student, or after admission upon application to the Registrar's Office at the University of Lethbridge.
- Only four courses (12.0 credit hours) in total may be counted from any one discipline toward the General Liberal Education Requirement. Disciplines are identified by separate course subject codes at the University of Lethbridge. Only four courses (12.0 credit hours) from each of the Faculties of Education (EDUC), Health Sciences (ADCS, HLSC, PUBH, and TREC), and Management (MGT) may be counted towards the General Liberal Education Requirement. Please refer to the 2016/2017 University of Lethbridge Calendar and Course Catalogue for complete information regarding this requirement.
  - Courses that transfer as unspecified Arts and Science courses will be designated as belonging to one of the three lists, based on the content of the course. This designation will be done by the Admissions Office at the University of Lethbridge upon admission.



## Program Planning (B.A., B.Sc., BASc.)

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### **Bachelor Arts Bachelor of Science Bachelor of Arts and Science**

Student intending to complete the Bachelor of Arts (B.A.), Bachelor of Science (B.Sc.), or Bachelor of Arts and Science (BASc.) degree at the University of Lethbridge may transfer up to 20 courses, including up to half of the major requirements.

The following sample sequences are based on the completion of the Associate of Arts or Associate of Science degree at College of the Rockies, although students may also complete an Arts and Science Diploma and transfer efficiently to the University of Lethbridge. Please contact a College of the Rockies Advisor if you are interested in completing an Arts and Science Diploma.

Some programs may require more than the equivalent of four years of study (assuming 10 courses completed per year) if you decide to complete the entire Associate Degree or Diploma. That type of major is indicated with an explanatory note. Please consult with an Advisor at each institution for permission to transfer before the minimum 15 courses if you are interested in one of those programs.

### **Sample Sequencing Plan**

A Sequencing Plan provides a sample sequence of courses for your degree. This is just one example of how you could complete courses which transfer to the University of Lethbridge. If you wish to follow a different sequence, please contact Academic Advising Services at COTR before registration.

### **GLER Course**

A course that could count toward the General Liberal Education Requirement. You may use courses in your major towards this 12-course requirement. See the 2016/2017 University of Lethbridge Undergraduate Calendar and Course Catalogue, Part 4 - Academic Regulations for complete information.

### **Elective**

A course that you may choose freely from all those available and applicable to your program. You may use courses inside or outside your major, but be aware of the residence requirement for the major.

### Agricultural Biotechnology (B.Sc.)

The major in Agricultural Biotechnology provides background for a diverse range of activities such as graduate study in the life sciences and career development within the agricultural industry; the program is often taken as a means of completing pre-professional requirements leading to a veterinary degree.

Please refer to the program website ([www.uleth.ca/artsci/agricultural-biotechnology](http://www.uleth.ca/artsci/agricultural-biotechnology)) for more information.

Associate of Science Degree Requirements	Registration Advice	U of L Course Equivalents
6 credits in first-year English	2 transferable ENGL	2 ENGL or WRIT
6 credits in Math (including 3 credits in Calculus)	MATH 103 or 221 1 MATH elective	MATH 1560 or 1410 1 Elective
18 credits of first-year Science (max. 6 credits in one subject)	BIOL 101/102 CHEM 101 CHEM 102 2 Science electives	BIOL 1010/1020 CHEM 1000 CHEM 2000 2 Electives
18 credits of second-year Science (in two or more subjects)	BIOL 202 BIOL 203 BIOL 204 CHEM 201 CHEM 202 1 Science elective	BCHM 2000 BIOL 2000 BIOL 2200 CHEM 2500 CHEM 2600 1 Elective
6 credits in Arts (non- ENGL)	ECON 101 1 FA/Humanities GLER	ECON 1010 1 FA/Humanities GLER
6 credits in first- or second-year courses	1 Social Science GLER 1 Elective	1 Social Science GLER 1 Elective

### Agricultural Studies (B.A.)

Agricultural Studies is a broad multidisciplinary program encompassing a purposeful blend of the physical sciences, economics, and other social sciences. The aim of the program is to improve the understanding and practice of activities that transform natural capital, plants, and animals to satisfy myriad human wants. The curriculum enables aspiring agriculturalists to explore and learn about the physical and economic interrelationships between agricultural production, marketing and trade, nutrient management, water, grazing, rangeland, and riparian management. The program provides the foundation for a wide variety of career alternatives related to primary production, input supply services including banking, commodity marketing and processing, and agri-food retailing.

Please refer to the program website ([www.uleth.ca/artsci/agricultural-studies](http://www.uleth.ca/artsci/agricultural-studies)) for more information.

Associate of Arts Degree Requirements	Registration Advice	U of L Course Equivalents
6 credits in first-year English	2 transferable ENGL	2 ENGL or WRIT
18 credits in first-year Arts other than English (max. 6 credits in one subject) <ul style="list-style-type: none"> <li>• 6 credits in Social Sciences</li> <li>• 6 credits in Humanities/Fine Arts</li> <li>• 6 credits in Arts</li> </ul>	ECON 101 ECON 102 ANTH 101 or POLI 100 PHIL 102 1 FA/Humanities GLER 1 Arts elective	ECON 1010 ECON 1012 ANTH 1000 or POLI 1000 PHIL 1000 (recommended) 1 FA/Humanities GLER 1 Elective
18 credits of second-year Arts (in two or more subjects)	ECON 207 ECON 250 4 Arts electives	ECON 3030 ECON 3220 4 Electives
9 credits in Science <ul style="list-style-type: none"> <li>• 3 credits in Math, Statistics, or Computing Science</li> <li>• 3 credits in Laboratory Science</li> <li>• 3 other credits in Science</li> </ul>	STAT 106 BIOL 101/102	STAT 1770 BIOL 1010/1020
9 credits in first- or second-year courses	3 Electives	3 Electives

### Agricultural Studies (B.Sc.)

Agricultural Studies is a broad multidisciplinary program encompassing the physical sciences, economics and other social sciences. The aim of the program is to improve the understanding and practice of activities that transform natural capital, plants and animals to satisfy myriad human wants. The curriculum enables aspiring agriculturalists to explore and learn about the physical and economic interrelationships between agricultural production, marketing and trade, nutrient management, water, grazing, rangeland and riparian management. The program provides the foundation for a wide variety of career alternatives related to primary production, input supply services including banking, commodity marketing and processing, and agri-food retailing.

Please refer to the program website ([www.uleth.ca/artsci/agricultural-studies](http://www.uleth.ca/artsci/agricultural-studies)) for more information.

Associate of Science Degree Requirements	Registration Advice	U of L Course Equivalents
6 credits in first-year English	2 transferable ENGL	2 ENGL or WRIT
6 credits in Math (including 3 credits in Calculus)	MATH 103 1 MATH elective	MATH 1560 1 Elective
18 credits of first-year Science (max. 6 credits in one subject)	BIOL 101/102 GEOG 101 GEOG 102 GEOL 105 1 Science elective	BIOL 1010/1020 GEOG 1000 GEOG 2030 GEOL 2060 1 Elective
18 credits of second-year Science (in two or more subjects)	BIOL 203 BIOL 204 BIOL 208 3 Science electives	BIOL 2000 BIOL 2200 BIOL 3530 3 Electives
6 credits in Arts (non- ENGL)	ECON 101 1 FA/Humanities GLER	ECON 1010 1 FA/Humanities GLER
6 credits in first- or second-year courses	2 Electives	2 Electives

### Anthropology (B.A.)

Anthropology is the academic study of the diversity of human life in local settings, whether in the past or present. The particulars of any local life, society or culture, however, are not isolated from global influence. Contemporary anthropology examines the material, social and cultural conditions of human behaviour and life from this locally global perspective. Traditionally, long-term ethnographic and archaeological fieldwork in other societies has been the hallmark of the anthropological study of the human condition, but anthropologists are also cultural critics considering issues of race, gender, power, space and government in their own societies as well. The anthropological perspective makes significant contributions to fields as diverse as health, education, international development, religion, policy, urban studies, indigenous studies, economics and politics.

Please refer to the program website ([www.uleth.ca/artsci/anthropology](http://www.uleth.ca/artsci/anthropology)) for more information.

Associate of Arts Degree Requirements	Registration Advice	U of L Course Equivalents
6 credits in first-year English	2 transferable ENGL	2 ENGL or WRIT
18 credits in first-year Arts other than English (max. 6 credits in one subject) <ul style="list-style-type: none"> <li>• 6 credits in Social Sciences</li> <li>• 6 credits in Humanities/Fine Arts</li> <li>• 6 credits in Arts</li> </ul>	ANTH 101 1 ANTH elective 2 FA/Humanities GLER 2 Arts electives	ANTH 1000 1 ANTH elective 2 FA/Humanities GLER 2 Electives
18 credits of second-year Arts (in two or more subjects)	6 Arts electives	6 Electives
9 credits in Science <ul style="list-style-type: none"> <li>• 3 credits in Math, Statistics, or Computing Science</li> <li>• 3 credits in Laboratory Science</li> <li>• 3 other credits in Science</li> </ul>	1 MATH, STAT, or COMP 2 Science GLER	1 Elective 2 Science GLER
9 credits in first- or second-year courses	1 Science GLER 2 Electives	1 Science GLER 2 Electives

**Applied Statistics (B.Sc.)**

Statistics is the study of the collection, organization, analysis, interpretation and presentation of data. Application of statistical techniques is an essential part of decision making and study in a wide range of disciplines such as astronomy, biology, education, economics, geography, engineering, genetics, marketing, medicine, psychology, public health and sports, among many.

Please refer to the program website ([www.uleth.ca/artsci/math-computer-science](http://www.uleth.ca/artsci/math-computer-science)) for more information.

Associate of Science Degree Requirements	Registration Advice	U of L Course Equivalents
6 credits in first-year English	2 transferable ENGL	2 ENGL or WRIT
6 credits in Math (including 3 credits in Calculus)	MATH 103 MATH 104	MATH 1560 MATH 2560
18 credits of first-year Science (max. 6 credits in one subject)	COMP 105 STAT 106 4 Science electives	CPSC 1620 STAT 1170 4 Electives
18 credits of second-year Science (in two or more subjects)	MATH 221 5 Science electives	MATH 1410 5 Electives
6 credits in Arts (non- ENGL)	2 FA/Humanities GLER	2 FA/Humanities GLER
6 credits in first- or second-year courses	2 Social Science GLER	2 Social Science GLER

**Note:** Students completing the Applied Statistics major are required to complete a concentration in Economics, Geography, or Psychology. Within the above sequence, students should complete the following courses, depending on the chosen concentration:

Economics: ECON 101, ECON 102, ECON elective  
Geography: GEOG 101, GEOG 102, GEOG 211 (prereq.), GEOG 212  
Psychology: PSYC 101, PSYC 102, 2 PSYC electives

Students interested in completing B.Sc. (Applied Statistics) at the University of Lethbridge must transfer after 1 year of studies to complete the degree program within the minimum 4 years. Students who decide to transfer after 2 years of study will require extra time to complete their degree program due to course sequencing.

For appropriate transfer after 1 year, students should complete the following courses at College of the Rockies: MATH 103, MATH 104, MATH 221, STAT 106 (plus electives/GLER courses).

**Archaeology and Geography (B.A. or B.Sc.)**

Archaeology is the study of the human past based on cultural remains viewed in their spatial context. Archaeological research is often pursued using spatial and environmental models developed within the field of Geography. The major in Archaeology and Geography allows students to combine theoretical and methodological approaches, in tandem with advanced studies of particular cultures through conventional lecture courses and field work.

Please refer to the program website ([www.uleth.ca/artsci/archaeology](http://www.uleth.ca/artsci/archaeology)) for more information.

Associate of Science Degree Requirements	Registration Advice	U of L Course Equivalents
6 credits in first-year English	2 transferable ENGL	2 ENGL or WRIT
6 credits in Math (including 3 credits in Calculus)	2 MATH electives	2 Electives
18 credits of first-year Science (max. 6 credits in one subject)	GEOG 101 GEOG 102 GEOL 105 3 Science electives	GEOG 1000 GEOG 2030 GEOL 2060 3 Electives
18 credits of second-year Science (in two or more subjects)	GEOG 211 (prereq.) GEOG 212 4 Science electives	GEOG 2xxx GEOG 3740 4 Electives
6 credits in Arts (non- ENGL)	ANTH 101 ANTH 102	ANTH 1000 ARKY 1000
6 credits in first- or second-year courses	1 FREN or SPAN 1 Elective	1 FREN or SPAN 1 Elective

**Art (B.A.)**

*Note: The University of Lethbridge also offers a Bachelor of Fine Arts - Art program with majors in Art Studio or Art History/Museum Studies. Please contact an Academic Advisor in the Faculty of Fine Arts at the University of Lethbridge (phone: 403-329-2691) for more information on this program and how it may facilitate your transfer to the University.*

The major in Art is a broad, general program of study. Students complete required courses in both studio art and art history and museum studies as well as electives chosen from either or both areas. Studio instruction is available in drawing, painting, sculpture, photo-arts, printmaking, computer art, video, installation art, performance art and audio art. Art History and Museum Studies courses are available in all periods and genres of western art including First Nations' and Canadian Art history.

Please refer to the program website ([www.uleth.ca/artsci/art](http://www.uleth.ca/artsci/art)) for more information.

<b>Associate of Arts Degree Requirements</b>	<b>Registration Advice</b>	<b>U of L Course Equivalents</b>
6 credits in first-year English	2 transferable ENGL	2 ENGL or WRIT
18 credits in first-year Arts other than English (max. 6 credits in one subject) <ul style="list-style-type: none"> <li>• 6 credits in Social Sciences</li> <li>• 6 credits in Humanities/Fine Arts</li> <li>• 6 credits in Arts</li> </ul>	FA 106 FA 107 2 Social Science GLER 2 Arts electives	ART 2031 ART 2032 2 Social Science GLER 2 Electives
18 credits of second-year Arts (in two or more subjects)	FA 218 5 Arts electives	ART 3022 5 Electives
9 credits in Science <ul style="list-style-type: none"> <li>• 3 credits in Math, Statistics, or Computing Science</li> <li>• 3 credits in Laboratory Science</li> <li>• 3 other credits in Science</li> </ul>	1 MATH, STAT, or COMP 2 Science GLER	1 Elective 2 Science GLER
9 credits in first- or second-year courses	1 Science GLER 2 Social Science GLER	1 Science GLER 2 Social Science GLER

**Biochemistry (B.Sc.)**

Biochemistry is the study of all living systems at the molecular level. It looks at the chemical and physical basis of life and how these microcosms interact with their environments. The Biochemistry program will help students develop a strong background in the basic sciences and extensive laboratory skills. Thereby, the Biochemistry program provides background for a diverse range of careers in the life sciences, including professional programs such as medicine and veterinary medicine.

Please refer to the program website ([www.uleth.ca/artsci/biochemistry](http://www.uleth.ca/artsci/biochemistry)) for more information.

<b>Associate of Science Degree Requirements</b>	<b>Registration Advice</b>	<b>U of L Course Equivalents</b>
6 credits in first-year English	2 transferable ENGL	2 ENGL or WRIT
6 credits in Math (including 3 credits in Calculus)	MATH 103 MATH 104	MATH 1560 MATH 2560
18 credits of first-year Science (max. 6 credits in one subject)	BIOL 101/102 CHEM 101 CHEM 102 PHYS 103 PHYS 104	BIOL 1010/1020 CHEM 1000 CHEM 2000 PHYS 1000 PHYS 2000
18 credits of second-year Science (in two or more subjects)	BIOL 202 BIOL 203 CHEM 201 CHEM 202 2 Science electives	BCHM 2000 BIOL 2000 CHEM 2500 CHEM 2600 2 Electives
6 credits in Arts (non- ENGL)	2 FA/Humanities GLER	2 FA/Humanities GLER
6 credits in first- or second-year courses	2 Social Science GLER	2 Social Science GLER

### Biological Sciences (B.Sc.)

The Biological Sciences delve into the world of living organisms—from microbes, to human beings, to entire ecosystems—on, under, and above the earth. Exploring the nature of life leads biologists out into the world to study how organisms interact with their environment, how they function, and how they evolved. The curriculum provides basic studies in molecular and cellular biology, organismal biology, and ecology and evolutionary biology during a student's first two years, with subsequent opportunities for specialization. Advanced courses also offer opportunities for independent laboratory or field research projects in the three areas. The program provides background for a diverse range of careers in the life sciences and a gateway to professional programs such as medicine and veterinary medicine.

Please refer to the program website ([www.uleth.ca/artsci/biological-sciences](http://www.uleth.ca/artsci/biological-sciences)) for more information.

Associate of Science Degree Requirements	Registration Advice	U of L Course Equivalents
6 credits in first-year English	2 transferable ENGL	2 ENGL or WRIT
6 credits in Math (including 3 credits in Calculus)	MATH 103 or 221 1 MATH elective	MATH 1560 or 1410 1 Elective
18 credits of first-year Science (max. 6 credits in one subject)	BIOL 101/102 CHEM 101 CHEM 102 2 Science electives	BIOL 1010/1020 CHEM 1000 CHEM 2000 2 Electives
18 credits of second-year Science (in two or more subjects)	BIOL 202 BIOL 203 BIOL 204 CHEM 201 CHEM 202 1 Science elective	BCHM 2000 BIOL 2000 BIOL 2200 CHEM 2500 CHEM 2600 1 Elective
6 credits in Arts (non- ENGL)	2 FA/Humanities GLER	2 FA/Humanities GLER
6 credits in first- or second-year courses	2 Social Science GLER	2 Social Science GLER

### Canadian Studies (B.A.)

The Canadian Studies major is for students wishing to deepen their understanding of Canada. The major comprises a core of courses that provide a foundation for more focused and advanced study. Beyond the core, students choose from amongst several interdisciplinary thematic areas. Many Canadian Studies graduates work in business, as teachers, in government at all levels; others have gone on to study for advanced degrees in law and public administration.

Please refer to the program website ([www.uleth.ca/artsci/canadian-studies](http://www.uleth.ca/artsci/canadian-studies)) for more information.

Associate of Arts Degree Requirements	Registration Advice	U of L Course Equivalents
6 credits in first-year English	2 transferable ENGL	2 ENGL or WRIT
18 credits in first-year Arts other than English (max. 6 credits in one subject) <ul style="list-style-type: none"> <li>• 6 credits in Social Sciences</li> <li>• 6 credits in Humanities/Fine Arts</li> <li>• 6 credits in Arts</li> </ul>	FREN 101 FREN 102 FNST 101 2 Social Science GLER 1 Arts elective	FREN 1000 FREN 1100 NAS 1000 2 Social Science GLER 1 Elective
18 credits of second-year Arts (in two or more subjects)	HIST 201 HIST 202 POLI 203 3 Arts electives	HIST 2710 HIST 2720 POLI 2210 3 Electives
9 credits in Science <ul style="list-style-type: none"> <li>• 3 credits in Math, Statistics, or Computing Science</li> <li>• 3 credits in Laboratory Science</li> <li>• 3 other credits in Science</li> </ul>	1 MATH, STAT, or COMP 2 Science GLER	1 Elective 2 Science GLER
9 credits in first- or second-year courses	1 Science GLER 2 Electives	1 Science GLER 2 Electives

## Chemistry (B.Sc.)

Chemistry is the central science of matter, dealing with the 118 known elements from which everything is made. It studies the transformations and properties of all substances - natural and synthetic. Chemistry students develop a strong background in theory and practice and acquire extensive laboratory skills. Chemistry is an experimental science, and students are strongly encouraged to perform original research in partial fulfillment of the degree requirements. The Major in Chemistry leads to professional certification (P.Chem.), and graduates are prepared for careers in industry or the public sector. The degree is also suitable for advanced study in chemistry and can be used to prepare for other professional programs (Medicine, Dentistry and Veterinary Medicine).

Please refer to the program website ([www.uleth.ca/artsci/chemistry-biochemistry](http://www.uleth.ca/artsci/chemistry-biochemistry)) for more information.

Associate of Science Degree Requirements	Registration Advice	U of L Course Equivalents
6 credits in first-year English	2 transferable ENGL	2 ENGL or WRIT
6 credits in Math (including 3 credits in Calculus)	MATH 103 MATH 104	MATH 1560 MATH 2560
18 credits of first-year Science (max. 6 credits in one subject)	BIOL 101/102 CHEM 101 CHEM 102 PHYS 103 PHYS 104	BIOL 1010/1020 CHEM 1000 CHEM 2000 PHYS 1000 PHYS 2000
18 credits of second-year Science (in two or more subjects)	BIOL 202 CHEM 201 CHEM 202 3 Science electives	BCHM 2000 CHEM 2500 CHEM 2600 3 Electives
6 credits in Arts (non- ENGL)	2 FA/Humanities GLER	2 FA/Humanities GLER
6 credits in first- or second-year courses	2 Social Science GLER	2 Social Science GLER

**Note:** Students interested in completing B.Sc. (Chemistry) at the University of Lethbridge must transfer after 1 year of studies to complete the degree program within the minimum 4 years. Students who decide to transfer after 2 years of study will require extra time to complete their degree program due to course sequencing.

For appropriate transfer after 1 year, students should complete the following courses at College of the Rockies: CHEM 101, 102, MATH 103, 104, PHYS 103, 104 (plus electives/GLER courses).

## Computer Science (B.Sc.)

Computer Science is the study of algorithms and data structures and their applications in designing new and efficient solutions to industrial, technological, environmental or social problems. The program is designed to enable students to gain both theoretical knowledge and practical experience, and includes access to state-of-the-art hardware and software.

Please refer to the program website ([www.uleth.ca/artsci/math-computer-science](http://www.uleth.ca/artsci/math-computer-science)) for more information.

Associate of Science Degree Requirements	Registration Advice	U of L Course Equivalents
6 credits in first-year English	2 transferable ENGL	2 ENGL or WRIT
6 credits in Math (including 3 credits in Calculus)	MATH 103, 113, or 221 MATH 220	MATH 1560, 1510, or 1410 MATH 2000
18 credits of first-year Science (max. 6 credits in one subject)	COMP 105 COMP 106 4 Science electives	CPSC 1620 CPSC 2620 4 Electives
18 credits of second-year Science (in two or more subjects)	6 Science electives	6 Electives
6 credits in Arts (non- ENGL)	2 FA/Humanities GLER	2 FA/Humanities GLER
6 credits in first- or second-year courses	2 Social Science GLER	2 Social Science GLER

**Note:** Students interested in completing B.Sc. (Computer Science) at the University of Lethbridge must transfer after 1 year of studies to complete the degree program within the minimum 4 years. Students who decide to transfer after 2 years of study will require extra time to complete their degree program due to course sequencing.

For appropriate transfer after 1 year, students should complete the following courses at College of the Rockies: MATH 103, 113, or 221, COMP 105, 106 (plus electives/GLER courses).

### Computer Science and Geographical Information Science (B.Sc.)

Geographical Information Science (GIS) involves the use and analysis of digital maps, databases, models and mobile applications, as well as navigation and spatial integration tools. Major GIS application areas include remote sensing, geographical information systems, computer graphics, image processing and mapping and spatial modelling. These rely on advanced computer science algorithms and software development, platform integration, hardware design and operating system principles. The major provides applied training coupled with a solid theoretical and developmental foundation. Graduates have the choice of a wide range of employment opportunities that involve applications, development, or both.

Please refer to the program website ([www.uleth.ca/artsci/gis](http://www.uleth.ca/artsci/gis)) for more information.

Associate of Science Degree Requirements	Registration Advice	U of L Course Equivalents
6 credits in first-year English	2 transferable ENGL	2 ENGL or WRIT
6 credits in Math (including 3 credits in Calculus)	2 MATH electives	2 Electives
18 credits of first-year Science (max. 6 credits in one subject)	COMP 105 COMP 106 GEOG 101 GEOG 102 2 Science electives	CPSC 1620 CPSC 2620 GEOG 1000 GEOG 2030 2 Electives
18 credits of second-year Science (in two or more subjects)	GEOG 211 (prereq.) GEOG 212 4 Science electives	GEOG 2xxx GEOG 3740 4 Electives
6 credits in Arts (non- ENGL)	2 FA/Humanities GLER	2 FA/Humanities GLER
6 credits in first- or second-year courses	2 Social Science GLER	2 Social Science GLER

**Note:** Students interested in completing B.Sc. (Computer Science and GIS) at the University of Lethbridge must transfer after 1 year of studies to complete the degree program within the minimum 4 years. Students who decide to transfer after 2 years of study will require extra time to complete their degree program due to course sequencing.

For appropriate transfer after 1 year, students should complete the following courses at College of the Rockies: COMP 105, 106, GEOG 101, 102 (plus electives/GLER courses).

### Economics (B.A.)

Economics is the study of the allocation of scarce resources by societies to meet individual and social wants. The major includes a number of courses in microeconomics and macroeconomics. These provide the theoretical framework within which contemporary issues, such as pollution, non-renewable natural resources, free trade, agricultural subsidies, interest rates, government deficits, unemployment, inflation, poverty and third world development can be analyzed and appropriate policies can be recommended.

Please refer to the program website ([www.uleth.ca/artsci/economics](http://www.uleth.ca/artsci/economics)) for more information.

Associate of Arts Degree Requirements	Registration Advice	U of L Course Equivalents
6 credits in first-year English	2 transferable ENGL	2 ENGL or WRIT
18 credits in first-year Arts other than English (max. 6 credits in one subject) <ul style="list-style-type: none"> <li>• 6 credits in Social Sciences</li> <li>• 6 credits in Humanities/Fine Arts</li> <li>• 6 credits in Arts</li> </ul>	ECON 101 ECON 102 2 FA/Humanities GLER 2 Arts electives	ECON 1010 ECON 1012 2 FA/Humanities GLER 2 Electives
18 credits of second-year Arts (in two or more subjects)	3 ECON electives 3 Arts electives	3 ECON electives 3 Electives
9 credits in Science <ul style="list-style-type: none"> <li>• 3 credits in Math, Statistics, or Computing Science</li> <li>• 3 credits in Laboratory Science</li> <li>• 3 other credits in Science</li> </ul>	STAT 106 MATH 103 (recomm.) 1 Science GLER	STAT 1770 MATH 1560 1 Science GLER
9 credits in first- or second-year courses	3 Electives	3 Electives



## English (B.A.)

English is the study of the properties and powers of the English language and literature as the fundamental means by which we communicate our values, ideals and vision. Courses in the fundamentals of the three main literary genres of poetry, prose and drama prepare students for the close study of major works and periods of literature from the British, American, Canadian and Post-Colonial traditions. In addition, the curriculum includes a variety of special courses in rhetoric, the history of language, literary theory, gender, children's literature and creative writing. At the senior level, courses concentrate on specific topics such as particular authors and are conducted in small seminar classes which stimulate open and intensive discussion between students and instructor.

Please refer to the program website ([www.uleth.ca/artsci/english](http://www.uleth.ca/artsci/english)) for more information.

Associate of Arts Degree Requirements	Registration Advice	U of L Course Equivalents
6 credits in first-year English	ENGL 101/102	ENGL 1900/2xxx
18 credits in first-year Arts other than English (max. 6 credits in one subject) <ul style="list-style-type: none"> <li>6 credits in Social Sciences</li> <li>6 credits in Humanities/Fine Arts</li> <li>6 credits in Arts</li> </ul>	2 Social Science GLER 2 FA/Humanities GLER 2 Arts electives	2 Social Science GLER 2 FA/Humanities GLER 2 Electives
18 credits of second-year Arts (in two or more subjects)	3 ENGL electives 3 Arts electives	3 ENGL electives 3 Electives
9 credits in Science <ul style="list-style-type: none"> <li>3 credits in Math, Statistics, or Computing Science</li> <li>3 credits in Laboratory Science</li> <li>3 other credits in Science</li> </ul>	1 MATH, STAT, or COMP 2 Science GLER	3 Science GLER
9 credits in first- or second-year courses	1 Science GLER 2 Social Science GLER	1 Science GLER 2 Social Science GLER

## Environmental Science (B.Sc.)

Environmental Science focuses on understanding the Earth's natural systems and how we, as humans, interact with them. Environmental scientists study the impact of these interactions on the biosphere, hydrosphere, lithosphere and atmosphere using an interdisciplinary approach. They provide us with the information we need to address some of the most pressing issues facing humanity today—like climate change. The Environmental Science program will provide students with the natural and physical science background needed to understand a multitude of environmental systems, as well as the broad perspective required to appreciate the role of humanity in global environmental change.

Please refer to the program website ([www.uleth.ca/artsci/environmental-science](http://www.uleth.ca/artsci/environmental-science)) for more information.

**Note:** Students interested in B.Sc. (Environmental Science) should enrol in the Associate of Science (ASc) - Environmental Sciences at College of the Rockies.

Associate of Science Degree Requirements	Registration Advice	U of L Course Equivalents
6 credits in first-year English	2 transferable ENGL	2 ENGL or WRIT
6 credits in Math (including 3 credits in Calculus)	MATH 103 MATH 221	MATH 1560 MATH 1410
18 credits of first-year Science (max. 6 credits in one subject)	BIOL 101/102 CHEM 101 CHEM 102 GEOG 101 GEOG 102	BIOL 1010/1020 CHEM 1000 CHEM 2000 GEOG 1000 GEOG 2030
18 credits of second-year Science (in two or more subjects)	BIOL 203 BIOL 204 CHEM 201 3 Science electives	BIOL 2000 BIOL 2200 CHEM 2500 3 Electives
6 credits in Arts (non- ENGL)	2 FA/Humanities GLER	2 FA/Humanities GLER
6 credits in first- or second-year courses	2 Social Science GLER	2 Social Science GLER

**French (B.A.)**

French is the study - in French - of the language, literature and culture of the francophone world. Upper-level students may choose to focus on language and linguistics, language and literature, or language and culture. In the course of their studies, students are encouraged to take French courses at a francophone university in Canada or abroad.

Please refer to the program website ([www.uleth.ca/artsci/modern-languages](http://www.uleth.ca/artsci/modern-languages)) for more information.

<b>Associate of Arts Degree Requirements</b>	<b>Registration Advice</b>	<b>U of L Course Equivalents</b>
6 credits in first-year English	2 transferable ENGL	2 ENGL or WRIT
18 credits in first-year Arts other than English (max. 6 credits in one subject) <ul style="list-style-type: none"> <li>• 6 credits in Social Sciences</li> <li>• 6 credits in Humanities/Fine Arts</li> <li>• 6 credits in Arts</li> </ul>	FREN 101 FREN 102 2 Social Science GLER 2 Arts electives	FREN 1000 FREN 1100 2 Social Science GLER 2 Electives
18 credits of second-year Arts (in two or more subjects)	6 Arts electives	6 Electives
9 credits in Science <ul style="list-style-type: none"> <li>• 3 credits in Math, Statistics, or Computing Science</li> <li>• 3 credits in Laboratory Science</li> <li>• 3 other credits in Science</li> </ul>	1 MATH, STAT, or COMP 2 Science GLER	3 Science GLER
9 credits in first- or second-year courses	1 Science GLER 2 Social Science GLER	1 Science GLER 2 Social Science GLER

**French/Spanish (B.A.)**

The French/Spanish major combines a core of French courses with an equal number of courses in Spanish. Students majoring in French and Spanish will study the language, literature and culture of both the francophone and Spanish worlds in their respective languages. Upper-level French students may choose to focus on language and linguistics, language and literature, or language and culture. Upper-level Spanish students will study the language and literature of Spain and Latin America. In the course of their studies, students are encouraged to take university classes in francophone Canada or abroad in countries where French and Spanish are national languages.

Please refer to the program website ([www.uleth.ca/artsci/modern-languages](http://www.uleth.ca/artsci/modern-languages)) for more information.

<b>Associate of Arts Degree Requirements</b>	<b>Registration Advice</b>	<b>U of L Course Equivalents</b>
6 credits in first-year English	2 transferable ENGL	2 ENGL or WRIT
18 credits in first-year Arts other than English (max. 6 credits in one subject) <ul style="list-style-type: none"> <li>• 6 credits in Social Sciences</li> <li>• 6 credits in Humanities/Fine Arts</li> <li>• 6 credits in Arts</li> </ul>	FREN 101 FREN 102 SPAN 101 SPAN 102 2 Social Science GLER	FREN 1000 FREN 1100 SPAN 1000 SPAN 1100 2 Social Science GLER
18 credits of second-year Arts (in two or more subjects)	SPAN 201 SPAN 202 4 Arts electives	SPAN 1500 SPAN 2000 4 Electives
9 credits in Science <ul style="list-style-type: none"> <li>• 3 credits in Math, Statistics, or Computing Science</li> <li>• 3 credits in Laboratory Science</li> <li>• 3 other credits in Science</li> </ul>	1 MATH, STAT, or COMP 2 Science GLER	3 Science GLER
9 credits in first- or second-year courses	1 Science GLER 2 Social Science GLER	1 Science GLER 2 Social Science GLER

### General Major in the Humanities (B.A.)

The General Major in the Humanities is a broad major that supports an ideal of liberal education.

Please refer to the program website ([www.uleth.ca/arts/general-majors](http://www.uleth.ca/arts/general-majors)) for more information.

Students must select three disciplinary streams from the following list:

- One of Art (including courses in Art History and/or Museum Studies), Dramatic Arts, or Music
- English - all courses
- One of French, Japanese, or Spanish
- Classical Languages
  - Greek - all courses
  - Hebrew - all courses
  - Latin - all courses
- History - all courses
- Linguistics - all courses
- Native American Studies - all courses (including courses in Blackfoot and Cree)
- Philosophy - all courses designated Humanities
- Religious Studies - all courses

Associate of Arts Degree Requirements	Registration Advice	U of L Course Equivalents
6 credits in first-year English	2 transferable ENGL	2 ENGL or WRIT
18 credits in first-year Arts other than English (max. 6 credits in one subject) <ul style="list-style-type: none"> <li>• 6 credits in Social Sciences</li> <li>• 6 credits in Humanities/Fine Arts</li> <li>• 6 credits in Arts</li> </ul>	2 courses in First Stream 2 courses in Second Stream 2 Social Science GLER	2 courses in First Stream 2 courses in Second Stream 2 Social Science GLER
18 credits of second-year Arts (in two or more subjects)	2 courses in First Stream 2 courses in Second Stream 2 courses in Third Stream	2 courses in First Stream 2 courses in Second Stream 2 courses in Third Stream
9 credits in Science <ul style="list-style-type: none"> <li>• 3 credits in Math, Statistics, or Computing Science</li> <li>• 3 credits in Laboratory Science</li> <li>• 3 other credits in Science</li> </ul>	1 MATH, STAT, or COMP 2 Science GLER	3 Science GLER
9 credits in first- or second-year courses	1 Science GLER 2 Social Science GLER	1 Science GLER 2 Social Science GLER

### General Major in the Sciences (B.Sc.)

The General Major in the Sciences is a broad major that supports an ideal of liberal education.

Please refer to the program website ([www.uleth.ca/arts/general-majors](http://www.uleth.ca/arts/general-majors)) for more information.

Students must select three disciplinary streams from the following list:

- Archaeology - all courses designated Science
- Biological Sciences - all Biology courses
- Chemistry - all courses (including courses in Biochemistry)
- Computer Science - all courses
- Geography - all courses designated Science (including courses in Geology)
- Kinesiology - all courses designated Science (Physical Activity courses may not be included)
- Mathematics - all courses (including courses in Statistics)
- Neuroscience - all courses
- Physics - all courses (including courses in Astronomy and Engineering)
- Psychology - all courses designated Science

Associate of Science Degree Requirements	Registration Advice	U of L Course Equivalents
6 credits in first-year English	2 transferable ENGL	2 ENGL or WRIT
6 credits in Math (including 3 credits in Calculus)	MATH 103 or 113 1 MATH elective	MATH 1560 or 1510 1 Elective
18 credits of first-year Science (max. 6 credits in one subject)	2 courses in First Stream 2 courses in Second Stream 2 courses in Third Stream	2 courses in First Stream 2 courses in Second Stream 2 courses in Third Stream
18 credits of second-year Science (in two or more subjects)	2 courses in First Stream 2 courses in Second Stream 2 Science electives	2 courses in First Stream 2 courses in Second Stream 2 Electives
6 credits in Arts (non- ENGL)	2 FA/Humanities GLER	2 FA/Humanities GLER
6 credits in first- or second-year courses	2 Social Science GLER	2 Social Science GLER

**General Major in the Social Sciences (B.A.)**

The General Major in the Social Sciences is a broad major that supports an ideal of liberal education.

Please refer to the program website ([www.uleth.ca/artsci/general-majors](http://www.uleth.ca/artsci/general-majors)) for more information.

Students must select three disciplinary streams from the following list:

- Anthropology - all courses
- Archaeology - all courses designated Social Science
- Economics - all courses designated Social Science
- Geography - all courses designated Social Science (courses in Geology may not be included)
- History - all courses
- Kinesiology - all courses designated Social Science (Physical Activity courses may not be included)
- Native American Studies - all courses (courses in Blackfoot and Cree may not be included)
- Political Science - all courses designated Social Science
- Psychology - all courses designated Social Science
- Sociology - all courses
- Women and Gender Studies - all courses

Associate of Arts Degree Requirements	Registration Advice	U of L Course Equivalents
6 credits in first-year English	2 transferable ENGL	2 ENGL or WRIT
18 credits in first-year Arts other than English (max. 6 credits in one subject) <ul style="list-style-type: none"> <li>• 6 credits in Social Sciences</li> <li>• 6 credits in Humanities/Fine Arts</li> <li>• 6 credits in Arts</li> </ul>	2 courses in First Stream 2 courses in Second Stream 2 FA/Humanities GLER	2 courses in First Stream 2 courses in Second Stream 2 FA/Humanities GLER
18 credits of second-year Arts (in two or more subjects)	2 courses in First Stream 2 courses in Second Stream 2 courses in Third Stream	2 courses in First Stream 2 courses in Second Stream 2 courses in Third Stream
9 credits in Science <ul style="list-style-type: none"> <li>• 3 credits in Math, Statistics, or Computing Science</li> <li>• 3 credits in Laboratory Science</li> <li>• 3 other credits in Science</li> </ul>	1 MATH, STAT, or COMP 2 Science GLER	3 Science GLER
9 credits in first- or second-year courses	1 Science GLER 2 Electives	1 Science GLER 2 Electives

**Geography (B.A.)**

Geography involves the study of human activities and natural systems with a focus on spatial relationships and the nature of places. The discipline stresses integration and synthesis, so students graduating with a major in Geography possess a firm understanding of environmental stewardship in the context of complex interrelationships between nature and humankind. Geography students also learn many practical skills and techniques essential to a diverse range of employment opportunities.

After completing a set of core foundational courses, students will select additional upper-level courses which focus on human-related systems and phenomena. Students with an interest in geographical techniques such as cartography, geographical information systems (GIS), or remote sensing can pursue those interests either by choosing such courses as options or by completing a specified set of courses to satisfy the Concentration in Geographical Information Science.

Please refer to the program website ([www.uleth.ca/artsci/geography](http://www.uleth.ca/artsci/geography)) for more information.

Associate of Arts Degree Requirements	Registration Advice	U of L Course Equivalents
6 credits in first-year English	2 transferable ENGL	2 ENGL or WRIT
18 credits in first-year Arts other than English (max. 6 credits in one subject) <ul style="list-style-type: none"> <li>• 6 credits in Social Sciences</li> <li>• 6 credits in Humanities/Fine Arts</li> <li>• 6 credits in Arts</li> </ul>	ANTH 102 1 Social Science GLER 2 FA/Humanities GLER 2 Arts electives	ARKY 1000 1 Social Science GLER 2 FA/Humanities GLER 2 Electives
18 credits of second-year Arts (in two or more subjects)	6 Arts electives	6 Electives
9 credits in Science <ul style="list-style-type: none"> <li>• 3 credits in Math, Statistics, or Computing Science</li> <li>• 3 credits in Laboratory Science</li> <li>• 3 other credits in Science</li> </ul>	COMP 105, 151, or 153 GEOG 101 GEOG 102	CPSC 1620 or 1000 GEOG 1000 GEOG 2030
9 credits in first- or second-year courses	GEOG 211 (prereq.) GEOG 212 1 Elective	GEOG 2xxx GEOG 3740 1 Elective

### Geography (B.Sc.)

Geography involves the study of human activities and natural systems with a focus on spatial relationships and the nature of places. The discipline stresses integration and synthesis, so students graduating with a major in Geography possess a firm understanding of environmental stewardship in the context of complex interrelationships between nature and humankind. Geography students also learn many practical skills and techniques essential to a diverse range of employment opportunities.

After completing a set of core foundational courses, students will select additional upper-level courses dealing with physical dimensions of natural systems. Students with an interest in geographical techniques such as cartography, geographical information systems (GIS), or remote sensing can pursue those interests either by choosing such courses as options or by completing a specified set of courses to satisfy the Concentration in Geographical Information Science.

Please refer to the program website ([www.uleth.ca/artsci/geography](http://www.uleth.ca/artsci/geography)) for more information.

Associate of Science Degree Requirements	Registration Advice	U of L Course Equivalents
6 credits in first-year English	2 transferable ENGL	2 ENGL or WRIT
6 credits in Math (including 3 credits in Calculus)	MATH 103 or 221 1 MATH elective	MATH 1560 or 1410 1 Elective
18 credits of first-year Science (max. 6 credits in one subject)	BIOL 101/102 GEOG 101 GEOG 102 CHEM 101 or PHYS 103 GEOL 105	BIOL 1010/1020 GEOG 1000 GEOG 2030 CHEM 1000 or PHYS 1000 GEOL 2060
18 credits of second-year Science (in two or more subjects)	GEOG 211 (prereq.) GEOG 212 4 Science electives	GEOG 2xxx GEOG 3740 4 Electives
6 credits in Arts (non- ENGL)	ANTH 102 1 Social Science GLER	ARKY 1000 1 Social Science GLER
6 credits in first- or second-year courses	2 FA/Humanities GLER	2 FA/Humanities GLER

### History (B.A.)

History is a discipline that examines evidence to reconstruct and understand the past. It is our collective memory and our possible future. Encompassing a wide range of human events and historical conditions, History necessarily complements other disciplines in the University. The program offers instruction in aspects of the social, economic, political and cultural histories of societies ranging from ancient Greece to modern-day Japan. Students pursuing a major in History will develop strong skills in critical reading, writing and analysis.

Please refer to the program website ([www.uleth.ca/artsci/history](http://www.uleth.ca/artsci/history)) for more information.

Associate of Arts Degree Requirements	Registration Advice	U of L Course Equivalents
6 credits in first-year English	2 transferable ENGL	2 ENGL or WRIT
18 credits in first-year Arts other than English (max. 6 credits in one subject) <ul style="list-style-type: none"> <li>• 6 credits in Social Sciences</li> <li>• 6 credits in Humanities/Fine Arts</li> <li>• 6 credits in Arts</li> </ul>	4 Social Science GLER 2 Arts electives	4 Social Science GLER 2 Electives
18 credits of second-year Arts (in two or more subjects)	HIST 201 HIST 202 HIST 221 or 222 3 Arts electives	HIST 2710 HIST 2720 HIST 2600 3 Electives
9 credits in Science <ul style="list-style-type: none"> <li>• 3 credits in Math, Statistics, or Computing Science</li> <li>• 3 credits in Laboratory Science</li> <li>• 3 other credits in Science</li> </ul>	1 MATH, STAT, or COMP 2 Science GLER	3 Science GLER
9 credits in first- or second-year courses	1 Science GLER 2 Electives	1 Science GLER 2 Electives

**Kinesiology (B.A.)**

Kinesiology is the study of human movement from a multidisciplinary perspective. Students who enrol in the Kinesiology major for the B.A. will take a broad range of theoretical courses in the social science and humanities dimensions of the discipline. Students are also required to complete physical activity courses as part of their program. The Kinesiology major for the B.A. offers students the opportunity to investigate those psychological, social, cultural, economic and political influences that shape and limit opportunities for activity across the lifespan as well as to study the tremendous potential of sport and leisure activities to bring pleasure and meaning to individuals and community.

Please refer to the program website ([www.uleth.ca/artsci/kinesiology](http://www.uleth.ca/artsci/kinesiology)) for more information.

<b>Associate of Arts Degree Requirements</b>	<b>Registration Advice</b>	<b>U of L Course Equivalents</b>
6 credits in first-year English	2 transferable ENGL	2 ENGL or WRIT
18 credits in first-year Arts other than English (max. 6 credits in one subject) <ul style="list-style-type: none"> <li>• 6 credits in Social Sciences</li> <li>• 6 credits in Humanities/Fine Arts</li> <li>• 6 credits in Arts</li> </ul>	2 Social Science GLER 2 FA/Humanities GLER 2 Arts electives	2 Social Science GLER 2 FA/Humanities GLER 2 Electives
18 credits of second-year Arts (in two or more subjects)	6 Arts electives	6 Electives
9 credits in Science <ul style="list-style-type: none"> <li>• 3 credits in Math, Statistics, or Computing Science</li> <li>• 3 credits in Laboratory Science</li> <li>• 3 other credits in Science</li> </ul>	1 MATH, STAT, or COMP KNES 152 KNES 204	1 Science GLER KNES 1000 KNES 2140
9 credits in first- or second-year courses	KNES 207 2 KNES electives	PHAC 3060 2 KNES electives

**Kinesiology (B.Sc.)**

Kinesiology is the study of human movement from a multidisciplinary perspective. Students who enrol in the Kinesiology major for the B.Sc. will take a broad range of theoretical courses in the science dimensions of the discipline. Students are also required to complete physical activity courses as part of their program. The Kinesiology major for the B.Sc. offers students the opportunity to investigate the anatomical, biomechanical, neurological and physiological characteristics that underlie human movement across the spectrum from basic tasks such as reaching and walking to elite sport performance.

Please refer to the program website ([www.uleth.ca/artsci/kinesiology](http://www.uleth.ca/artsci/kinesiology)) for more information.

<b>Associate of Science Degree Requirements</b>	<b>Registration Advice</b>	<b>U of L Course Equivalents</b>
6 credits in first-year English	2 transferable ENGL	2 ENGL or WRIT
6 credits in Math (including 3 credits in Calculus)	2 MATH electives	2 Electives
18 credits of first-year Science (max. 6 credits in one subject)	KNES 103 KNES 152 BIOL 101/102 STAT 106 1 Science elective	KNES 2650 KNES 1000 BIOL 1010/1020 STAT 1770 1 Elective
18 credits of second-year Science (in two or more subjects)	KNES 202 KNES 204 KNES 206 2 Science Electives	KNES 3630 KNES 2140 KNES 3610 2 Electives
6 credits in Arts (non- ENGL)	2 FA/Humanities GLER	2 FA/Humanities GLER
6 credits in first- or second-year courses	KNES 207 1 Social Science GLER	PHAC 3060 1 Social Science GLER

**Mathematics (B.Sc.)**

Mathematics is the study of structure and patterns in numbers and shapes. It is an active research area, providing a language, theories and models to solve complex problems across a wide variety of scientific, industrial and economic sectors. The program offers courses in four main areas: algebra, analysis, number theory and geometry, as well as statistics. Many students opt to combine mathematics with courses in physics, computer science, chemistry, economics, management or other areas of interest.

Please refer to the program website ([www.uleth.ca/artsci/math-computer-science](http://www.uleth.ca/artsci/math-computer-science)) for more information.

<b>Associate of Science Degree Requirements</b>	<b>Registration Advice</b>	<b>U of L Course Equivalents</b>
6 credits in first-year English	2 transferable ENGL	2 ENGL or WRIT
6 credits in Math (including 3 credits in Calculus)	MATH 103 MATH 104	MATH 1560 MATH 2560
18 credits of first-year Science (max. 6 credits in one subject)	STAT 106 COMP 105 COMP 106 3 Science electives	STAT 1770 CPSC 1620 CPSC 2620 3 Electives
18 credits of second-year Science (in two or more subjects)	MATH 203 MATH 205 MATH 220 MATH 221 2 Science electives	MATH 3600 MATH 2580 MATH 2000 MATH 1410 2 Electives
6 credits in Arts (non- ENGL)	2 FA/Humanities GLER	2 FA/Humanities GLER
6 credits in first- or second-year courses	2 Social Science GLER	2 Social Science GLER

**Native American Studies (B.A.)**

The Native American Studies program was developed and formalized by representatives of Southern Alberta's Native communities and the University of Lethbridge. The major in Native American Studies is multidisciplinary and comprehensive in nature and consists of courses in First Nations' history, art, law, politics, language, literature and contemporary issues, all taught from a First Nations' perspective. It aims to foster the study of these various dynamics of North American Native culture and to further a deeper awareness of First Nations' issues.

Please refer to the program website ([www.uleth.ca/artsci/native-american-studies](http://www.uleth.ca/artsci/native-american-studies)) for more information.

<b>Associate of Arts Degree Requirements</b>	<b>Registration Advice</b>	<b>U of L Course Equivalents</b>
6 credits in first-year English	2 transferable ENGL	2 ENGL or WRIT
18 credits in first-year Arts other than English (max. 6 credits in one subject) <ul style="list-style-type: none"> <li>• 6 credits in Social Sciences</li> <li>• 6 credits in Humanities/Fine Arts</li> <li>• 6 credits in Arts</li> </ul>	FNST 101 or 203 1 FA/Humanities GLER 2 Social Science GLER 2 Arts electives	NAS 1000 1 FA/Humanities GLER 2 Social Science GLER 2 Electives
18 credits of second-year Arts (in two or more subjects)	6 Arts electives	6 Electives
9 credits in Science <ul style="list-style-type: none"> <li>• 3 credits in Math, Statistics, or Computing Science</li> <li>• 3 credits in Laboratory Science</li> <li>• 3 other credits in Science</li> </ul>	1 MATH, STAT, or COMP 2 Science GLER	1 Elective 2 Science GLER
9 credits in first- or second-year courses	1 Science GLER 2 Social Science GLER	1 Science GLER 2 Social Science GLER

**Neuroscience (B.Sc.)**

The Neuroscience major explores how nervous systems work and requires courses from a range of Departments. These courses investigate the processes by which information is transmitted within cells and between cells, and how particular neural systems produce perceptions, learning, memory and behaviour. Brain and behavioural change during evolution, individual development and pathology are all used to gain insight into how the nervous system functions.

Please refer to the program website ([www.uleth.ca/artsci/neuroscience](http://www.uleth.ca/artsci/neuroscience)) for more information.

<b>Associate of Science Degree Requirements</b>	<b>Registration Advice</b>	<b>U of L Course Equivalents</b>
6 credits in first-year English	2 transferable ENGL	2 ENGL or WRIT
6 credits in Math (including 3 credits in Calculus)	MATH 103 or 221 1 MATH elective	MATH 1560 or 1410 1 Elective
18 credits of first-year Science (max. 6 credits in one subject)	BIOL 101/102 CHEM 101 CHEM 102 PHYS 103 1 Science elective	BIOL 1010/1020 CHEM 1000 CHEM 2000 PHYS 1000 1 Elective
18 credits of second-year Science (in two or more subjects)	BIOL 202 BIOL 203 CHEM 201 CHEM 202 2 Science electives	BCHM 2000 BIOL 2000 CHEM 2500 CHEM 2600 2 Electives
6 credits in Arts (non- ENGL)	1 FA/Humanities GLER 1 Social Science GLER	1 FA/Humanities GLER 1 Social Science GLER
6 credits in first- or second-year courses	2 Social Science GLER	2 Social Science GLER

**Philosophy (B.A.)**

Philosophy means “love of wisdom.” Philosophers study the deep intellectual problems that underlie or unify other disciplines in the sciences and humanities. Courses in the reality stream inquire into the nature of knowledge, mind and matter, space and time, language and mathematics, religious beliefs, and the basis of science. Courses in the values stream probe the distinction between right and wrong, the nature of beauty, the assumptions behind political theories and current ethical dilemmas. Logic studies the art and science of reasoning. All philosophy and logic courses place strong emphasis on developing the skills of clear writing and sound argumentation, and the ability to see beneath the surface of the apparently obvious.

Please refer to the program website ([www.uleth.ca/artsci/philosophy](http://www.uleth.ca/artsci/philosophy)) for more information.

<b>Associate of Arts Degree Requirements</b>	<b>Registration Advice</b>	<b>U of L Course Equivalents</b>
6 credits in first-year English	2 transferable ENGL	2 ENGL or WRIT
18 credits in first-year Arts other than English (max. 6 credits in one subject) <ul style="list-style-type: none"> <li>• 6 credits in Social Sciences</li> <li>• 6 credits in Humanities/Fine Arts</li> <li>• 6 credits in Arts</li> </ul>	PHIL 101 PHIL 102 4 Social Science GLER	PHIL 1xxx PHIL 1000 4 Social Science GLER
18 credits of second-year Arts (in two or more subjects)	PHIL 203 5 Electives	PHIL 2210 5 Electives
9 credits in Science <ul style="list-style-type: none"> <li>• 3 credits in Math, Statistics, or Computing Science</li> <li>• 3 credits in Laboratory Science</li> <li>• 3 other credits in Science</li> </ul>	1 MATH, STAT, or COMP 2 Science GLER	3 Science GLER
9 credits in first- or second-year courses	2 PHIL electives 1 Elective	2 PHIL electives 1 Elective



### Physics (B.Sc.)

Physics is the study of matter and energy at all scales, from the sub-nuclear to the dimensions of the universe. It is the fundamental science—all other sciences and technologies rely on the principles of physics. Physics involves observing and understanding natural phenomena evident in the world around us: the seasons, the motion of objects, the flight of birds, the night sky and the weather. The curriculum provides a comprehensive Physics major, built on a foundation of courses in the first two years which lead to more advanced and specialized areas in the senior years, preparing students for postgraduate studies, or for careers in academia, industry and the public sector.

Please refer to the program website ([www.uleth.ca/artsci/physics-astronomy](http://www.uleth.ca/artsci/physics-astronomy)) for more information.

Associate of Science Degree Requirements	Registration Advice	U of L Course Equivalents
6 credits in first-year English	2 transferable ENGL	2 ENGL or WRIT
6 credits in Math (including 3 credits in Calculus)	MATH 103 MATH 104	MATH 1560 MATH 2560
18 credits of first-year Science (max. 6 credits in one subject)	CHEM 101 COMP 105 PHYS 103 PHYS 104 2 Science electives	CHEM 1000 CPSC 1620 PHYS 1000 PHYS 2000 2 Electives
18 credits of second-year Science (in two or more subjects)	MATH 221 5 Science electives	MATH 1410 5 Electives
6 credits in Arts (non- ENGL)	1 FA/Humanities GLER 1 Social Science GLER	1 FA/Humanities GLER 1 Social Science GLER
6 credits in first- or second-year courses	2 Social Science GLER	2 Social Science GLER

**Note:** Students interested in completing B.Sc. (Physics) at the University of Lethbridge must transfer after 1 year of studies to complete the degree program within the minimum 4 years. Students who decide to transfer after 2 years of study will require extra time to complete their degree program due to course sequencing.

For appropriate transfer after 1 year, students should complete the following courses at College of the Rockies: MATH 103, 104, PHYS 103, 104 (plus electives/GLER courses).

### Political Science (B.A.)

Political Science is the study of government institutions, political behaviour and political theory. You need no political ambitions to take it. Political Science is both empirical (qualitative and quantitative) and theoretical. Empirically the focus is on Canadian politics (from national to local), comparative politics (of differing regimes in selected regions of the world), and international relations. Theoretically the focus is on the ideas and visions of justice and the good life that political leaders and citizens aspire to and even stake their lives on. Emphasis is placed throughout on critical reading, writing and analytical skills, encompassing the study of a wide array of materials, including legal, philosophical, literary and historical documents, as well as statistical analysis.

Please refer to the program website ([www.uleth.ca/artsci/political-science](http://www.uleth.ca/artsci/political-science)) for more information.

Associate of Arts Degree Requirements	Registration Advice	U of L Course Equivalents
6 credits in first-year English	2 transferable ENGL	2 ENGL or WRIT
18 credits in first-year Arts other than English (max. 6 credits in one subject) <ul style="list-style-type: none"> <li>• 6 credits in Social Sciences</li> <li>• 6 credits in Humanities/Fine Arts</li> <li>• 6 credits in Arts</li> </ul>	POLI 100 1 Social Science elective 2 FA/Humanities GLER 2 Arts Electives	POLI 1000 2 FA/Humanities GLER 3 Electives
18 credits of second-year Arts (in two or more subjects)	POLI 203 5 Electives	POLI 2210 5 Electives
9 credits in Science <ul style="list-style-type: none"> <li>• 3 credits in Math, Statistics, or Computing Science</li> <li>• 3 credits in Laboratory Science</li> <li>• 3 other credits in Science</li> </ul>	1 MATH, STAT, or COMP 2 Science GLER	3 Science GLER
9 credits in first- or second-year courses	1 Science GLER 2 Electives	1 Science GLER 2 Electives

**Psychology (B.A. or B.Sc.)**

Psychology seeks to understand the causes of behaviour in humans and other animals. Such behaviour can range from the automatic, unconscious, and reflexive sucking and grasping behaviours of infants through largely unconscious behaviours such as finding food and choosing a mate, to sophisticated, conscious behaviours such as medical decision making. Students will investigate the nature of human and animal thought processes as well as the evolutionary, social and cultural factors that frame the development of human capacities. We consider the best preparation, at the undergraduate level, for graduate study in all areas of psychology, whether research or applied, to be a strong and broad background in experimental psychology.

Please refer to the program website ([www.uleth.ca/artsci/psychology](http://www.uleth.ca/artsci/psychology)) for more information.

Associate of Arts Degree Requirements	Registration Advice	U of L Course Equivalents
6 credits in first-year English	2 transferable ENGL	2 ENGL or WRIT
18 credits in first-year Arts other than English (max. 6 credits in one subject) <ul style="list-style-type: none"> <li>6 credits in Social Sciences</li> <li>6 credits in Humanities/Fine Arts</li> <li>6 credits in Arts</li> </ul>	PSYC 101/102 2 FA/Humanities GLER 2 Arts Electives	PSYC 1000/1xxx 2 FA/Humanities GLER 2 Electives
18 credits of second-year Arts (in two or more subjects)	3 PSYC electives 3 Electives	3 PSYC electives 3 Electives
9 credits in Science <ul style="list-style-type: none"> <li>3 credits in Math, Statistics, or Computing Science</li> <li>3 credits in Laboratory Science</li> <li>3 other credits in Science</li> </ul>	1 MATH, STAT, or COMP 2 Science GLER	3 Science GLER
9 credits in first- or second-year courses	1 Science GLER 2 Electives	1 Science GLER 2 Electives

**Remote Sensing (B.Sc.)**

Remote Sensing involves the acquisition and analysis of photographs and images from airplanes, satellites and other platforms for obtaining important information about the Earth's land, oceans and atmosphere, as well as other planets and bodies. The Remote Sensing major provides applied training in laboratory and field settings coupled with a solid theoretical and experimental foundation. This is the only remote sensing program of its kind in Canada, therefore graduates have unique qualifications for direct employment in private industry, government, and universities, as well as for entry to advanced graduate-level studies.

Please refer to the program website ([www.uleth.ca/artsci/remote-sensing](http://www.uleth.ca/artsci/remote-sensing)) for more information.

Associate of Science Degree Requirements	Registration Advice	U of L Course Equivalents
6 credits in first-year English	2 transferable ENGL	2 ENGL or WRIT
6 credits in Math (including 3 credits in Calculus)	MATH 103 MATH 104	MATH 1560 MATH 2560
18 credits of first-year Science (max. 6 credits in one subject)	COMP 105 GEOG 101 GEOG 102 PHYS 103 PHYS 104 1 Science elective	CPSC 1620 GEOG 1000 GEOG 2030 PHYS 1000 PHYS 2000 1 Elective
18 credits of second-year Science (in two or more subjects)	MATH 221 5 Science electives	MATH 1410 5 Electives
6 credits in Arts (non- ENGL)	1 FA/Humanities GLER 1 Social Science GLER	1 FA/Humanities GLER 1 Social Science GLER
6 credits in first- or second-year courses	2 Social Science GLER	2 Social Science GLER

**Note:** Students interested in completing B.Sc. (Remote Sensing) at the University of Lethbridge must transfer after 1 year of studies to complete the degree program within the minimum 4 years. Students who decide to transfer after 2 years of study will require extra time to complete their degree program due to course sequencing.

For appropriate transfer after 1 year, students should complete the following courses at College of the Rockies: MATH 103, 104, PHYS 103, 104, GEOG 101, 102 (plus electives/GLER courses).

**Sociology (B.A.)**

Sociology provides the conceptual and methodological tools with which to understand society. Its primary goal is to stimulate sociological thinking, which involves the application of imagination and critical analysis to the many facets of social life. Ideally, this encourages not only the development of analytical insight, but also the application of Sociology to social problems and issues.

The program provides instruction for both the liberal arts student and the student planning advanced studies or a career related to Sociology. A wide range of courses is offered in sociological theory, methods and topics reflecting a variety of contemporary social issues.

Please refer to the program website ([www.uleth.ca/artsci/sociology](http://www.uleth.ca/artsci/sociology)) for more information.

Associate of Arts Degree Requirements	Registration Advice	U of L Course Equivalents
6 credits in first-year English	2 transferable ENGL	2 ENGL or WRIT
18 credits in first-year Arts other than English (max. 6 credits in one subject) <ul style="list-style-type: none"> <li>• 6 credits in Social Sciences</li> <li>• 6 credits in Humanities/Fine Arts</li> <li>• 6 credits in Arts</li> </ul>	SOCI 101/102 2 FA/Humanities GLER 2 Arts Electives	SOCI 1000/1xxx 2 FA/Humanities GLER 2 Electives
18 credits of second-year Arts (in two or more subjects)	6 Electives	6 Electives
9 credits in Science <ul style="list-style-type: none"> <li>• 3 credits in Math, Statistics, or Computing Science</li> <li>• 3 credits in Laboratory Science</li> <li>• 3 other credits in Science</li> </ul>	1 MATH, STAT, or COMP 2 Science GLER	3 Science GLER
9 credits in first- or second-year courses	1 Science GLER 2 Electives	1 Science GLER 2 Electives

**Note:** Students interested in completing B.A. (Sociology) at the University of Lethbridge must transfer after 1 year of studies to complete the degree program within the minimum 4 years. Students who decide to transfer after 2 years of study will require extra time to complete their degree program due to course sequencing.

For appropriate transfer after 1 year, students should complete the following courses at College of the Rockies: SOCI 101, 102 (plus electives/GLER courses).

**Urban and Regional Studies (B.A.)**

The major in Urban and Regional Studies includes courses in disciplines that have traditionally focused on cities, such as Anthropology, Economics, Geography, Political Science, Sociology and Statistics. It provides a broad range of conceptual and practical tools for students to understand and play a role in the planning, administration, and governance of human settlements from towns to metropolitan regions. Courses delve into the physical, social, spatial, economic, political and planning factors that shape urban areas. Topics such as architecture and the city, urban and regional planning, urban systems, globalization, and issues such as immigration, aging, homelessness and environmental sustainability may be included.

Please refer to the program website ([www.uleth.ca/artsci/urban-regional-studies](http://www.uleth.ca/artsci/urban-regional-studies)) for more information.

Associate of Arts Degree Requirements	Registration Advice	U of L Course Equivalents
6 credits in first-year English	2 transferable ENGL	2 ENGL or WRIT
18 credits in first-year Arts other than English (max. 6 credits in one subject) <ul style="list-style-type: none"> <li>• 6 credits in Social Sciences</li> <li>• 6 credits in Humanities/Fine Arts</li> <li>• 6 credits in Arts</li> </ul>	Three of: ANTH 101 ECON 101 ECON 102 POLI 100 2 FA/Humanities GLER 1 Elective	Three of: ANTH 1000 ECON 1010 ECON 1012 POLI 1000 2 FA/Humanities GLER 1 Elective
18 credits of second-year Arts (in two or more subjects)	POLI 203 5 Electives	POLI 2210 5 Electives
9 credits in Science <ul style="list-style-type: none"> <li>• 3 credits in Math, Statistics, or Computing Science</li> <li>• 3 credits in Laboratory Science</li> <li>• 3 other credits in Science</li> </ul>	1 MATH, STAT, or COMP 2 Science GLER	3 Science GLER
9 credits in first- or second-year courses	1 Science GLER 2 Electives	1 Science GLER 2 Electives

## Program Planning (B.A./B.Ed., B.Sc./B.Ed.)

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### Faculty of Education

#### Pre-Bachelor of Arts/Bachelor of Education

#### Pre-Bachelor of Science/Bachelor of Education

Students beginning their studies at College of the Rockies may transfer a maximum of 15 Arts and Science courses to the University of Lethbridge, including up to half the major requirements. Students completing an Associate Degree or Arts and Science Diploma may not transfer the entire 20 courses required for their programs. As a result, for the students interested in completing the Bachelor of Arts/Bachelor of Education (B.A./B.Ed.) or the Bachelor of Science/Bachelor of Education (B.Sc./B.Ed.), the sample sequences are simply a list of courses and are not linked into the requirements for the Associate Degrees. Please consult with an advisor at College of the Rockies to determine requirements for the Associate Degree or Arts and Science Diploma.

Students interested in this transfer route will apply to the University of Lethbridge for the Pre-B.A./B.Ed. or Pre-B.Sc./B.Ed. program, and will need to complete the remaining admission requirements to the Faculty of Education (including EDUC 2500) when they arrive on the University of Lethbridge campus.

### Sample Sequencing Plan

A Sequencing Plan provides a sample sequence of courses for your degree. This is just one example of how you could complete courses which transfer to the University of Lethbridge. If you wish to follow a different sequence, please contact Academic Advising Services at COTR before registration.

### GLER Course

A course that could count toward the General Liberal Education Requirement. You may use courses in your major towards this 12-course requirement. See the 2016/2017 University of Lethbridge Undergraduate Calendar and Course Catalogue, Part 4 - Academic Regulations for complete information.

### Elective

A course that you may choose freely from all those available and applicable to your program. You may use courses inside or outside your major, but be aware of the residence requirement for the major.

**Anthropology / Social Studies Education (B.A. / B.Ed.)**

<b>Recommended Courses</b>	<b>U of L Course Equivalents</b>
ANTH 101 1 ANTH Elective HIST 201 HIST 202 POLI 203 One of: ECON 101 ECON 102 FNST 101 or 203 1 FA/Humanities GLER 4 Science GLER 4 Electives	ANTH 1000 1 ANTH Elective HIST 2710 HIST 2720 POLI 2210 One of: ECON 1010 ECON 1012 NAS 1000 1 FA/Humanities GLER 4 Science GLER 4 Electives

**Art / Art Education (B.A. / B.Ed.)**

<b>Recommended Courses</b>	<b>U of L Course Equivalents</b>
FA 106 FA 107 FA 218 4 Social Science GLER 4 Science GLER 4 Electives	ART 2031 ART 2032 ART 3022 4 Social Science GLER 4 Science GLER 4 Electives

**Biology / Science Education (B.Sc. / B.Ed.)**

<b>Recommended Courses</b>	<b>U of L Course Equivalents</b>
BIOL 101/102 BIOL 203 BIOL 204 CHEM 101 CHEM 102 CHEM 201 MATH 103 or 221 3 FA/Humanities GLER 4 Social Science GLER	BIOL 1010/1020 BIOL 2000 BIOL 2200 CHEM 1000 CHEM 2000 CHEM 2500 MATH 1560 or 1410 3 FA/Humanities GLER 4 Social Science GLER

**Canadian Studies / Social Studies Education (B.A. / B.Ed.)**

<b>Recommended Courses</b>	<b>U of L Course Equivalents</b>
ENGL 101 or 102	ENGL 1900
FREN 101	FREN 1000
FREN 102	FREN 1100
FNST 101 or 203	NAS 1000
HIST 201	HIST 2710
HIST 202	HIST 2720
POLI 203	POLI 2210
ECON 101 or 102	ECON 1010 or 1012
1 Social Science GLER	1 Social Science GLER
4 Science GLER	4 Science GLER
2 Electives	2 Electives

**Chemistry / Science Education (B.Sc. / B.Ed.)**

<b>Recommended Courses</b>	<b>U of L Course Equivalents</b>
CHEM 101	CHEM 1000
CHEM 102	CHEM 2000
CHEM 201	CHEM 2500
CHEM 202	CHEM 2600
MATH 103	MATH 1560
MATH 104	MATH 2560
PHYS 103	PHYS 1000
4 FA/Humanities GLER	4 FA/Humanities GLER
4 Social Science GLER	4 Social Science GLER

**Economics / Social Studies Education (B.A. / B.Ed.)**

<b>Recommended Courses</b>	<b>U of L Course Equivalents</b>
ECON 101	ECON 1010
ECON 102	ECON 1012
HIST 201	HIST 2710
HIST 202	HIST 2720
POLI 203	POLI 2210
STAT 106	STAT 1770
2 ECON Electives	2 ECON Electives
1 FA/Humanities GLER	1 FA/Humanities GLER
2 Science GLER	2 Science GLER
4 Electives	4 Electives

**English / Language Arts Education (B.A. / B.Ed.)**

<b>Recommended Courses</b>	<b>U of L Course Equivalents</b>
ENGL 101/102 3 ENGL Electives 4 Social Science GLER 4 Science GLER 2 Electives	ENGL 1900/2xxx 3 ENGL Electives 4 Social Science GLER 4 Science GLER 2 Electives

**French / Modern Languages Education: French (B.A. / B.Ed.)**

<b>Recommended Courses</b>	<b>U of L Course Equivalents</b>
FREN 101 FREN 102 4 Social Science GLER 4 Science GLER 5 Electives	FREN 1000 FREN 1100 4 Social Science GLER 4 Science GLER 5 Electives

**French/Spanish / Modern Languages Education: French/Spanish (B.A. / B.Ed.)**

<b>Recommended Courses</b>	<b>U of L Course Equivalents</b>
FREN 101 FREN 102 SPAN 101 SPAN 102 SPAN 201 SPAN 202 4 Social Science GLER 4 Science GLER 1 Elective	FREN 1000 FREN 1100 SPAN 1000 SPAN 1100 SPAN 1500 SPAN 2000 4 Social Science GLER 4 Science GLER 1 Elective

**Geography / Science Education (B.Sc. / B.Ed.)**

<b>Recommended Courses</b>	<b>U of L Course Equivalents</b>
BIOL 101/102 CHEM 101 GEOG 101 GEOG 102 GEOL 105 MATH 103 PHYS 103 3 FA/Humanities GLER 4 Social Science GLER	BIOL 1010/1020 CHEM 1000 GEOG 1000 GEOG 2030 GEOL 2060 MATH 1560 PHYS 1000 3 FA/Humanities GLER 4 Social Science GLER

**Geography / Social Studies Education (B.A. / B.Ed.)**

<b>Recommended Courses</b>	<b>U of L Course Equivalents</b>
GEOG 101 HIST 201 HIST 202 FNST 101 or 203 POLI 203 ECON 101 or 102 1 Science GLER 8 Electives	GEOG 1000 HIST 2710 HIST 2720 NAS 1000 POLI 2210 ECON 1010 or 1012 1 Science GLER 8 Electives

**History / Social Studies Education (B.A. / B.Ed.)**

<b>Recommended Courses</b>	<b>U of L Course Equivalents</b>
HIST 201 HIST 202 HIST 221 or 222 FNST 101 or 203 POLI 203 ECON 101 or 102 1 Social Science GLER 4 Science GLER 4 Electives	HIST 2710 HIST 2720 HIST 2600 NAS 1000 POLI 2210 ECON 1010 or 1012 1 Social Science GLER 4 Science GLER 4 Electives

**Kinesiology / Physical Education (B.A. / B.Ed.)**

<b>Recommended Courses</b>	<b>U of L Course Equivalents</b>
KNES 152 KNES 204 KNES 207 2 Social Science GLER 3 FA/Humanities GLER 3 Science GLER 4 Electives	KNES 1000 KNES 2140 PHAC 3060 2 Social Science GLER 3 FA/Humanities GLER 3 Science GLER 4 Electives

**Kinesiology / Physical Education (B.Sc. / B.Ed.)**

<b>Recommended Courses</b>	<b>U of L Course Equivalents</b>
KNES 152 KNES 103 KNES 202 KNES 206 KNES 207 4 FA/Humanities GLER 2 Social Science GLER 4 Electives	KNES 1000 KNES 2650 KNES 3630 KNES 3610 PHAC 3060 4 FA/Humanities GLER 2 Social Science GLER 4 Electives



**Mathematics / Mathematics Education (B.Sc. / B.Ed.)**

<b>Recommended Courses</b>	<b>U of L Course Equivalents</b>
COMP 105 MATH 103 MATH 104 MATH 220 MATH 221 STAT 106 4 FA/Humanities GLER 4 Social Science GLER 1 Elective	CPSC 1620 MATH 1560 MATH 2560 MATH 2000 MATH 1410 STAT 1770 4 FA/Humanities GLER 4 Social Science GLER 1 Elective

**Physics / Science Education (B.Sc. / B.Ed.)**

<b>Recommended Courses</b>	<b>U of L Course Equivalents</b>
CHEM 101 MATH 103 MATH 104 MATH 221 PHYS 103 PHYS 104 4 FA/Humanities GLER 4 Social Science GLER 1 Elective	CHEM 1000 MATH 1560 MATH 2560 MATH 1410 PHYS 1000 PHYS 2000 4 FA/Humanities GLER 4 Social Science GLER 1 Elective

**Political Science / Social Studies Education (B.A. / B.Ed.)**

<b>Recommended Courses</b>	<b>U of L Course Equivalents</b>
POLI 100 POLI 203 HIST 201 HIST 202 FNST 101 or 203 ECON 101 or 102 4 Science GLER 5 Electives	POLI 1000 POLI 2210 HIST 2710 HIST 2720 NAS 1000 ECON 1010 or 1012 4 Science GLER 5 Electives

**Sociology / Social Studies Education (B.A. / B.Ed.)**

<b>Recommended Courses</b>	<b>U of L Course Equivalents</b>
SOCI 101/102 POLI 203 HIST 201 HIST 202 One of: ECON 101 ECON 102 FNST 101 or 203 4 Science GLER 5 Electives	SOCI 1000/1xxx POLI 2210 HIST 2710 HIST 2720 One of: ECON 1010 ECON 1012 NAS 1000 4 Science GLER 5 Electives

**General Major in the Humanities / English Language Arts Education (B.A. / B.Ed.)**

Students must select three disciplinary streams. English must be the First Stream. The Second and Third Stream must be chosen from the following list:

- One of Art (including courses in Art History/Museum Studies), Dramatic Arts or Music
- One of French, Japanese, or Spanish
- Classical Languages
  - Greek (all courses)
  - Hebrew (all courses)
  - Latin (all courses)
- History (all courses)
- Linguistics (all courses)
- Native American Studies (all courses; includes courses in Blackfoot and Cree)
- Philosophy (all courses designated Humanities)
- Religious Studies (all courses)

Students are strongly encouraged to choose Humanities disciplines which are school subject areas or are taught in the provincial curriculum.

Recommended Courses	U of L Course Equivalents
ENGL 101/102	ENGL 1900/2xxx
3 ENGL Electives	3 ENGL Electives
2 Second Stream courses	2 Second Stream courses
2 Third Stream courses	2 Third Stream courses
3 Science GLER	3 Science GLER
3 Social Science GLER	3 Social Science GLER

**General Major in the Sciences / Mathematics Education (B.Sc. / B.Ed.)**

Students must select three disciplinary streams. Mathematics (including courses in Statistics) must be the First Stream. The Second and Third Stream must be chosen from the following list:

- Archaeology (all courses designated Science)
- Biological Sciences (all Biology courses)
- Chemistry (all courses; includes courses in Biochemistry)
- Computer Science (all courses)
- Geography (all courses designated Science; includes courses in Geology)
- Kinesiology (all courses designated Science; Physical Activity courses may not be included)
- Neuroscience (all courses)
- Physics (all courses; includes courses in Astronomy and Engineering)
- Psychology (all courses designated Science)

Students are strongly encouraged to choose Science disciplines which are school subject areas or are taught in the provincial curriculum.

Recommended Courses	U of L Course Equivalents
MATH 103	MATH 1560
MATH 104	MATH 2560
MATH 221	MATH 1410
2 MATH/STAT courses	2 MATH/STAT courses
2 Second Stream courses	2 Second Stream courses
2 Third Stream courses	2 Third Stream courses
3 FA/Humanities GLER	3 FA/Humanities GLER
3 Social Science GLER	3 Social Science GLER

**General Major in the Sciences / Science Education (B.Sc. / B.Ed.)**

Students must select three disciplinary streams. The First Stream must be one of Biology, Chemistry, Physical Geography or Physics. The Second Stream must be in one other area of Biology, Chemistry, Physical Geography or Physics.

The Third Stream must be chosen from the following list:

- Archaeology (all courses designated Science)
- Biological Sciences (all Biology courses)
- Chemistry (all courses; includes courses in Biochemistry)
- Computer Science (all courses)
- Geography (all courses designated Science; includes courses in Geology)
- Kinesiology (all courses designated Science; Physical Activity courses may not be included)
- Mathematics (all courses; includes courses in Statistics)
- Neuroscience (all courses)
- Physics (all courses; includes courses in Astronomy and Engineering)
- Psychology (all courses designated Science)

Students are strongly encouraged to choose Science disciplines which are school subject areas or are taught in the provincial curriculum.

Recommended Courses	U of L Course Equivalents
4 First Stream courses	4 First Stream courses
3 Second Stream courses	3 Second Stream courses
2 Third Stream courses	2 Third Stream courses
3 FA/Humanities GLER	3 FA/Humanities GLER
3 Social Science GLER	3 Social Science GLER

**General Major in the Social Sciences / Physical Education (B.A. / B.Ed.)**

Students must select three disciplinary streams. The First Stream must be Kinesiology including the following courses:

- Kinesiology 1000 - Wellness and Physical Activity
- Kinesiology 2140 - Psychological Perspectives
- Kinesiology 2150 - Sociological Perspectives

One of:

- Kinesiology 2160 - Management Perspectives
- Kinesiology 3300 - Leadership Skills Development

The Second and Third Stream must be chosen from the following list:

- Anthropology
- Archaeology (all courses designated Social Science)
- Economics (all courses designated Social Science)
- Geography (all courses designated Social Science; Geology courses may not be included)
- History
- Native American Studies (Blackfoot and Cree courses may not be included)
- Political Science (all courses designated Social Science)
- Psychology (all courses designated Social Science)
- Sociology
- Women and Gender Studies

Students are strongly encouraged to choose Social Sciences disciplines which are school subject areas or are taught in the provincial curriculum.

Recommended Courses	U of L Course Equivalents
KNES 152	KNES 1000
KNES 204	KNES 2140
3 KNES Electives (social science only)	3 KNES Electives
2 Second Stream courses	2 Second Stream courses
2 Third Stream courses	2 Third Stream courses
3 FA/Humanities GLER	3 FA/Humanities GLER
3 Science GLER	3 Science GLER



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