

COMBINED DEGREES

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I. GENERAL INFORMATION

Combined Degrees programs at the University of Lethbridge are generally 50 courses (five years) in length and provide students with the opportunity to meet the requirements for two degrees offered by two different Faculties. Note that some Combined Degrees programs require more than 50 courses. Students must be admitted to both Faculties responsible for a particular Combined Degrees program before they may be registered formally in the program. Some programs have enrolment limits and there is no guarantee of admission to Combined Degrees programs. The student is granted neither degree until all program requirements for both degrees are satisfied.

All applicants to Combined Degrees programs must meet the general admission requirements and deadlines outlined in **Part I – Admission**.

If a student is admitted to a Combined Degrees program and subsequently withdraws from the program, the student must make a formal application to the Faculty in which he or she intends to pursue a degree.

The University of Lethbridge offers programs leading to the following Combined Degrees:

- Bachelor of Arts/Bachelor of Education (50 courses)
- Bachelor of Science/Bachelor of Education (50 courses)
- Bachelor of Fine Arts - Art/Bachelor of Education (50 courses)
- Bachelor of Fine Arts - Dramatic Arts/Bachelor of Education (50 courses)
- Bachelor of Fine Arts - New Media/Bachelor of Education (50 courses)
- Bachelor of Music/Bachelor of Education (52 courses)

- Bachelor of Management/Bachelor of Education (50 courses)
- Bachelor of Arts/Bachelor of Management (50 courses)
- Bachelor of Science/Bachelor of Management (50 courses)
- Post-Diploma Bachelor of Fine Arts - Art*/Bachelor of Education (35 courses)
- Post-Diploma Bachelor of Fine Arts - Dramatic Arts*/ Bachelor of Education (35 courses)
- Post-Diploma Bachelor of Music*/Bachelor of Education (35 courses)
- Post-Diploma Bachelor of Management/Bachelor of Education (35 courses)
- Bachelor of Fine Arts - New Media/Bachelor of Management (50 courses)
- Bachelor of Health Sciences/Bachelor of Management (50 courses)

*After a two- or three-year diploma

Note: The Faculty of Education does not offer a B.Ed. degree alone, except after an approved degree. All other students must be admitted to a Combined Degrees program in order to receive a B.Ed.

2. ADVISING

Combined Degrees are made possible by the collaboration of two different Faculties. Students should consult with advisors from both Faculties throughout their program.

3. BACHELOR OF ARTS/BACHELOR OF EDUCATION OR BACHELOR OF SCIENCE/ BACHELOR OF EDUCATION

The Faculties of Arts and Science and Education jointly offer a 50-course (150.0 credit hour) Combined Degrees program leading to the degrees Bachelor of Arts (B.A.) or Bachelor of Science (B.Sc.) and Bachelor of Education (B.Ed.). Upon successful completion of the Combined Degrees program, the student receives the B.A. or B.Sc. degree from the Faculty of Arts and Science and the B.Ed. degree from the Faculty of Education.

a. Admission

Students begin in the Pre-B.A./B.Ed. or Pre-B.Sc./B.Ed. program in the Faculty of Arts and Science where they progress toward completion of Arts and Science degree requirements and prepare to meet the admission requirements for the Faculty of Education. After completion of the minimum admission requirements for the Faculty of Education, students may apply and, if accepted, be formally enrolled in the B.A./B.Ed. or B.Sc./B.Ed. Combined Degrees program.

Students are not officially in the Combined Degrees program until they have been admitted to both the Faculty of Arts and Science and the Faculty of Education.

Applicants should consult **Part I – Admission** for general admission requirements, policies and deadlines.

- I. Faculty of Arts and Science Admission Requirements for the Pre-B.A./B.Ed., Pre-B.Sc./B.Ed., B.A./B.Ed., and B.Sc./B.Ed.

All applicants to the Pre-B.A./B.Ed. or Pre-B.Sc./B.Ed. and B.A./B.Ed. or B.Sc./B.Ed. programs must meet the general admission requirements outlined in **Part I – Admission**.

Effective beginning with Fall 2018 admission

In addition, applicants to the following majors must satisfactorily complete the Alberta high school courses indicated, or equivalents:

Major	Additional High School Admission Requirement(s)
Mathematics/ Mathematics Education	Mathematics 30-1 (Mathematics 31 recommended)
General Major in the Sciences/ Mathematics Education	Mathematics 30-1 (Mathematics 31 recommended)
Kinesiology (B.Sc.)/ Physical Education	Biology 30
Biological Sciences/ Science Education	Biology 30 Chemistry 30 Mathematics 30-1
Chemistry/ Science Education	Chemistry 30 Mathematics 30-1
Geography/ Science Education	Chemistry 30 Mathematics 30-1
Physics/ Science Education	Mathematics 30-1
Economics/ Social Studies Education	Mathematics 30-1 or Mathematics 30-2

2. Faculty of Education Admission Requirements for the B.A./B.Ed. and B.Sc./B.Ed.

Based on the Faculty's quota system, normally a total of 216 students will be admitted to Bachelor of Education programs (Combined Degrees and After Degree) each year. Admission for this undergraduate teacher preparation program is available in the fall term only.

Because admission to the Faculty is competitive within each teaching major, the completion of minimum admission requirements does not guarantee admission to the program. Successful applicants are selected each year from a pool that includes both Combined Degrees and After Degree applicants.

Applicants are encouraged to consult early with Student Program Services in the Faculty of Education regarding admission requirements and program planning.

Applicants must meet the following minimum requirements for admission to the Faculty of Education:

- a. Successful completion of a minimum of 20 University of Lethbridge or transferable courses (60.0 credit hours), including the following:
 1. Education 2500 - Practicum I - Orientation to Teaching (or equivalent) including a favourable recommendation from the instructor (see **Part 8 - Education, Education 2500 Prerequisite, p. 157**)
 2. The appropriate minimum number of courses in the B.A. or B.Sc. major, as follows:
 - a. At least eight term courses (24.0 credit hours) in a single discipline major; or
 - b. At least 11 courses (33.0 credit hours) in a 16-course general major or multidisciplinary major, including at least five courses (15.0 credit hours) in the main teaching subject area.

Note: Students should consult with an academic advisor in the Faculty of Arts and Science for assistance planning the sequencing of their remaining B.A. or B.Sc. degree requirements after admission to the Faculty of Education.
- b. A minimum admission GPA of 2.50 (on the University of Lethbridge 4.00 scale), calculated on all University of Lethbridge and transferable courses taken within the terms containing the last 20 courses (60.0 credit hours). All courses must be graded with the exception of Education 2500.
- c. A minimum major GPA of 2.50 (on the University of Lethbridge 4.00 scale), calculated on all graded courses comprising the B.A. or B.Sc. major.
- d. Completion of additional admission requirements for the Native Education Major:
 - Completion of five of the seven courses required in the school subject minor. A minimum cumulative GPA of 2.50 (on the University of Lethbridge 4.00 scale) is required on all graded courses comprising the minor.

- e. **Special Case Admission**
Applicants who have a satisfactory academic record but who, for some reason, had a period of time when their performance was significantly lower may apply for Special Case admission (up to four such applicants may be admitted each year). See **Part 8 - Education, Special Case Admission, (p. 154)** for details.
- f. **Admission Procedures Available to Students of Aboriginal Descent**
The Faculty of Education provides two alternative admission opportunities for applicants of Aboriginal descent. See **Part 8 - Education, Admission Procedures Available to Students of Aboriginal Descent (p. 154)** for details.
- g. **Returning after Withdrawal or Required Withdrawal from the Faculty of Education**
Students who withdrew or who were required to withdraw from the Faculty of Education should refer to **Part 8 - Education, Readmission after Withdrawal (p. 154)**.
3. **Choice of majors**
Applicants must choose majors for B.A./B.Ed. and B.Sc./B.Ed Combined Degrees programs from the list of **Eligible Major Combinations (p. 235)**.
- b. Faculty of Arts and Science Degree Requirements for the 50-Course B.A./B.Ed. or B.Sc./B.Ed.**
1. **General Requirements for the B.A. or B.Sc.**
- a. 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 GPA of at least 2.00.
- b. Completion of the Liberal Education List Requirement (see **Part 4 - Academic Regulations, Liberal Education List Requirement, p. 79**).
- c. 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) and courses numbered in the range of 0520 to 0530.
- d. 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).
- e. Not more than three Independent Study courses (9.0 credit hours) may be completed for credit toward the degree.
- f. 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.
- g. Not more than 17 courses (51.0 credit hours) may be completed from any one discipline (see **Part 7 - Arts and Science, Arts and Science Disciplines, p. 98**).
- Note:** *Disciplines are identified by a specific course label (e.g. KNES, ASTR, and HIST are separate disciplines).*
- h. 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).
- i. **Residence requirement: 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.**
(See **Part 4 - Academic Regulations, Exceeding Course Limits, p. 66**)
- c. Faculty of Education Degree Requirements for the 50-Course B.A./B.Ed. or B.Sc./B.Ed.**
1. **General Requirements for the B.Ed.**
- a. Application and admission to the Faculty of Education.
- b. 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.
***The Education Foundation Requirement may be met in the following ways:*
1. *One course from the following list:*
Education 4310 - Comparative Studies of Education in Developed and Third World Nations
Education 4311 - World Issues and Problems in Education
Education 4320 - Education and Society from a Sociological Perspective
Education 4321 - Social Issues in Education
Education 4341 - Foundations of Multicultural Education in Canada
Education 4360 - Studies in the History of Western Education
Education 4361 - History of Canadian Education
Education 4362 - Concepts of Childhood in the History of Education
Education 4380 - Developing a Philosophy of Education
Education 4381 - Ethics of Teaching
Education 4391 - Seminar in Educational Foundations (Series)
2. *One appropriate Independent Study.*
- c. Maintenance of a program GPA of 2.50 in Education courses.
- d. Completion of the appropriate Education major as defined by the program.
- e. Maintenance of a program GPA of 2.50 in the appropriate Education major.
- f. Completion of the Liberal Education List Requirement (see **Part 4 - Academic Regulations, Liberal Education List Requirement, p. 79**).
- g. Residence requirement: see **page 254** for details.

d. Major Requirements for the 50-Course B.A./B.Ed. or B.Sc./B.Ed.

1. Arts and Science Majors

For the B.A., a major program must be chosen and completed from among the following majors: Anthropology, Art, Canadian Studies, Dramatic Arts, Economics, English, French, *French/German, French/Spanish, Geography, *German, History, Kinesiology, Music, Native American Studies, Political Science, Sociology, a General Major in the Humanities, or a General Major in the Social Sciences.

For the B.Sc., a major program must be chosen and completed from among the following majors: Biological Sciences, Chemistry, Geography, Kinesiology, Mathematics, Physics, or a General Major in the Sciences.

**Majors in French/German and German have been suspended (see p. 240)*

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

2. Education Majors

There are a total of 11 Education majors, with 10 Education majors in the B.A./B.Ed. or B.Sc./B.Ed. degree program: Art Education, Drama Education, English Language Arts Education, Mathematics Education, Modern Languages Education (French, *German, *French/German or French/Spanish), Music Education, Native Education, Physical Education, Science Education and Social Studies Education. One additional Education major, Career and Technology Studies (CTS): Business Focus, is available for the B.Mgt./B.Ed. Combined Degrees program.

**Majors in French/German/ Modern Languages Education: French/German and German/ Modern Languages Education: German have been suspended (see p. 241)*

For most majors, the requirements for Education and Arts and Science disciplinary majors are identical; however, some Education majors do require specific and/or additional courses. In other cases there is a distinct Combined Degrees major. Students must meet the Education major requirements by completing one of the following:

- a disciplinary major;
- a Combined Degrees major;
- the major in Canadian Studies; or,
- a General Major in the Humanities, Social Sciences or Sciences (as specified by the Education major).

3. Eligible Major Combinations for Combined Degrees Programs

Students enrolled in a Combined Degrees program must choose a major for the B.A. or B.Sc. and then select a corresponding major for the B.Ed. Listed below are the eligible major combinations for the Combined Degrees programs:

Arts and Science Major	Education Major
Anthropology	Social Studies Education
Art	Art Education
Biological Sciences	Science Education
Canadian Studies	Social Studies Education
Chemistry	Science Education
Dramatic Arts	Drama Education
Economics	Social Studies Education
English	English Language Arts Education
French	Modern Languages Education: French
French/German	Modern Languages Education: French/German
French/Spanish	Modern Languages Education: French/Spanish
Geography	Science Education
Geography	Social Studies Education
German	Modern Languages Education: German
History	Social Studies Education
Kinesiology (B.A.)	Physical Education
Kinesiology (B.Sc.)	Physical Education
Mathematics	Mathematics Education
Music	Music Education
Native American Studies	Native Education
Physics	Science Education
Political Science	Social Studies Education
Sociology	Social Studies Education
General Major in the Humanities	English Language Arts Education
General Major in the Sciences	Mathematics Education
General Major in the Sciences	Science Education
General Major in the Social Sciences	Native Education
General Major in the Social Sciences	Physical Education
General Major in the Social Sciences	Social Studies Education

Requirements for each major combination are listed in the following sections. Please note that information has been grouped under the Education major (e.g., the requirements for a History major in the B.A./B.Ed. Combined Degrees program would be located under the corresponding Social Studies Education major).

a. Art Education

Students may meet the Art Education major requirements by completing the major in Art.

Required courses:

- Art 2031 - Foundation Studio (Drawing and Image)
- Art 2032 - Foundation Studio (Object and Space)
- Art 3010 - Drawing (Principles and Practices)
- Art History 1000 - Introduction to Art

Art History 2001 - Contemporary Art Practices and Theories
 Art History 2225 - A Brief History of World Art

One of:

Art 3060 - Media Arts (Introduction to Digital Studio)
 Art 3061 - Media Arts (Video Sketchbook)

One of:

Art 3261 - Art NOW
 Art 3262 - Art NOW

One of:

Art History 3200 - Issues in 19th-Century Art and Culture
 Art History 3215 - 20th-Century Art History to 1945
 Art History 3240 - Canadian Art History to 1960
 Museum Studies 2900 - Introduction to Museum Studies

One of:

Art History 3151 - Art History (Series)
 Art History 3220 - Art from 1945 to 1980
 Art History 3245 - Canadian Art History from 1960 to the Present
 Art History 3250 - Northwest Coast Art
 Art History 3270 - Global Art Since 1980
 Art History 3850 - Topics in Art History
 Art History 4150 - Art History (Series)
 Museum Studies 3850 - Topics in Museum Studies
 Museum Studies 3900 - Exhibiting Cultures: Art Galleries, Museums and Cultures of Display
 Museum Studies 4000 - Museum Studies Internship

Three of:

Art 3005 - Print Media Without a Press
 OR Art 3006 - Print Media With a Press
 Art 3011 - Drawing (Advanced) OR
 Art 3160 - Drawing (The Body)
 Art 3022 - Introduction to Painting
 Art 3023 - Painting Studio: Material, Colour, Space OR Art 3024 - Painting Studio: Painting in the Expanded Field
 Art 3026 - Photo-Arts I
 Art 3027 - Photo-Arts II
 Art 3032 - Sculpture I
 Art 3033 - Sculpture II

Notes

Students with an interest in Art Education are also referred to the B.F.A. - Art/B.Ed. (p. 254).

Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

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

Number of courses required for the major..... 16

(Independent Study - optional; may not be counted in required courses for major)

b. Drama Education

Students may meet the Drama Education major requirements by completing the major in Dramatic Arts.

Required courses:

Drama 1000 - Introduction to Dramatic Arts
 Drama 2010 - Performance Fundamentals
 Drama 2100 - Play Reading and Analysis
 Drama 2120 - History and Development of Theatre I
 Drama 2130 - History and Development of Theatre II
 Drama 2420 - Directing I
 Drama 2810 - Introduction to Stagecraft
 Drama 3100 - Theatre in Performance
 Drama 3130 - Canadian Theatre
 Drama 3151 - Play Reading and Analysis II
 Drama 4211 - Theories of Theatre

One of:

Drama 2310 - Acting I
 Drama 2320 - Voice I
 Drama 2340 - Movement I
 Drama 2510 - Theatre for Young Audiences I
 Drama 2740 - Theatre Creation I
 Drama 2750 - Playwriting I
 Drama 2825 - Introduction to Design for Theatre

One of:

Drama 2600 - Drama Portfolio I
 Drama 2611 - Technical Theatre Portfolio I

One of:

English 3201 - Elizabethan and Jacobean Drama
 English 3602 - Shakespeare
 English 3620 - Modern Drama
 English 3660 - Contemporary Drama

One additional course (3.0 credit hours) in Drama at the 3000/4000 level

Notes

It is recommended that students consider additional courses from the Dramatic Literature series of the Department of English.

Students with an interest in Drama Education are also referred to the B.F.A. - Dramatic Arts/ B.Ed. (p. 256).

Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

Dramatic Arts/Drama Education (B.A./B.Ed.)

Number of courses required for the major 15

(Independent Study - optional; may be counted in required courses for major)

c. English Language Arts Education

Students may meet the English Language Arts Education major requirements by completing the major in English or the General Major in the Humanities.

I. English

Required courses:

English 1900 - Introduction to Language and Literature - or equivalent
English 2610 - Survey of Children's Literature

One of (Literary Surveys):

English 2000 - Survey of Canadian Literature
English 2400 - Survey of English Literature I
English 2450 - Survey of English Literature II
English 2500 - Survey of American Literature I
English 2550 - Survey of American Literature II
English 2625 - Survey of World Literature
English 2700 - Surveys of Literature (Series)

Two of (Genres, Approaches, and Themes):

English 2100 - Poetry
English 2200 - Drama
English 2300 - Prose Fiction
English 2720 - Approaches to Literature (Series)
English 2800 - Rhetoric
English 2810 - Grammar

Six courses (18.0 credit hours) in English at the 3000/4000 level chosen from the subfield lists below

Two courses (6.0 credit hours) in English at the 4000 level chosen from the subfield lists below

For the above 3000/4000-level requirements, students must draw courses from at least five of the following subfield lists:

- a. Theory, Language, and Creative Writing
 - English 3010 - Literary Theory
 - English 3060 - Gender and Literature
 - English 3070 - Imperialism and Nationalism in Children's Literature
 - English 3800 - Creative Writing

- English 3901 - History of the English Language
Any offering in the English 3700, English 4400, or English 4600 Series with an emphasis on Literary Theory, Language or Creative Writing
- b. Old and Middle English
 - English 3401 - Medieval Literature
 - English 3450 - Old English
 - English 3601 - Chaucer
 - Any offering in the English 3700, English 4400, or English 4600 Series with an emphasis on Old or Middle English Literature
- c. Renaissance
 - English 3201 - Elizabethan and Jacobean Drama
 - English 3410 - 17th-Century Literature
 - English 3602 - Shakespeare
 - Any offering in the English 3700, English 4400, or English 4600 Series with an emphasis on Renaissance Literature
- d. Eighteenth Century and Romantic
 - English 3301 - Rise of the Novel
 - English 3310 - Restoration and 18th-Century Literature
 - English 3350 - Romanticism
 - Any offering in the English 3700, English 4400, or English 4600 Series with an emphasis on Eighteenth-Century or Romantic Literature
- e. Nineteenth Century
 - English 3302 - 19th-Century British Novel
 - English 3500 - Victorian Literature
 - Any offering in the English 3700, English 4400, or English 4600 Series with an emphasis on Nineteenth-Century Literature
- f. Twentieth Century and Contemporary
 - English 3610 - Modernism
 - English 3620 - Modern Drama
 - English 3630 - Modern Novel
 - English 3650 - Contemporary Literature
 - English 3660 - Contemporary Drama
 - Any offering in the English 3700, English 4400, or English 4600 Series with an emphasis on Twentieth-Century or Contemporary Literature
- g. Canadian and Post-Colonial
 - English 3001 - Canadian Poetry
 - English 3002 - Contemporary Canadian Drama
 - English 3008 - Canadian Literature, 1867 - 1914
 - English 3810 - Contemporary Canadian Literature

English 3860 - Post-Colonial Literature
 English 4000 - Seminars in Canadian and Post-Colonial Literature (Series)
 Any offering in the English 3700, English 4400, or English 4600 Series with an emphasis on Canadian or Post-Colonial Literature.

Recommended courses:

English 2800 - Rhetoric
 English 3602 - Shakespeare

Notes

Students must present among the 13 courses one of the following courses in Canadian Literature:

- English 2000 - Survey of Canadian Literature
- English 3002 - Contemporary Canadian Drama
- English 3810 - Contemporary Canadian Literature
- English 4000 - Seminars in Canadian and Post-Colonial Literature (Series), with an emphasis on Canadian Literature
- Any offering in the English 3700, English 4400, or English 4600 series with an emphasis on Canadian literature.

Independent Studies courses, Applied Studies courses, and courses not listed under the seven subfields are not counted as part of the 13-course minimum for the major; they are strongly encouraged for students taking courses beyond this minimum, however.

It is recommended that students include a broad variety of periods and all three genres (drama, poetry, and prose fiction) in their programs.

Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

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

Number of courses required for the major. 13

(Independent Study - optional; may not be counted in required courses for major)

2. General Major in the Humanities

Required courses:

- Seven courses (21.0 credit hours) in English
- Four courses (12.0 credit hours) in each of two other disciplinary streams chosen from the following list:

- One of Art (including courses in Art History and Museum Studies), Dramatic Arts, or Music
- One of French, German, Japanese, or Spanish

Note: The disciplinary stream in German has been suspended, beginning May 1, 2013. Students may not declare German as a disciplinary stream in the 2013/2014 academic year and thereafter, until further notice.

Classical Languages

- Greek - all courses
- Hebrew - all courses
- Latin - all courses

- History - all courses
- Linguistics - all courses
- Native American Studies - all courses (includes Blackfoot and Cree)
- Philosophy - all courses designated Humanities
- Religious Studies - all courses

One course (3.0 credit hours) in a language other than English

Of the 16 courses (48.0 credit hours) required in the major, six courses (18.0 credit hours) must be at the 3000/4000 level

Notes

To determine if a given course in a disciplinary stream has a Humanities designation, see List I: Fine Arts and Humanities Courses (see **Part 4 - Academic Regulations, Liberal Education List Requirement, p. 79**).

If one of the disciplinary streams selected is a language discipline, students may use a course in a different language or an additional course in the chosen stream to meet the language requirement.

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

Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

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

Number of courses required for the major. 16

(Independent Study - optional; may be counted in required courses for major)

d. Mathematics Education

Students may meet the Mathematics Education major requirements by completing the major in Mathematics or the General Major in the Sciences.

I. Mathematics

Required courses:

- Computer Science 1620 - Fundamentals of Programming I
- Mathematics 1410 - Elementary Linear Algebra
- Mathematics 2000 - Mathematical Concepts
- Mathematics 2570 - Calculus III
- Mathematics 2580 - Calculus IV
- Mathematics 3400 - Group and Ring Theory
- Mathematics 3410 - Linear Algebra
- Mathematics 3500 - Analysis I
- Statistics 1770 - Introduction to Probability and Statistics

¹Statistics 2780 - Statistical Inference

One of:

- Mathematics 1560 - Calculus I
- Mathematics 1565 - Accelerated Calculus I (recommended)

One of:

- Mathematics 2560 - Calculus II
- Mathematics 2565 - Accelerated Calculus II (recommended)

One additional course (3.0 credit hours) in Mathematics or Statistics at the 3000/4000 level, excluding Mathematics 3980, Mathematics 4980, Statistics 3980, and Statistics 4980 (Applied Studies) and Mathematics 3990, Mathematics 4990, Statistics 3990, and Statistics 4990 (Independent Study)

Notes

¹ One course (3.0 credit hours) in Mathematics at the 3000/4000 level, excluding Mathematics 3980, Mathematics 4980, Statistics 3980, and Statistics 4980 (Applied Studies) and Mathematics 3990, Mathematics 4990, Statistics 3990, and Statistics 4990 (Independent Study), may replace Statistics 2780 in the list of required courses.

Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

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

Number of courses required for the major. 13

(Independent Study - optional; may not be counted in required courses for major)

2. General Major in the Sciences

Required courses:

Seven courses (21.0 credit hours) in Mathematics or Statistics

Four courses (12.0 credit hours) in each of two other disciplinary streams chosen 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)
- Neuroscience - all courses
- Physics - all courses (including courses in Astronomy and Engineering)
- Psychology - all courses designated Science

One of (Science in Human Affairs):

- Biochemistry 2300 - Elements of Human Nutrition
- Environmental Science 2000 - Fundamentals of Environmental Science
- Philosophy 2233 - Philosophy and the World View of Science: Earth and Life Sciences
- Philosophy 2234 - Philosophy and the World View of Science: Space, Time and Matter
- Philosophy 3402 - Biomedical Ethics
- Physics 2020 - The Physics of Everyday Life

Of the 16 courses (48.0 credit hours) required in the major, six courses (18.0 credit hours) must be at the 3000/4000 level

Notes

To determine if a given course in a disciplinary stream has a Science designation, see List III: Science Courses (see **Part 4 - Academic Regulations, Liberal Education List Requirement, p. 79**).

Some of the Science in Human Affairs courses have prerequisites which may or may not be included in the major.

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

Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

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

Number of courses required for the major 16

(Independent Study - optional; may be counted in required courses for major)

e. Modern Languages Education

Students may meet the Modern Languages Education major requirements by completing the major in French, German, French/German, or French/Spanish.

1. Modern Languages Education: French

Required courses:

One of the following pairs (a. or b.):

a. Non-Immersion Pair

(for students who have completed French 30, French 31, or equivalent)

French 1500 - Intermediate Language I
French 2000 - Intermediate Language II

OR

b. Immersion Pair

(for students who have completed French Language Arts 30, Français 30, or equivalent)

French 2001 - Intermediate Language for Immersion Graduates
One additional course (3.0 credit hours) in French

- French 2250 - French Immersion
- French 2300 - Introduction to Modern Literature and Literary Analysis
- French 3001 - Advanced Language I
- French 3100 - Survey of Pre-Revolutionary French Literature
- French 3450 - Phonetics and Diction
- Linguistics 2300 - Introduction to Linguistics I: Phonetics and Phonology
- Linguistics 2600 - Introduction to Linguistics II: Morphology, Syntax and Semantics

One of:

French 4001 - Advanced Language II
French 4002 - Advanced Studies in Language (Series)

Two additional courses (6.0 credit hours) in French at the 3000/4000 level
Participation in one 13-week off-campus study term at a francophone university. Students must take two courses (3.0 credit hours) for which the language of instruction is French.

Notes

Students may **not** count French 1000 (Beginners' French I) among the minimum requirements for the major.

Students registering in introductory language courses must complete the *Student Information Form* to determine whether they are registered in the appropriate course. Students may be asked to write the Student Placement Test. Advanced placement may be granted to students who have acquired language skills outside of a formal academic environment. Please refer to www.uleth.ca/artsci/modern-languages/department-modern-languages-placement-policy for more information.

Students who have not completed French 30 or French 31 (or equivalent) should begin their program with French 1000 and/or French 1100, depending on the placement test.

French 2250 is a required course along with the off-campus study term. It is recommended that students successfully complete French 2250 before enrolling in Professional Semester I. For details, see the French Off-Campus Studies Coordinator in the Department of Modern Languages.

Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

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

Number of courses required for the major 14

(Independent Study - optional; may be counted in required courses for major)

2. Modern Languages Education: German

Note: Admission to the Major in German/Modern Languages Education: German for the B.A./B.Ed. has been suspended, beginning May 1, 2013 (i.e. for the 2013/2014 academic year and thereafter, until further notice).

Required courses:

*German 2250 - German Immersion
Nine additional courses (27.0 credit hours) in German

In addition students must complete the following:

- Linguistics 2300 - Introduction to Linguistics I: Phonetics and Phonology
- Linguistics 2600 - Introduction to Linguistics II: Morphology, Syntax and Semantics

Participation in the Department's German Visiting Student program at a German-language university. Students must take two German courses (6.0 credit hours) at the 3000/4000 level. For details, see the German Off-Campus Studies Coordinator in the Department of Modern Languages.

Five of the above German courses (15.0 credit hours) must be at the 3000/4000 level

Two of the above German courses (6.0 credit hours) must be at the 4000 level

The German Visiting Student Program (GVSP) normally includes the immersion course (German 2250) and at least five German courses (15.0 credit hours) at a host university.

**German 2250 is a required course for Modern Languages Education: German majors. It is recommended that Modern Languages Education: German majors successfully complete German 2250 before enrolling in Professional Semester I.*

Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

German/Modern Languages Education: German (B.A./B.Ed.)

Number of courses required for the major..... 14

(Independent Study - optional; may be counted in required courses for major)

3. Modern Languages Education: French/German

Note: Admission to the Major in French/German/ Modern Languages Education: French/German for the B.A./B.Ed. has been suspended, beginning May 1, 2013 (i.e. for the 2013/2014 academic year and thereafter, until further notice).

Required courses:

French 3450 - Phonetics and Diction
Seven additional courses (21.0 credit hours) in French
Six courses (18.0 credit hours) in German
Linguistics 2300 - Introduction to Linguistics I: Phonetics and Phonology
Linguistics 2600 - Introduction to Linguistics II: Morphology, Syntax and Semantics
Five of the above courses (15.0 credit hours) must be at the 3000/4000 level, of which three courses (9.0

credit hours) must be in either French or German

Immersion Requirement

All B.A./B.Ed. students with the French/German/Modern Languages Education: French/German major must present (either among the minimum 16 courses or in addition to those):

One of:

- *French 2250 - French Immersion
- *German 2250 - German Immersion

The French Visiting Student Program (FVSP) or German Visiting Student Program (GVSP) normally includes the immersion course (French 2250 or German 2250) and at least two courses taught in French or German at a host university. These courses may be used to meet course requirements in the major if they transfer as French or German courses.

**French 2250 and German 2250 are required courses for Modern Languages Education (French and German, respectively) majors. It is recommended that Modern Languages Education: French/German majors successfully complete French 2250 or German 2250 before enrolling in Professional Semester I.*

Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

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

Number of courses required for the major..... 16

(Independent Study - optional; may be counted in required courses for major)

4. Modern Languages Education: French/Spanish

Required courses:

French 3450 - Phonetics and Diction
Linguistics 2300 - Introduction to Linguistics I: Phonetics and Phonology
Linguistics 2600 - Introduction to Linguistics II: Morphology, Syntax and Semantics
Six additional courses (18.0 credit hours) in French
Seven courses (21.0 credit hours) in Spanish
Participation in the Department's French or Spanish Visiting Student program at a French- or Spanish-language university.
Five of the above courses (15.0 credit hours) must be at the 3000/4000 level

Notes

Students may **not** count either French 1000 (Beginners' French I) or Spanish 1000 (Beginners' Spanish I) among the minimum requirements for the major.

Students registering in introductory language courses must complete the *Student Information Form* to determine whether they are registered in the appropriate course. Students may be asked to write the Student Placement Test. Advanced placement may be granted to students who have acquired language skills outside of a formal academic environment. Please refer to www.uleth.ca/artsci/modern-languages/department-modern-languages-placement-policy for more information.

The French Visiting Student Program (FVSP) or Spanish Visiting Student Program (SVSP) includes the immersion course (French 2250 or Spanish 2250) and at least two courses taught in French or Spanish at a host university. These courses may be used to meet course requirements in the major if they transfer as French or Spanish courses. It is recommended that students successfully complete French 2250 or Spanish 2250 before enrolling in Professional Semester I. For details, see the French or Spanish Off-Campus Studies Coordinator in the Department of Modern Languages.

Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

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

Number of courses required for the major. 16

(Independent Study - optional; may be counted in required courses for major)

f. Music Education

Students may meet the Music Education major requirements by completing the major in Music.

Required courses:

- Music 2080 - Western Art Music
- Music 2090 - The Eighteenth Century
- Music 2148 - Studio I - (Instrument)
- Music 2160 - Theory I
- ¹ Music 2161 - Musicianship Skills I
- Music 2248 - Studio II - (Instrument)
- Music 2260 - Theory II
- ¹ Music 2261 - Musicianship Skills II
- Music 3348 - Studio III - (Instrument)
- Music 3360 - Theory III
- ¹ Music 3361 - Musicianship Skills III
- Music 3448 - Studio IV - (Instrument)
- Music 3460 - Theory IV

- ¹ Music 3461 - Musicianship Skills IV
- Music 3500 - Conducting I

One of:

- Music 3090 - The Medieval Era to the Early Baroque
- Music 3480 - The Nineteenth Century
- Music 3580 - The Twentieth and Twenty-first Centuries

Four Music Ensemble Activity courses (6.0 credit hours)

Note: *Music Ensemble Activity participation is determined by the focus of the Music major and must be fulfilled as follows:*

Major Focus Music Ensemble Activity

- Studio wind & percussion *Wind Orchestra*
- Studio voice *University Singers or Women's Chorus*
- Studio pianist & guitarist *Music Ensemble Activity 2450, Music Ensemble Activity 2451, and a minimum of two terms (1.5 credit hours each) of:*
 - Contemporary and Electroacoustics Ensemble*
 - Jazz Ensemble*
 - Percussion Ensemble*
 - University Singers*
 - Vox Musica*
 - Wind Orchestra*
 - Women's Chorus*
- Studio string *Orchestra (or through other approved ensemble or Independent Study by permission of the Department of Music)*

Not more than two Music Ensemble Activities may be counted toward the Ensemble participation requirement in a given term.

Notes

¹ 1.5 credit hours

Composition is not available as a Studio area in the B.A./B.Ed.

Each Music Ensemble Activity counts as one-half course (i.e. 1.5 credit hours).

Students with an interest in Music Education are also referred to the B.Mus./B.Ed. (p. 262).

Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

Music/Music Education (B.A./B.Ed.)

Number of courses required for the major. 16 (includes four one-half MUSE courses)

(Independent Study - optional; may not be counted in required courses for major)

g. Native Education

Students may meet the Native Education major requirements by completing the major in Native American Studies or the General Major in the Social Sciences.

I. Native American Studies

Required courses:

Native American Studies 1000 - Introduction to Native American Studies

One course (3.0 credit hours) in Blackfoot or Cree

One of (Art and Literature):

Native American Studies 2300 - North American Indian Art History and Theory

Native American Studies 2350/ Art 2350 - North American Indian Art Studio

Native American Studies 2600 - Native American Literature

One of (Culture and History):

Native American Studies 2000 - Native American Philosophy

Native American Studies 2500 - Canadian Indian History

Native American Studies 2550 - U.S. Indian History

One of (Law and Politics):

Native American Studies 2100 - Aboriginal Peoples and Law

Native American Studies 2150 - Native Rights in the United States

Native American Studies 2800 - Native American Politics

One of (Contemporary Issues):

Native American Studies 2400 - Traditional Aboriginal Political Economy

Native American Studies 2700 - Native American Women

Native American Studies 3700 - Native American Health

Three courses (9.0 credit hours) in Native American Studies at the 3000/4000 level

One course (3.0 credit hours) in Native American Studies at the 4000 level

Three additional courses (9.0 credit hours) in Native American Studies, Blackfoot, or Cree

Additional requirements for the Native Education major include:

A seven-course school subject minor (excluding Blackfoot Education, Religious Studies Education, and any Career and Technologies Studies Focus except Business, Administration, Finance & Information Technology (BIT))

Completion of Professional Semester II in the declared minor

A Methods course in Native Education

Completion of Professional Semester III in Special Focus: Native Education (Fall only)

Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

Native American Studies/Native Education (B.A./B.Ed.)

Number of courses required for the major 13

(Independent Study - optional; may be counted in required courses for major)

2. General Major in the Social Sciences

Required courses:

Seven courses (21.0 credit hours) in Native American Studies

Four courses (12.0 credit hours) in each of two other disciplinary streams chosen 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)

Political Science – all courses designated Social Science

Psychology – all courses designated Social Science

Sociology – all courses
Women and Gender Studies – all courses

One of (Quantitative Methods):

Economics 2900 - Economics and Business Statistics

Geography 2700 - Geographical Data and Analysis

Psychology 2030 - Methods and Statistics

Sociology 2130 - Social Statistics I
Statistics 2780 - Statistical Inference

Of the 16 courses (48.0 credit hours) required in the major, six courses (18.0 credit hours) must be at the 3000/4000 level

Additional requirements for the Native Education major include:

A seven-course school subject minor (excluding Blackfoot Education, Religious Studies Education and any Career and Technologies Studies Focus except Business, Administration, Finance & Information Technology (BIT))

Completion of Professional Semester II in the minor

A Methods course in Native Education

Completion of Professional Semester III in Special Focus: Native Education (Fall only)

Notes

To determine if a given course in a disciplinary stream has a Social Science designation, see List II: Social Science Courses (see **Part 4 - Academic Regulations, Liberal Education List Requirement, p. 79**).

The Quantitative Methods courses have prerequisites which may or may not be included in the major.

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

Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

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

Number of courses required for the major..... 16

(Independent Study - optional; may be counted in required courses for major)

h. Physical Education

Students may meet the Physical Education major requirements by completing the major in Kinesiology for the B.A., the major in Kinesiology for the B.Sc., or the General Major in the Social Sciences.

I. Kinesiology (B.A.)

Required courses:

Kinesiology 1000 - Wellness and Physical Activity

Kinesiology 2110 - Biophysical Perspectives

Kinesiology 2130 - Humanities Perspectives

Kinesiology 2140 - Psychological Perspectives

Kinesiology 2150 - Sociological Perspectives

Kinesiology 2200 - Research Methodologies

Kinesiology 2600 - Functional Human Anatomy

¹ Physical Activity 2130 - Educational Dance

¹ Physical Activity 2135 - Educational Gymnastics

One of:

Kinesiology 2160 - Management Perspectives

Kinesiology 3300 - Leadership Skills Development

One course (3.0 credit hours) in Kinesiology at the 3000/4000 level with a Humanities or Social Science designation

One course (3.0 credit hours) in Kinesiology at the 4000 level with a Humanities or Social Science designation, excluding Kinesiology 4980 (Applied Study) and Kinesiology 4990 (Independent Study)

Two courses (6.0 credit hours) in Physical Activity at the 3000 level

Notes

¹ Physical Activity 2130 and 2135 are half courses (1.5 credit hours each).

To determine if a given course in Kinesiology has a Humanities or Social Science designation, see List I: Fine Arts and Humanities Courses and List II: Social Science Courses (see **Part 4 - Academic Regulations, Liberal Education List Requirement, p. 79**).

Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

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

Number of courses required for the major..... 13
(includes two one-half PHAC courses)

(Independent Study - optional; may be counted in required courses for major)

2. Kinesiology (B.Sc.)

Required courses:

Biology 1010 - Cellular Basis of Life

Kinesiology 1000 - Wellness and Physical Activity

Kinesiology 2200 - Research Methodologies

Kinesiology 2600 - Functional Human Anatomy

Kinesiology 2610 - Human Physiology

Kinesiology 2650 - Functional Biomechanics

Kinesiology 3610 - Exercise Physiology

Kinesiology 3630 - Growth, Development and Aging

Kinesiology 3650 - Biomechanics

¹ Physical Activity 2130 - Educational Dance

¹ Physical Activity 2135 - Educational Gymnastics

Physics 1050 - Introduction to Biophysics

One of:

- Chemistry 1000 - General Chemistry I
- Chemistry 1110 - Chemistry for Life Sciences I

One of:

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

² One course (3.0 credit hours) in Kinesiology at the 4000 level with a Science designation, excluding Kinesiology 4980 (Applied Study) and Kinesiology 4990 (Independent Study)

Two courses (6.0 credit hours) in Physical Activity at the 3000 level

Notes

¹ Physical Activity 2130 and 2135 are half courses (1.5 credit hours each).

² Kinesiology 4900 (Interdisciplinary Research Dialogues) may be used in place of one Kinesiology course at the 4000 level with a Science designation.

To determine if a given course in Kinesiology has a Science designation, see List III: Science Courses (see **Part 4 - Academic Regulations, Liberal Education List Requirement, p. 79**).

Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

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

Number of courses required for the major. 16 (includes two one-half PHAC courses)

(Independent Study - optional; may not be counted in required courses for major)

3. General Major in the Social Sciences

Required courses:

Seven courses (21.0 credit hours) in Kinesiology (designated as Social Science), including the following:

- 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

Four courses (12.0 credit hours) in each of two other disciplinary streams chosen 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
- Native American Studies - all courses (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

One of (Quantitative Methods):

- Economics 2900 - Economics and Business Statistics
- Geography 2700 - Geographical Data and Analysis
- Psychology 2030 - Methods and Statistics
- Sociology 2130 - Social Statistics I
- Statistics 2780 - Statistical Inference

Of the 16 courses (48.0 credit hours) required in the major, six courses (18.0 credit hours) must be at the 3000/4000 level. Two courses (6.0 credit hours) must be Kinesiology.

Notes

To determine if a given course in a disciplinary stream has a Social Science designation, see List II: Social Science Courses (see **Part 4 - Academic Regulations, Liberal Education List Requirement, p. 79**).

The Quantitative Methods courses have prerequisites which may or may not be included in the major.

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

Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

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

Number of courses required for the major. 16

(Independent Study - optional; may be counted in required courses for major)

i. Science Education

Students may meet the Science Education major requirements by completing the major in Biological Sciences, Chemistry, Geography (Physical Geography), Physics or the General Major in the Sciences.

I. Biological Sciences

Required courses:

Biochemistry 2000 - Introductory Biochemistry
Biology 1010 - Cellular Basis of Life
Biology 1020 - Diversity of Life
Biology 2000 - Principles of Genetics
Biology 2200 - Principles of Ecology
Biology 3300 - Evolution
Chemistry 1000 - General Chemistry I
Chemistry 2000 - General Chemistry II
Chemistry 2500 - Organic Chemistry I

One of:

Mathematics 1410 - Elementary Linear Algebra
Mathematics 1560 - Calculus I
Mathematics 1565 - Accelerated Calculus I

One of:

Physics 1000 - Introduction to Physics I
Physics 1050 - Introduction to Biophysics (preferred)

¹ Five courses (15.0 credit hours) in Biology at the 3000/4000 level, including two courses (6.0 credit hours) from two of the following subfield lists, and one course (3.0 credit hours) from the third subfield list; one of the five courses must be at the 4000 level

List I - Cellular and Molecular Biology

Biology 3000 - Gene Expression and Regulation
Biology 3005 - Genome Maintenance
Biology 3105 - Signal Transduction
Biology 3115 - Principles of Cell Growth
Biology 3210 - Experimental Methods in Molecular and Cellular Biology
Biology 4100 - Advances in Agricultural Biotechnology
Biology 4110 - Advances in Genetics, Molecular and Cellular Biology
Biology 4130 - Genomics and Biotechnology
Biology 4140 - RNA Biology
Biology 4170 - Plant Biotechnology
Biology 4200 - Techniques in Molecular Biology
Biology 4230 - Molecular and Cellular Biology of Cancer

List 2 - Organismal Biology

Biology 3310 - Developmental Biology
Biology 3400 - Principles of Microbiology

Biology 3420 - Animal Physiology
Biology 3460 - Plant Physiology
Biology 3505 - Freshwater Biology
Biology 3520 - Invertebrate Zoology
Biology 3530 - Vertebrate Zoology
Biology 3560 - Integrative Plant Biology
Biology 4420 - Environmental Physiology
Biology 4440 - Toxicology
Biology 4560 - Plant Development

List 3 - Ecology and Evolutionary Biology

Biology 3605 - Conservation Biology
² Biology 3610 - Prairie Conservation
Biology 3630 - Field Biology
Biology 3700 - Ecosystem and Community Ecology
Biology 3710 - Population Biology
Biology 3800 - Aquatic Ecosystems
Biology 3810 - Experimental Design and Analysis
Biology 4700 - Molecular Ecology
Biology 4710 - Evolutionary and Ecological Modelling
Biology 4740 - Behavioural Ecology
Biology 4800 - Biology of Parasitism

Recommended course:

Environmental Science 2000 - Fundamentals of Environmental Science

Notes

¹ Topics courses (Biology 3850 and 4850) may be assigned to one of the Biological Sciences lists at the time of scheduling. Please refer to the current term timetable.

² Prerequisite required: Environmental Science 2000.

Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

Biological Sciences/Science Education (B.Sc./B.Ed.)

Number of courses required for the major. 16

(Independent Study - optional; may not be counted in required courses for major)

2. Chemistry

Required courses:

Chemistry 1000 - General Chemistry I
Chemistry 2000 - General Chemistry II
Chemistry 2410 - Analytical Chemistry I
Chemistry 2500 - Organic Chemistry I
Chemistry 2600 - Organic Chemistry II
Chemistry 2740 - Physical Chemistry
Mathematics 1410 - Elementary Linear Algebra
Physics 2000 - Introduction to Physics II

One of:
Mathematics 1560 - Calculus I
Mathematics 1565 - Accelerated
Calculus I (recommended)

One of:
Mathematics 2560 - Calculus II
Mathematics 2565 - Accelerated
Calculus II (recommended)

One of:
Physics 1000 - Introduction to
Physics I (recommended)
Physics 1050 - Introduction to
Biophysics
¹ Engineering 2060 - Engineering
Mechanics

Four of:
Biochemistry 2000 - Introductory
Biochemistry
Biochemistry 3100 - Proteins,
Enzymes and Nucleic Acids
Biochemistry 3300 - Bioenergetics
and Metabolism
Chemistry 3250 - Contemporary
Chemistry
Chemistry 3410 - Analytical
Chemistry II
Chemistry 3730 - Advanced Physical
Chemistry
Chemistry 3830 - Inorganic
Chemistry I
Chemistry 3840 - Inorganic
Chemistry II

Recommended course:
Biology 1010 - Cellular Basis of Life

Notes

¹ Prerequisite required: Engineering 2000

The major in Chemistry for the Combined Degrees program is not accredited by the Canadian Society of Chemistry, nor is it sufficient for pursuing graduate studies in Chemistry.

Chemistry courses are organized in sequences and must be taken in the proper order. In addition, several of the 3000-level courses are offered only in alternate years. Students are advised to seek help in planning their programs from the Departmental Advisor or from any faculty member in the Department of Chemistry and Biochemistry at an early stage of their studies.

Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

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

Number of courses required for the major. 15

(Independent Study - optional; may not be counted in required courses for major)

3. Geography

Required courses:

Biology 1020 - Diversity of Life
Chemistry 1000 - General Chemistry I
Geography 1000 - Introduction to Physical
Geography
Geography 2030 - Geomorphology
Geography 2300 - Weather and Climate
Geography 2700 - Geographical Data and
Analysis
Geography 2735 - Introduction to
Geographical Information Science

One of:
Mathematics 1560 - Calculus I
Mathematics 1565 - Accelerated
Calculus I

One of:
Physics 1000 - Introduction to
Physics I
Physics 1050 - Introduction to
Biophysics

One of:
Geography 2090 - Biogeography
Geology 2060 - Physical Geology

One of:
Geography 3710 - Field Techniques in
the Earth Sciences
Geography 3720 - Remote Sensing
Geography 3740 - Geographical
Information Systems

Two of:
Geography 3035 - Fluvial
Geomorphology
Geography 3060 - Glaciology and
Glacial Geomorphology
Geography 3080 - Soils
Geography 3300 - Microclimatology
Geography 3400 - Hydrology I

One of:
Geography 4065 - Irrigation Science
Geography 4400 - Hydrology II
Geography 4415 - Integrated
Watershed Management
Geography 4725 - Advanced Remote
Sensing
Geography 4750 - Glacial Processes,
Measurements, and Models

Two additional lab-based courses (6.0
credit hours) in Biology, Chemistry,
or Physics

Recommended courses:

Biology 1010 - Cellular Basis of Life
Environmental Science 2000 -
Fundamentals of Environmental
Science

Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

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

Number of courses required for the major 16

(Independent Study - optional; may not be counted in required courses for major)

4. Physics

Required courses:

- Mathematics 1410 - Elementary Linear Algebra
- Mathematics 2570 - Calculus III
- Physics 2000 - Introduction to Physics II
- Physics 2020 - The Physics of Everyday Life
- Physics 2120 - Introduction to Physics III
- Physics 2130 - Waves, Optics and Sound
- Physics 2150 - Quantum Mechanics I
- Physics 2925 - Introduction to Experimental Physics
- Physics 3750 - Contemporary Physics

One of:

- Mathematics 1560 - Calculus I
- Mathematics 1565 - Accelerated Calculus I (recommended)

One of:

- Mathematics 2560 - Calculus II
- Mathematics 2565 - Accelerated Calculus II (recommended)

One of:

- Physics 1000 - Introduction to Physics I
- Physics 1050 - Introduction to Biophysics
- ¹Engineering 2060 - Engineering Mechanics

One of:

- Astronomy 2020 - Modern Astronomy
- Astronomy 2070 - The Solar System

One of:

- Biology 1010 - Cellular Basis of Life
- Biology 1020 - Diversity of Life

One of:

- Chemistry 1000 - General Chemistry I
- Chemistry 1110 - Chemistry for Life Sciences I

One additional course (3.0 credit hours) in Physics, Astronomy, or Engineering

Notes

¹ Prerequisite required: Engineering 2000

Students wishing to include 3000-level Physics courses in their program must take Mathematics 2580 (Calculus IV) which is a prerequisite for such courses except Physics 3750 and some offerings of the Physics 3900 series.

It is recommended that Physics majors include courses in Biology, Chemistry, Computer Science, and Mathematics.

Since a number of senior-level Physics courses are offered only in alternate years, students are advised to plan carefully to

include the desired courses. Students are strongly advised to seek help in planning their program from the Department of Physics and Astronomy.

Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

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

Number of courses required for the major 16

(Independent Study - optional; may be counted in required courses for major)

5. General Major in the Sciences

Required courses:

Seven courses (21.0 credit hours) in one of Biology, Chemistry, Physical Geography or Physics

Four courses (12.0 credit hours) in one other area of Biology, Chemistry, Physical Geography, or Physics

Four courses (12.0 credit hours) in one other disciplinary stream chosen 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

Mathematics – all courses (including courses in Statistics)

Neuroscience – all courses

Physics – all courses (including courses in Astronomy and Engineering)

Psychology – all courses designated Science

One of (Science in Human Affairs):

Biochemistry 2300 - Elements of Human Nutrition

Environmental Science 2000 - Fundamentals of Environmental Science

Philosophy 2233 - Philosophy and the World View of Science: Earth and Life Sciences

Philosophy 2234 - Philosophy and the World View of Science: Space, Time and Matter

Philosophy 3402 - Biomedical Ethics
Physics 2020 - The Physics of Everyday Life

Of the 16 courses (48.0 credit hours) required in the major, six courses (18.0 credit hours) must be at the 3000/4000 level

Notes

To determine if a given course in a disciplinary stream has a Science designation, see List III: Science Courses (see **Part 4 - Academic Regulations, Liberal Education List Requirement, p. 79**).

Some of the Science in Human Affairs courses have prerequisites which may or may not be included in the major.

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

Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

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

Number of courses required for the major. 16

(Independent Study - optional; may be counted in required courses for major)

j. Social Studies Education

Students may meet the Social Studies Education major requirements by completing the major in Anthropology, Canadian Studies, Economics, Geography, History, Political Science, or Sociology or the General Major in the Social Sciences.

1. Anthropology

Required courses:

- Anthropology 1000 - The Anthropological Perspective
- Anthropology 2010 - Theory I: Historical Foundations of Anthropological Thought
- Anthropology 2210 - Cultures of the World (Series)
- Anthropology 3000 - Theory II: Contemporary Anthropological Theory
- Geography 2600 - Canada
- History 2710 - Canada to 1867
- History 2720 - Canada Since 1867
- Political Science 2210 - Canadian Politics and Government

One of:

- Anthropology 2410 - Anthropological Archaeology
- Anthropology 2510 - Language, Culture, and Communication

One of:

- Economics 1010 - Introduction to Microeconomics
- Economics 1012 - Introduction to Macroeconomics
- Native American Studies 1000 - Introduction to Native American Studies

One of:

- History 1000 - Western Civilization
- History 1200 - World History

One additional course (3.0 credit hours) in Anthropology at the 2000 level or above, excluding Anthropology 2990, 3990, and 4990 (Independent Study)

Two additional courses (6.0 credit hours) in Anthropology at the 3000/4000 level, excluding Anthropology 3980 (Applied Studies) and Anthropology 3990 (Independent Study)

Two courses (6.0 credit hours) in Anthropology at the 4000 level, excluding Anthropology 4980 (Applied Studies) and Anthropology 4990 (Independent Study).

Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

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

Number of courses required for the major. 16

(Independent Study - optional; may not be counted in required courses for major)

2. Canadian Studies

Required core:

- English 1900 - Introduction to Language and Literature
- English 2000 - Survey of Canadian Literature
- Geography 2600 - Canada
- History 2710 - Canada to 1867
- History 2720 - Canada Since 1867
- Native American Studies 1000 - Introduction to Native American Studies
- Political Science 2210 - Canadian Politics and Government

One of:

- Economics 1010 - Introduction to Microeconomics
- Economics 1012 - Introduction to Macroeconomics

One of:

- History 1000 - Western Civilization
- History 1200 - World History

Two of:

- French 1000 - Beginners' French I
- French 1100 - Beginners' French II
- French 1500 - Intermediate Language I
- French 2000 - Intermediate Language II
- French 2001 - Intermediate Language for Immersion Graduates
- French 2200 - Culture and Civilization I
- French 2300 - Introduction to Modern Literature and Literary Analysis

Options (Five courses from the following, including at least four courses at the 3000/4000 level):

- English 3001 - Canadian Poetry
- English 3002 - Contemporary Canadian Drama
- French 3001 - Advanced Language I
- French 3200 - Culture and Civilization II (Series)
- French 3500 - Survey of French or French-Canadian Literature (Series)
- French 3600 - Literary Genres (Series)
- French 4001 - Advanced Language II
- French 4002 - Advanced Studies in Language (Series)
- French 4600 - Seminar in Literature (Series)
- History 3703 - History of Western Canada
- History 3707 - Canada Since 1939
- History 3708 - History of Atlantic Canada
- History 4070 - Seminars in Canadian History (Series)
- Native American Studies 3400 - Contemporary Aboriginal Political Economy
- Native American Studies 3500 - History of Prairie Indian Treaties
- Native American Studies 4200 - Law and Aboriginal Development in Canada
- Native American Studies 4700 - The Metis
- Political Science 3120 - Canadian Foreign Policy
- Political Science 3221 - The Politics of Canadian Federalism
- Political Science 3241 - Canadian Constitutional Law I: Federalism and First Nations
- Political Science 3242 - Canadian Constitutional Law II: The Charter
- Political Science 3260 - Canadian Public Policy
- Political Science 3280 - Canadian Political Behaviour
- Political Science 4200 - Seminars in Canadian Politics and Government (Series)

One of:

- Native American Studies 2100 - Aboriginal Peoples and Law
- Native American Studies 2400 - Traditional Aboriginal Political Economy

- Native American Studies 2500 - Canadian Indian History
- Native American Studies 2600 - Native American Literature
- Native American Studies 2800 - Native American Politics

Recommended courses:

- Art History 3240 - Canadian Art History to 1960
- Art History 3245 - Canadian Art History from 1960 to the Present
- English 3810 - Contemporary Canadian Literature
- Sociology 2010 - Canadian Society

Notes

Selected Topics courses, Applied Studies, Independent Studies and offerings in the French 3200, French 3500, French 3600, and French 4600 Series may be counted as options toward the major provided (1) they are clearly related to Canadian Studies and (2) they are approved by the Coordinator of Canadian Studies.

Students are strongly encouraged to choose Options courses which are associated with the provincial Social Studies curriculum (i.e. History, Native American Studies, Political Science)

Many of the options courses require prerequisites, thus students should choose courses with this in mind.

Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

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

Number of courses required for the major 16

(Independent Study - optional; may be counted in required courses for major)

3. Economics

Required courses:

- Economics 1010 - Introduction to Microeconomics
- Economics 1012 - Introduction to Macroeconomics
- Economics 2900 - Economics and Business Statistics
- Economics 3010 - Intermediate Microeconomic Theory
- Economics 3012 - Intermediate Macroeconomic Theory
- Geography 2600 - Canada
- History 2710 - Canada to 1867
- History 2720 - Canada Since 1867
- Political Science 2210 - Canadian Politics and Government
- Statistics 1770 - Introduction to Probability and Statistics

One of:

- History 1000 - Western Civilization
- History 1200 - World History

Three additional courses (9.0 credit hours) in Economics at the 3000/4000 level

Two additional courses (6.0 credit hours) in Economics

Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

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

Number of courses required for the major. 16

(Independent Study - optional; may be counted in required courses for major)

4. Geography

Required courses:

- Environmental Science 2000 - Fundamentals of Environmental Science
- Geography 1000 - Introduction to Physical Geography
- Geography 1200 - Introduction to Human Geography
- Geography 2000 - World Regional Geography
- Geography 2210 - Spatial Organization of Economic Activity
- Geography 2535 - Introduction to Planning
- Geography 2600 - Canada
- Geography 2700 - Geographical Data and Analysis
- Geography 3075 - Environmental Resources Management
- Geography 3230 - Urban Social Geography
- History 2710 - Canada to 1867
- History 2720 - Canada Since 1867
- Native American Studies 1000 - Introduction to Native American Studies
- Political Science 2210 - Canadian Politics and Government

One of:

- Economics 1010 - Introduction to Microeconomics
- Economics 1012 - Introduction to Macroeconomics

One of:

- History 1000 - Western Civilization
- History 1200 - World History

Recommended courses:

- Archaeology 1000 - Introduction to Archaeology

- Archaeology 3110 - Archaeology of North America
- Geography 2030 - Geomorphology
- Geography 2300 - Weather and Climate
- Geography 3245 - Urbanization in Developing Countries
- History 3703 - History of Western Canada
- Political Science 2511 - Introduction to Political Theory

Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

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

Number of courses required for the major. 16

(Independent Study - optional; may not be counted in required courses for major)

5. History

Required courses:

- Geography 2600 - Canada
- History 2222 - History in Practice
- History 2710 - Canada to 1867
- History 2720 - Canada Since 1867
- Native American Studies 1000 - Introduction to Native American Studies
- Political Science 2210 - Canadian Politics and Government

One of:

- History 1000 - Western Civilization
- History 1200 - World History

One of:

- Economics 1010 - Introduction to Microeconomics
- Economics 1012 - Introduction to Macroeconomics

Three of:

- History 2001 - Main Themes in Ancient History
- History 2100 - Main Themes in Medieval European History
- History 2102 - Early Modern Europe - 1500-1750
- History 2150 - The Politics of Europe - 1750-1914
- History 2250 - China in the 19th and 20th Centuries
- History 2290 - Main Themes in East Asian History
- History 2300 - Latin America
- History 2500 - Themes in British Social and Political History
- History 2600 - Main Themes in the History of the United States
- History 2800 - History of Women
- Religious Studies 2500 - Christianity

Two courses (6.0 credit hours) in History at the 3000/4000 level

One course (3.0 credit hours) in History at the 4000 level, excluding History 4980 (Applied Studies) and History 4990 (Independent Study)

Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

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

Number of courses required for the major..... 14

(Independent Study - optional; may be counted in required courses for major)

6. Political Science

Required courses:

Geography 2600 - Canada
History 2710 - Canada to 1867
History 2720 - Canada Since 1867
Native American Studies 1000 - Introduction to Native American Studies
Political Science 1000 - Introduction to Political Science
Political Science 2110 - International Relations
Political Science 2210 - Canadian Politics and Government
Political Science 2310 - Comparative Politics and Government
Political Science 2511 - Introduction to Political Theory

One of:

Economics 1010 - Introduction to Microeconomics
Economics 1012 - Introduction to Macroeconomics

One of:

History 1000 - Western Civilization
History 1200 - World History

Four courses (12.0 credit hours) in Political Science at the 3000/4000 level

One course (3.0 credit hours) in Political Science at the 4000 level

Recommended courses:

Political Science 3130 - International Political Economy
Political Science 3221 - The Politics of Canadian Federalism
Political Science 3242 - Canadian Constitutional Law II: The Charter
Political Science 3280 - Canadian Political Behaviour
Political Science 3511 - Political Thought Since 1500 (Series)
History 3703 - History of Western Canada

Notes

Political Science 4980 (Applied Studies) and Political Science 4990 (Independent Study) may not be included as part of the 16-course minimum for the major; they are strongly encouraged for students taking courses beyond this minimum, however.

Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

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

Number of courses required for the major..... 16

(Independent Study - optional; may be counted in required courses for major)

7. Sociology

Required courses:

Geography 2600 - Canada
History 2710 - Canada to 1867
History 2720 - Canada Since 1867
Political Science 2210 - Canadian Politics and Government
Sociology 1000 - Introduction to Sociology
Sociology 2100 - Research Methodology
Sociology 2300 - Committing Sociology
Sociology 3210 - Classical Sociological Theory
Sociology 3220 - Contemporary Sociological Theory

One of:

Sociology 3110 - Survey Research
Sociology 3120 - Qualitative Research Methods

One of:

History 1000 - Western Civilization
History 1200 - World History

One of:

Economics 1010 - Introduction to Microeconomics
Economics 1012 - Introduction to Macroeconomics
Native American Studies 1000 - Introduction to Native American Studies

Four additional courses (12.0 credit hours) in Sociology at the 3000/4000 level

Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

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

Number of courses required for the major..... 16

(Independent Study - optional; may be counted in required courses for major)

8. General Major in the Social Sciences

Required courses:

Seven courses (21.0 credit hours) in History, including the following:
History 2710 - Canada to 1867
History 2720 - Canada Since 1867

One of:

History 1000 - Western Civilization
History 1200 - World History

Four courses (12.0 credit hours) in one of Economics, Geography, or Political Science (Social Science courses)

Four courses (12.0 credit hours) in one other disciplinary stream chosen 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)
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

One of (Quantitative Methods):

Economics 2900 - Economics and Business Statistics
Geography 2700 - Geographical Data and Analysis
Psychology 2030 - Methods and Statistics
Sociology 2130 - Social Statistics I
Statistics 2780 - Statistical Inference

Of the 16 courses (48.0 credit hours) required in the major, six courses (18.0 credit hours) must be at the 3000/4000 level

Recommended courses:

Economics 1010 - Introduction to Microeconomics

Economics 1012 - Introduction to Macroeconomics
Geography 2600 - Canada
Native American Studies 1000 - Introduction to Native American Studies
Political Science 2210 - Canadian Politics and Government

Notes

To determine if a given course in a disciplinary stream has a Social Science designation, see List II: Social Science Courses (see **Part 4 - Academic Regulations, Liberal Education List Requirement, p. 79**).

The Quantitative Methods courses have prerequisites which may or may not be included in the major.

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

Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

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

Number of courses required for the major..... 16

(Independent Study - optional; may be counted in required courses for major)

e. Education Minor Requirements

Students may elect to complete a minor in addition to a major. The minor must be a school subject and include five non-Education courses and an appropriate Education Methods course, usually selected from the Education 3700 Series. Students are eligible to receive an endorsement on their official transcripts upon completion of a minor. Please refer to **Part 8 - Education, Education Minors (p. 159)** for information on Education minor requirements.

f. Education Specialization Requirements

Students may elect to complete a specialization in addition to a major or minor, with the exception of those enrolled in the Native Education major, who must complete a Special Focus internship in Native Education. Students will be eligible to receive an endorsement on their official transcript upon completion of a specialization.

Education students completing a major or minor may not include, in the specialization, any of the courses that are included in the minimum requirements for their major or minor.

Please refer to **Part 8 - Education, Education Specializations (p. 163)** for information on Education Specialization Requirements.

g. Academic Regulations

In the Combined Degrees program, students divide their time between two different Faculties which measure different standards of academic performance. Students should read the academic regulations for each Faculty in which a portion of the Combined Degrees will be taken. For the B.A./B.Ed. or B.Sc./B.Ed., students should be aware of the Arts and Science regulations (**Part 7**) and the Education regulations (**Part 8**).

h. Residence Requirement

Students must complete a minimum of 30 courses at the University of Lethbridge, including 15 Education courses, and 15 courses offered by the Faculty of Arts and Science or the Faculty of Fine Arts, including at least one-half of the required courses in the major.

i. Education Special Study Arrangements

Applied Studies

Eligible students in the Faculty of Education may earn up to five course credits through Applied Studies, designated by the numbers Education 2510 and Education 4980. The Applied Studies Program for the Faculty of Education is coordinated through the Coordinator of Applied Studies, Faculty of Arts and Science, in consultation with the Associate Dean, Faculty of Education.

Independent Study

A maximum of two Independent Studies may be completed in the B.Ed. portion of the B.A./B.Ed. or B.Sc./B.Ed. (see **Part 4 - Academic Regulations, Exceeding Course Limits, p. 66**).

Study Tours

Credit may be received for a maximum of two Study Tour courses (Education 4920). The Study Tours must be approved in advance by the Assistant Dean, Student Program Services, Faculty of Education.

4. BACHELOR OF FINE ARTS - ART/BACHELOR OF EDUCATION

The Faculties of Fine Arts and Education jointly offer a 50-course (150.0 credit hour) Combined Degrees program leading to the degrees Bachelor of Fine Arts - Art (B.F.A. - Art) and Bachelor of Education (B.Ed.). Upon successful completion of the Combined Degrees program, the student receives the B.F.A. - Art degree from the Faculty of Fine Arts and the B.Ed. degree from the Faculty of Education.

a. Admission

Students begin in the Pre-B.F.A. - Art/B.Ed. program in the Faculty of Fine Arts where they progress toward completion of Fine Arts degree requirements and prepare to meet the admission requirements for the Faculty of Education. After completion of the minimum admission requirements for the Faculty of Education, students may apply and, if accepted, be formally enrolled in the B.F.A. - Art/B.Ed. Combined Degrees program.

Students are not officially in the Combined Degrees program until they have been admitted to both the Faculty of Fine Arts and the Faculty of Education.

Applicants should consult **Part 1 – Admission** for general admission requirements, policies and deadlines.

- I. Faculty of Fine Arts Admission Requirements for the Pre-B.F.A. - Art/B.Ed. and B.F.A. - Art/B.Ed.

In addition to the general admission requirements outlined in **Part 1 – Admission**, applicants to the

Pre-B.F.A. - Art/B.Ed. and B.F.A. - Art/B.Ed. programs must submit a portfolio for consideration by the appropriate decision document deadline (see **Part 1 – Admission, p. 23**). Portfolio requirements are indicated below.

Enrolment in these programs is limited and admission is competitive; selections are made based on the following:

- a. Completed portfolio; and
- b. Academic proficiency, as demonstrated by grade achievement.

See Art Portfolio requirements Part 9 - Fine Arts, p. 166.

2. Faculty of Education Admission Requirements for the B.F.A. - Art/B.Ed.

Based on the Faculty's quota system, normally a total of 216 students will be admitted to Bachelor of Education programs (Combined Degrees and After Degree) each year. Admission for this undergraduate teacher preparation program is available in the fall term only.

Because admission to the Faculty is competitive within each teaching major, the completion of minimum admission requirements does not guarantee admission to the program. Successful applicants are selected each year from a pool that includes both Combined Degrees and After Degree applicants.

Applicants are encouraged to consult early with Student Program Services in the Faculty of Education regarding admission requirements and program planning.

Applicants must meet the following minimum requirements for admission to the Faculty of Education:

- a. Successful completion of a minimum of 20 University of Lethbridge transferable courses (60.0 credit hours), including the following:
 1. Education 2500 - Practicum I - Orientation to Teaching (or equivalent) including a favourable recommendation from the instructor (see **Part 8 - Education, Education 2500 Prerequisite, p. 157**).
 2. At least eight courses (24.0 credit hours) in Art, Art History, and/or Museum Studies.

Note: Students should consult with an academic advisor in the Faculty of Fine Arts for assistance planning the sequencing of their remaining B.F.A. - Art degree requirements after admission to the Faculty of Education.

- b. A minimum admission GPA of 2.50 (on the University of Lethbridge 4.00 scale), calculated on all University of Lethbridge and transferable courses taken within the terms containing the last 20 courses (60.0 credit hours). All courses must be graded with the exception of Education 2500.
- c. A minimum major cumulative GPA of 2.50 (on the University of Lethbridge 4.00 scale), calculated on all Art, Art History, and/or Museum Studies courses.

- d. **Special Case Admission**
Applicants who have a satisfactory academic record but who, for some reason, had a period of time when their performance was significantly lower may apply for Special Case admission (up to four such applicants may be admitted each year). See **Part 8 - Education, Special Case Admission (p. 154)** for details.

- e. **Admission Procedures Available to Students of Aboriginal Descent**

The Faculty of Education provides two alternative admission opportunities for applicants of Aboriginal descent. See **Part 8 - Education, Admission Procedures Available to Students of Aboriginal Descent (p. 154)** for details.

- f. **Returning after Withdrawal or Required Withdrawal from the Faculty of Education**
Students who withdrew or who were required to withdraw from the Faculty of Education should refer to **Part 8 - Education, Readmission after Withdrawal (p. 154)**.

b. Faculty of Fine Arts Requirements for the 50-Course (150.0 credit hours) B.F.A. - Art/B.Ed.

1. Completion of at least 30 courses (90.0 credit hours) from disciplines offered by the Faculty of Fine Arts or the Faculty of Arts and Science with a GPA of at least 2.00.
2. A minimum cumulative GPA of 2.50 on all Art, Art History, and/or Museum Studies courses.
3. Completion of the Liberal Education List Requirement (see **Part 4 - Academic Regulations, Liberal Education List Requirement, p. 79**).
4. Completion of at least eight Art, Art History, and/or Museum Studies courses (24.0 credit hours) at the 3000/4000 level.
5. A maximum of three Independent Studies (9.0 credit hours) (see **Part 4 - Academic Regulations, Exceeding Course Limits, p. 66**).
6. Not more than eight courses may be taken at the 0100/1000 level for credit toward the degree. Activity courses and courses numbered in the range 0520 to 0530 are exempted from this limit. Language courses are offered in the 0100-1990 range. Only the first course in the range counts toward this limit in the language subjects of French, German, Greek, Japanese, Latin and Spanish. Only one of Economics 1010 and Economics 1012 will be counted toward this limit. Only one of Biology 1010 and Biology 1020 will be counted toward this limit. Only one of Geography 1000 and Geography 1200 will be counted toward this limit (see **Part 4 - Academic Regulations, Exceeding Course Limits, p. 66**).

7. Required Art, Art History, and Museum Studies Courses:

Note: * = 6.0 credit hours

Art 2031 - Foundation Studio (Drawing and Image)

Art 2032 - Foundation Studio (Object and Space)

Art 3010 - Drawing (Principles and Practices)

*Art 3040 - Advanced Studio (6.0 credit hours)

*Art 4048 - Senior Studio (6.0 credit hours)

Art History 1000 - Introduction to Art
Art History 2001 - Contemporary Art Practices and Theories

Art History 2225 - A Brief History of World Art

One of (3.0 credit hours):

Art 3060 - Media Arts (Introduction to Digital Studio)

Art 3061 - Media Arts (Video Sketchbook)

One of (3.0 credit hours):

Art 3261 - Art NOW

Art 3262 - Art NOW

Art Studio: List I

Two of (6.0 credit hours):

Art 3005 - Print Media Without a Press OR

Art 3006 - Print Media With a Press

Art 3022 - Introduction to Painting

Art 3026 - Photo-Arts I

Art 3032 - Sculpture I

Art Studio: List II

Four of (12.0 credit hours):

Art 3007 - Advanced Print Media

Art 3011 - Drawing (Advanced)

Art 3015 - Art Studio (Series)

Art 3023 - Painting Studio: Material, Colour, Space

Art 3024 - Painting Studio: Painting in the Expanded Field

Art 3027 - Photo-Arts II

Art 3028 - Photo-Arts III

Art 3033 - Sculpture II

Art 3034 - Sculpture III

Art 3035 - Context and Environment

Art 3062 - Media Arts (Advanced Digital Studio)

Art 3160 - Drawing (The Body)

Art History: List A

One of (3.0 credit hours):

Art History 3200 - Issues in 19th-Century Art and Culture

Art History 3215 - 20th-Century Art History to 1945

Art History 3240 - Canadian Art History to 1960

Museum Studies 2900 - Introduction to Museum Studies

Art History: List B

One of (3.0 credit hours):

Art History 3220 - Art from 1945 to 1980

Art History 3245 - Canadian Art History from 1960 to the Present

Art History 3270 - Global Art Since 1980

Art History: List C

One of (3.0 credit hours):

Art History 3151 - Art History (Series)

Art History 3250 - Northwest Coast Art

Art History 3850 - Topics in Art History

Art History 4150 - Art History (Series)

Museum Studies 3850 - Topics in Museum Studies

Museum Studies 3900 - Exhibiting Cultures: Art Galleries, Museums and Cultures of Display

Museum Studies 4000 - Museum Studies Internship

One further course chosen from Art History Lists A, B, or C

c. Faculty of Education Requirements for the 50-Course (150.0 credit hours) B.F.A. - Art/B.Ed.

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 (Education 4574)
 - **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, some school jurisdictions and schools may require a criminal record check (or equivalent) from student teachers prior to practicum. The student is responsible for the cost of obtaining such documentation.

***The Education Foundation Requirement may be met in the following ways:*

 - a. One course from the following list:
 - Education 4310 - Comparative Studies of Education in Developed and Third World Nations
 - Education 4311 - World Issues and Problems in Education
 - Education 4320 - Education and Society from a Sociological Perspective
 - Education 4321 - Social Issues in Education
 - Education 4341 - Foundations of Multicultural Education in Canada
 - Education 4360 - Studies in the History of Western Education
 - Education 4361 - History of Canadian Education
 - Education 4362 - Concepts of Childhood in the History of Education
 - Education 4380 - Developing a Philosophy of Education
 - Education 4381 - Ethics of Teaching
 - Education 4391 - Seminar in Educational Foundations (Series)
 - b. One appropriate Independent Study.
3. Maintain a program GPA of 2.50 in Education courses.
4. Completion of the appropriate Education major as defined by the program.
5. Maintenance of a program GPA of 2.50 in the appropriate Education major.
6. Completion of the Liberal Education List Requirement (see **Part 4 - Academic Regulations, Liberal Education List Requirement, p. 79**).

d. Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

e. Academic Regulations

In the Combined Degrees program, students divide their time between two different Faculties which measure different standards of academic performance. Students should read the academic regulations for each Faculty in which a portion of the Combined Degrees will be taken. For the B.F.A. - Art/B.Ed., students should be aware of the Education regulations (**Part 8**) and Fine Arts regulations (**Part 9**).

f. Education Minor Requirements

Students may elect to complete a minor in addition to a major. The minor must be a school subject and include five non-Education courses and an appropriate Education Methods course, usually selected from the Education 3700 Series. Students are eligible to receive an endorsement on their official transcripts upon completion of a minor. Please refer to **Part 8 - Education, Education Minors (p. 159)** for information on Education minor requirements.

g. Residence Requirement

Students must complete a minimum of 30 courses (90.0 credit hours) at the University of Lethbridge, including 15 Education courses, and 15 courses offered by the Faculty of Fine Arts or the Faculty of Arts and Science, including a minimum of seven courses in Art, Art History, and/or Museum Studies. Students should note that the residence requirement for the B.F.A. - Art/B.Ed. is subject to the Faculty of Fine Arts transfer policy. If a student withdraws from the B.F.A. - Art/B.Ed. and is admitted to a program offered by the Faculty of Arts and Science, transfer credit will be reassessed based on the Faculty of Arts and Science transfer policy.

h. Education Special Study Arrangements

Applied Studies

Eligible students in the Faculty of Education may earn up to five course credits through Applied Studies, designated by the numbers Education 2510 and Education 4980. The Applied Studies program for the Faculty of Education is coordinated through the Coordinator of Applied Studies, the Faculty of Arts and Science, in consultation with the Associate Dean, Faculty of Education.

Independent Study

A maximum of two Independent Studies may be completed in the B.Ed. portion of the B.F.A. - Art/B.Ed. (see **Part 4 - Academic Regulations, Exceeding Course Limits, p. 66**).

Study Tours

Credit may be received for a maximum of two Study Tour courses (Education 4920). The Study Tours must be approved in advance by the Assistant Dean, Student Program Services, Faculty of Education (see Student Program Services for policies and procedures governing Study Tours).

5. BACHELOR OF FINE ARTS - DRAMATIC ARTS/ BACHELOR OF EDUCATION

The Faculties of Fine Arts and Education jointly offer a 50-course (150.0 credit hour) Combined Degrees program leading to the degrees Bachelor of Fine Arts - Dramatic Arts (B.F.A. - Dramatic Arts) and Bachelor of Education (B.Ed.). Upon successful completion of the Combined Degrees program, the student receives the B.F.A. - Dramatic Arts degree from the Faculty of Fine Arts and the B.Ed. degree from the Faculty of Education.

a. Admission

Students begin in the Pre-B.F.A. - Dramatic Arts/B.Ed. program in the Faculty of Fine Arts, where they progress toward completion of Fine Arts degree requirements and prepare to meet the admission requirements for the Faculty of Education. After completion of the minimum admission requirements for the Faculty of Education, students may apply and, if accepted, be formally enrolled in the B.F.A. - Dramatic Arts/B.Ed. Combined Degrees program.

Students are not officially in the Combined Degrees program until they have been admitted to both the Faculty of Fine Arts and the Faculty of Education.

Applications are accepted for the Pre-B.F.A. — Dramatic Arts/B.Ed. and B.F.A. — Dramatic Arts/B.Ed. programs for the fall term only. Applicants should consult **Part I – Admission** for general admission requirements, policies and deadlines.

1. Faculty of Fine Arts Admission Requirements for the Pre-B.F.A. — Dramatic Arts/B.Ed and B.F.A. — Dramatic Arts/B.Ed.

Applicants to the Pre-B.F.A. — Dramatic Arts/B.Ed. and B.F.A. — Dramatic Arts/B.Ed. programs must meet the general admission requirements outlined in **Part I – Admission**.

The Pre-B.F.A. — Dramatic Arts/B.Ed. and B.F.A. — Dramatic Arts/B.Ed. accepts applications for fall admission only.

Enrolment in these programs is limited and admission is competitive; selections are made based on academic proficiency, as demonstrated by grade achievement.

2. Faculty of Education Admission Requirements for the B.F.A. - Dramatic Arts/B.Ed.

Based on the Faculty's quota system, normally a total of 216 students in all programs will be admitted to Bachelor of Education programs (Combined Degrees and After Degree) each year. Admission for this undergraduate teacher preparation program is available in the fall term only.

Because admission to the Faculty is competitive within each teaching major, the completion of minimum admission requirements does not guarantee admission to the program. Successful applicants are selected each year from a pool that includes both Combined Degrees and After Degree applicants.

Applicants are encouraged to consult early with Student Program Services in the Faculty of Education regarding admission requirements and program planning.

Applicants must meet the following minimum requirements for admission to the Faculty of Education:

- a. Successful completion of a minimum of 20 University of Lethbridge or transferable courses (60.0 credit hours), including the following:

1. Education 2500 - Practicum I - Orientation to Teaching (or equivalent) including a favourable recommendation from the instructor (see **Part 8 - Education, Education 2500 Prerequisite, p. 157**).

2. At least eight courses (24.0 credit hours) in Dramatic Arts

Note: Students should consult with an academic advisor in the Faculty of Fine Arts for assistance planning the sequencing of their remaining B.F.A. — Dramatic Arts degree requirements after admission to the Faculty of Education.

- b. A minimum admission GPA of 2.50 (on the University of Lethbridge 4.00 scale), calculated on all University of Lethbridge and transferable courses taken within the terms containing the last 20 courses (60.0 credit hours). All courses must be graded with the exception of Education 2500.
- c. A minimum major GPA of 2.50 (on the University of Lethbridge 4.00 scale), calculated on all Dramatic Arts courses.
- d. Special Case Admission
Applicants who have a satisfactory academic record but who, for some reason, had a period of time when their performance was significantly lower may apply for Special Case admission (up to four such applicants may be admitted each year). See **Part 8 - Education, Special Case Admission (p. 154)** for details.
- e. Admission Procedures Available to Students of Aboriginal Descent
The Faculty of Education provides two alternative admission opportunities for applicants of Aboriginal descent. See **Part 8 - Education, Admission Procedures Available to Students of Aboriginal Descent (p. 154)** for details.
- f. Returning after Withdrawal or Required Withdrawal from the Faculty of Education
Students who withdrew or who were required to withdraw from the Faculty of Education should refer to **Part 8 - Education, Readmission after Withdrawal (p. 154)**.

b. Faculty of Fine Arts Requirements for the 50-Course B.F.A. - Dramatic Arts/B.Ed.

1. Completion of at least 30 courses (90.0 credit hours) from disciplines offered by the Faculty of Fine Arts or the Faculty of Arts and Science with a GPA of at least 2.00.
2. A minimum cumulative GPA of 2.50 on all Drama courses.
3. Completion of the Liberal Education List Requirement (see **Part 4 - Academic Regulations, Liberal Education List Requirement, p. 79**).
4. Completion of at least 10 Drama courses at the 3000/4000 level.
5. A maximum of three Independent Studies (9.0 credit hours) (see **Part 4 - Academic Regulations, Exceeding Course Limits, p. 66**).
6. Not more than eight courses may be taken at the 0100/1000 level for credit toward the degree. Activity courses and courses numbered in the range of 0520 to 0530 are exempted from this limit. Language courses are offered in the 0100-1990 range. Only the first course in the range counts toward this limit in the language subjects of French, German, Greek, Japanese, Latin and Spanish. Only one of Economics 1010 and Economics 1012 will be counted toward this limit. Only one of Biology 1010 and Biology 1020 will be counted toward this limit.

Only one of Geography 1000 and Geography 1200 will be counted toward this limit (see **Part 4 - Academic Regulations, Exceeding Course Limits, p. 66**).

Required courses:

- Drama 1000 - Introduction to Dramatic Arts
- Drama 2010 - Performance Fundamentals
- Drama 2100 - Play Reading and Analysis
- Drama 2120 - History and Development of Theatre I
- Drama 2130 - History and Development of Theatre II
- Drama 2310 - Acting I
- Drama 2420 - Directing I
- Drama 2611 - Technical Theatre Portfolio I
- Drama 2810 - Introduction to Stagecraft
- Drama 3100 - Theatre in Performance
- Drama 3420 - Directing II
- Drama 3600 - Drama Portfolio II

One of:

- Drama 2320 - Voice I
- Drama 2340 - Movement I
- Drama 2510 - Theatre for Young Audiences I
- Drama 2740 - Theatre Creation I
- Drama 2830 - Stage Makeup

One of:

- Drama 3130 - Canadian Theatre
- Drama 3151 - Play Reading and Analysis II

Seven elective Drama courses (24.0 credit hours) including six at the 3000/4000 level

One Elective (3.0 credit hours) from any Faculty

c. Faculty of Education Requirements for the 50-Course B.F.A. - Dramatic Arts/B.Ed.

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 (Education 4574)
 - **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, some school jurisdictions and schools may require a criminal record check (or equivalent) from student teachers prior to practicum. The student is responsible for the cost of obtaining such documentation.

***The Education Foundation Requirement may be met in the following ways:*

 - a. One course from the following list:
 - Education 4310 - Comparative Studies of Education in Developed and Third World Nations
 - Education 4311 - World Issues and Problems in Education
 - Education 4320 - Education and Society from a Sociological Perspective
 - Education 4321 - Social Issues in Education
 - Education 4341 - Foundations of Multicultural Education in Canada
 - Education 4360 - Studies in the History of Western Education
 - Education 4361 - History of Canadian Education
 - Education 4362 - Concepts of Childhood in the History of Education
 - Education 4380 - Developing a Philosophy of Education

Education 4381 - Ethics of Teaching
Education 4391 - Seminar in Educational Foundations (Series)

b. One appropriate Independent Study.

3. Maintain a program GPA of 2.50 in Education courses.
4. Completion of the appropriate Education major as defined by the program.
5. Maintenance of a program GPA of 2.50 in the appropriate Education major.
6. Completion of the Liberal Education List Requirement (see **Part 4 - Academic Regulations, Liberal Education List Requirement, p. 79**).

d. Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

e. Academic Regulations

In the Combined Degrees program, students divide their time between different Faculties which measure different standards of academic performance. Students should read the academic regulations for each Faculty in which a portion of the Combined Degrees will be taken. For the B.F.A. - Dramatic Arts/B.Ed., students should be aware of the Education regulations (**Part 8**) and Fine Arts regulations (**Part 9**).

f. Education Minor Requirements

Students may elect to complete a minor in addition to a major. The minor must be a school subject and include five non-Education courses and an appropriate Education Methods course, usually selected from the Education 3700 Series. Students are eligible to receive an endorsement on their official transcripts upon completion of a minor. Please refer to **Part 8 - Education, Education Minors (p. 159)** for information on Education minor requirements.

g. Residence Requirement

Students must complete a minimum of 30 courses at the University of Lethbridge, including 15 Education courses, and 15 courses offered by the Faculty of Fine Arts or the Faculty of Arts and Science, including a minimum of seven courses in Drama. Students should note that the residence requirement for the B.F.A. - Dramatic Arts/B.Ed. is subject to the Faculty of Fine Arts transfer policy. If a student withdraws from the B.F.A. - Dramatic Arts/B.Ed. and is admitted to a program offered by the Faculty of Arts and Science, transfer credit will be reassessed based on the Faculty of Arts and Science transfer policy.

h. Education Special Study Arrangements

Applied Studies

Eligible students in the Faculty of Education may earn up to five course credits through Applied Studies, designated by the numbers Education 2510 and Education 4980. The Applied Studies program for the Faculty of Education is coordinated through the Coordinator of Applied Studies, Faculty of Arts and Science, in consultation with the Associate Dean, Faculty of Education.

Independent Study

A maximum of two Independent Studies may be completed in the B.Ed. portion of the B.F.A. - Dramatic Arts/B.Ed (see **Part 4 - Academic Regulations, Exceeding Course Limits, p. 66**).

Study Tours

Credit may be received for a maximum of two Study Tour courses (Education 4920). The Study Tours must be approved in advance by the Assistant Dean, Student Program Services, Faculty of Education (see Student Program Services for policies and procedures governing Study Tours).

6. BACHELOR OF FINE ARTS - NEW MEDIA/ BACHELOR OF EDUCATION

The Faculties of Fine Arts and Education jointly offer a 50-course (150.0 credit hour) Combined Degrees program leading to the degrees Bachelor of Fine Arts - New Media (B.F.A. - New Media) and Bachelor of Education (B.Ed.). Upon successful completion of the Combined Degrees program, the student receives the B.F.A. - New Media degree from the Faculty of Fine Arts and the B.Ed. degree from the Faculty of Education.

a. Admission

Students begin in the Pre-B.F.A. - New Media/B.Ed. program in the Faculty of Fine Arts, where they progress toward completion of Fine Arts degree requirements and prepare to meet the admission requirements for the Faculty of Education. After completion of the minimum admission requirements for the Faculty of Education, students may apply and, if accepted, be formally enrolled in the B.F.A. - New Media/B.Ed. Combined Degrees program.

Students are not officially in the Combined Degrees program until they have been admitted to both the Faculty of Fine Arts and the Faculty of Education.

Applications are accepted for the Pre-B.F.A. - New Media/B.Ed. and B.F.A. - New Media/B.Ed. programs for the fall term only. Applicants should consult **Part I – Admission** for general admission requirements, policies and deadlines.

- I. Faculty of Fine Arts Admission Requirements for the Pre-B.F.A. - New Media/B.Ed. and B.F.A. - New Media/B.Ed.

In addition to the general admission requirements outlined in **Part I – Admission**, applicants to the Pre-B.F.A. - New Media/B.Ed. and B.F.A. - New Media/B.Ed. programs must submit a portfolio for consideration by the appropriate decision document deadline (see **Part I – Admission, p. 23**). Portfolio requirements are indicated below.

The Pre-B.F.A. - New Media/B.Ed. and B.F.A. - New Media/B.Ed. accepts applications for fall admission only.

Enrolment in these programs is limited and admission is competitive; selections are made based on the following:

- a. Completed portfolio (or essay alternative), and Summary Questionnaire; and
- b. Academic proficiency, as demonstrated by grade achievement.

New Media Portfolio Content

Please submit 10-20 current examples that provide a good representation of your Fine Arts interests and skills. Examples can be submitted in any or all of these areas:

Art

Can include, but is not limited to, photographs, sculptures, paintings, drawings, printmaking and ceramics.

Theatre/Drama

Collection of images (reviews, photos, programs), video or audio tapes—do not send originals.

Music

Audio or video of your performance or copies of your compositions.

New Media

Can include, but is not limited to, computer generated still images, moving images (video or animation) or design (minimum of 10).

Essay Option

Applicants who may not have access to the necessary technology may submit an essay in place of a portfolio. The essay should discuss or explain your definition of new media and its importance to your professional development. Length: approximately 750 words. Be sure to include your name and contact information.

Summary Questionnaire:

Past: What aspects of your background prepare you for a university New Media degree program with a creative focus?

Present: The B.F.A. - New Media program requires an extraordinary commitment of time and energy. Explain why you feel you are prepared to make this commitment at this time in your life.

Future: What do you hope to learn from the New Media program?

Portfolio and Summary Questionnaire Review Dates

Portfolio submissions will be reviewed according to the following schedule:

December 15 - early evaluation

March 15 - regular evaluation

June 15 - final deadline for submission and final evaluation

Portfolio and Summary Questionnaire Submission:

Portfolios (or essay alternative) and summary questionnaires are submitted online at:

www.ulethbridge.slideroom.com

For more information, visit the Faculty of Fine Arts website at www.uleth.ca/finearts/admissions, contact the Faculty of Fine Arts Admissions and Portfolio Advisor at 403-380-1864, or email finearts.admissions@uleth.ca.

2. Faculty of Education Admission Requirements for the B.F.A. - New Media/B.Ed.

Based on the Faculty's quota system, normally a total of 216 students in all programs will be admitted to Bachelor of Education programs (Combined Degrees and After Degree) each year. Admission for

this undergraduate teacher preparation program is available in the fall term only.

Because admission to the Faculty is competitive within each teaching major, the completion of minimum admission requirements does not guarantee admission to the program. Successful applicants are selected each year from a pool that includes both Combined Degrees and After Degree applicants.

Applicants are encouraged to consult early with Student Program Services in the Faculty of Education regarding admission requirements and program planning.

Applicants must meet the following minimum requirements for admission to the Faculty of Education:

- a. Successful completion of a minimum of 20 University of Lethbridge or transferable courses (60.0 credit hours), including the following:
 1. Education 2500 - Practicum I - Orientation to Teaching(or equivalent) including a favourable recommendation from the instructor (see **Part 8 - Education, Education 2500 Prerequisite, p. 154**).
 2. At least eight courses (24.0 credit hours) in New Media.

Note: *Students should consult with an academic advisor in the Faculty of Fine Arts for assistance planning the sequencing of their remaining B.F.A. – New Media degree requirements after admission to the Faculty of Education.*
- b. A minimum admission GPA of 2.50 (on the University of Lethbridge 4.00 scale), calculated on all University of Lethbridge and transferable courses taken within the terms containing the last 20 courses (60.0 credit hours). All courses must be graded with the exception of Education 2500.
- c. A minimum major GPA of 2.50 (on the University of Lethbridge 4.00 scale), calculated on all New Media courses.
- d. Special Case Admission
Applicants who have a satisfactory academic record but who, for some reason, had a period of time when their performance was significantly lower may apply for Special Case admission (up to four such applicants may be admitted each year). See **Part 8 - Education, Special Case Admission (p. 154)** for details.
- e. Admission Procedures Available to Students of Aboriginal Descent
The Faculty of Education provides two alternative admission opportunities for applicants of Aboriginal descent. See **Part 8 - Education, Admission Procedures Available to Students of Aboriginal Descent (p. 154)** for details.
- f. Returning after Withdrawal or Required Withdrawal from the Faculty of Education
Students who withdrew or who were required to withdraw from the Faculty of Education should refer to **Part 8 - Education, Readmission after Withdrawal (p. 154)**.

b. Faculty of Fine Arts Requirements for the 50-Course (150.0 credit hours) B.F.A. - New Media/ B.Ed.

1. Completion of at least 30 courses (90.0 credit hours) from disciplines offered by the Faculty of Fine Arts or the Faculty of Arts and Science with a GPA of at least 2.00.
 2. A minimum cumulative GPA of 2.50 on all New Media courses.
 3. Completion of the Liberal Education List Requirement (see **Part 4 - Academic Regulations, Liberal Education List Requirement, p. 79**).
 4. Completion of at least eight New Media courses (24.0 credit hours) at the 3000/4000 level.
 5. A maximum of three Independent Studies (9.0 credit hours) (see **Part 4 - Academic Regulations, Exceeding Course Limits, p. 66**).
 6. Not more than eight courses may be taken at the 0100/1000 level for credit toward the degree. Activity courses and courses numbered in the range of 0520 to 0530 are exempted from this limit. Language courses are offered in the 0100-1990 range. Only the first course in the range counts toward this limit in the language subjects of French, German, Greek, Japanese, Latin and Spanish. Only one of Economics 1010 and Economics 1012 will be counted toward this limit. Only one of Biology 1010 and Biology 1020 will be counted toward this limit. Only one of Geography 1000 and Geography 1200 will be counted toward this limit (see **Part 4 - Academic Regulations, Exceeding Course Limits, p. 66**).
 7. **Required Courses:**
 - Art 2031 - Foundation Studio (Drawing and Image)
 - Art 2032 - Foundation Studio (Object and Space)
 - Cinema 1000 - Introduction to Cinema Studies
 - New Media 1000 - Introduction to New Media
 - New Media 2005 - Design Fundamentals for New Media
 - New Media 2010 - Visual Communications for New Media
 - New Media 2030 - Digital Video Production
 - New Media 2150 - History and Theory of New Media
 - New Media 3030 - 3-D Computer Modelling and Animation
 - New Media 3150 - Seminar in New Media Studies
 - New Media 3380 - Programming for Artists
 - New Media 3420 - Narrative for New Media
 - New Media 3520 - Web Design and Development
 - New Media 3680 - Interaction Design
 - New Media 3900 - Portfolio and Professional Practice
- Five of:**
- Art 3060 - Media Arts (Introduction to Digital Studio)
 - Art 3061 - Media Arts (Video Sketchbook)
 - Cinema 3010 - Cinematography and Lighting
 - Cinema 3110 - Postproduction and Visual Effects
 - Cinema 3810 - Expanded Cinema
 - Cinema 4010 - Narrative Production Technique
 - Cinema 4420 - Screenwriting

Cinema 4820 - Writing for Comedy
 New Media 3040 - Colour Theory and Digital Photo Manipulation
 New Media 3310 - Game Design: Theory and Practice
 New Media 3640 - Character Animation I
 New Media 3700 - Event and Exhibition Design
 New Media 3720 - The Dynamic Web
 New Media 3820 - Information Design
 New Media 4520 - Advanced Web Design
 New Media 4830 - Theory and Practice of Motion Capture
 Music 2500 - Introduction to Music Technology
 Art Studio Elective

Two of:

Cinema 3000 - Contemporary American Cinema
 Cinema 3001 - Film Authorship
 Cinema 3200 - Film Genres (Series)
 Cinema 3550 - History of Animation
 New Media 3250 - Media, Advertising, and Consumer Culture
 New Media 3300 - Theory and Aesthetics of Digital Games
 New Media 3560 - Popular Narrative
 New Media 3650 - Modern Media, War and Propaganda

c. Faculty of Education Requirements for the 50-Course (150.0 credit hours) B.F.A. - New Media/ B.Ed.

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 (Education 4574)
 **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, some school jurisdictions and schools may require a criminal record check (or equivalent) from student teachers prior to practicum. The student is responsible for the cost of obtaining such documentation.

***The Education Foundation Requirement may be met in the following ways:*

- a. One course from the following list:
 Education 4310 - Comparative Studies of Education in Developed and Third World Nations
 Education 4311 - World Issues and Problems in Education
 Education 4320 - Education and Society from a Sociological Perspective
 Education 4321 - Social Issues in Education
 Education 4341 - Foundations of Multicultural Education in Canada
 Education 4360 - Studies in the History of Western Education
 Education 4361 - History of Canadian Education
 Education 4362 - Concepts of Childhood in the History of Education
 Education 4380 - Developing a Philosophy of Education
 Education 4381 - Ethics of Teaching
 Education 4391 - Seminar in Educational Foundations (Series)
- b. One appropriate Independent Study.

3. Maintain a program GPA of 2.50 in Education courses.
4. Completion of the appropriate Education major as defined by the program.
5. Maintenance of a program GPA of 2.50 in the appropriate Education major.
6. Completion of the Liberal Education List Requirement (see **Part 4 - Academic Regulations, Liberal Education List Requirement, p. 79**).

d. Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

e. Academic Regulations

In the Combined Degrees program, students divide their time between two different Faculties which measure different standards of academic performance. Students should read the academic regulations for each Faculty in which a portion of the Combined Degrees will be taken. For the B.F.A. - New Media/B.Ed., students should be aware of the Education regulations (**Part 8**) and Fine Arts regulations (**Part 9**).

f. Education Minor Requirements

Students may elect to complete a minor in addition to a major. The minor must be a school subject and include five non-Education courses and an appropriate Education Methods course, usually selected from the Education 3700 Series. Students are eligible to receive an endorsement on their official transcripts upon completion of a minor. Please refer to **Part 8 - Education, Education Minors (p. 159)** for information on Education minor requirements.

g. Residence Requirement

Students must complete a minimum of 30 courses (90.0 credit hours) at the University of Lethbridge, including 15 Education courses, and 15 courses offered by the Faculty of Fine Arts or the Faculty of Arts and Science, including a minimum of seven courses in New Media. Students should note that the residence requirement for the B.F.A. - New Media/B.Ed. is subject to the Faculty of Fine Arts transfer policy.

h. Education Special Study Arrangements

Applied Studies

Eligible students in the Faculty of Education may earn up to five course credits through Applied Studies, designated by the numbers Education 2510 and Education 4980. The Applied Studies program for the Faculty of Education is coordinated through the Coordinator of Applied Studies, the Faculty of Arts and Science, in consultation with the Associate Dean, Faculty of Education.

Independent Study

A maximum of two Independent Studies may be completed in the B.Ed. portion of the B.F.A. - New Media/ B.Ed. (see **Part 4 - Academic Regulations, Exceeding Course Limits, p. 66**).

Study Tours

Credit may be received for a maximum of two Study Tour courses (Education 4920). The Study Tours must be approved in advance by the Assistant Dean, Student Program Services, Faculty of Education (see Student Program Services for policies and procedures governing Study Tours).

7. BACHELOR OF MUSIC/BACHELOR OF EDUCATION

The Faculties of Fine Arts and Education jointly offer a 52-course (156.0 credit hour) Combined Degrees program leading to the degrees Bachelor of Music (B.Mus.) and Bachelor of Education (B.Ed.). Upon successful completion of the Combined Degrees program, the student receives the B.Mus. degree from the Faculty of Fine Arts and the B.Ed. degree from the Faculty of Education.

a. Admission

Students begin in the Pre-B.Mus./B.Ed. program in the Faculty of Fine Arts, where they progress toward completion of Fine Arts degree requirements and prepare to meet the admission requirements for the Faculty of Education. After completion of the minimum admission requirements for the Faculty of Education, students may apply and, if accepted, be formally enrolled in the B.Mus./B.Ed. Combined Degrees program.

Students are not officially in the Combined Degrees program until they have been admitted to both the Faculty of Fine Arts and the Faculty of Education.

Applications are accepted for the Pre-B.Mus./B.Ed. and B.Mus./B.Ed. programs for the fall term only. Applicants should consult **Part I – Admission** for general admission requirements, policies and deadlines.

I. Faculty of Fine Arts Admission Requirements for the Pre-B.Mus./B.Ed. and B.Mus./B.Ed.

In addition to the general admission requirements outlined in **Part I – Admission**, applicants to the Pre-B.Mus./B.Ed. and B.Mus./B.Ed. programs must successfully audition for Music Studio by the appropriate decision document deadline (see **Part I – Admission, p. 23**). Audition procedures are indicated below.

Enrolment in these programs is limited and admission is competitive; selections are made based on the following:

- a. Successful audition; and
- b. Academic proficiency, as demonstrated by grade achievement.

Music Audition Information

Instrumental and vocal auditions are held in February and March for fall admission. Although a live audition is highly preferred, it is possible to submit an audition video to SlideRoom (www.ulethbridge.slideroom.com) by the decision document deadline.

Note: Some entrance scholarships are available based on live auditions and completing the appropriate scholarship application form by the deadline (Early entrance - March 1, others - June 1).

Audition dates and additional information:

www.uleth.ca/finearts/departments/music/studio-audition-requirements

Audition application:

www.uleth.ca/finearts/departments/music/studio-audition-application

Instrumental and vocal auditions must be accompanied unless the piece is written as an unaccompanied solo. Applicants are encouraged to supply the accompanist. If that is not possible, please call 403-329-2495 at least two weeks prior to the scheduled audition.

Students who wish an emphasis in composition must:

- a. Successfully complete an instrumental or vocal audition at the entry level for Music 2148 - Studio 1 - (Instrument); and
- b. Successfully complete a composition audition.

Requests for a specific studio instructor should be made at the time of the audition. Every effort will be made to accommodate the request, but final assignment of instructors rests with the Department of Music.

For more information, visit the Faculty of Fine Arts website at www.uleth.ca/finearts/admissions, contact the Faculty of Fine Arts Admissions and Portfolio Advisor at 403-380-1864, or email finearts.admissions@uleth.ca.

2. Faculty of Education Admission Requirements for the B.Mus./B.Ed.

Based on the Faculty's quota system, normally a total of 216 students will be admitted to Bachelor of Education programs (Combined Degrees and After Degree) each year. Admission for this undergraduate teacher preparation program is available in the fall term only.

Because admission to the Faculty is competitive within each teaching major, the completion of minimum admission requirements does not guarantee admission to the program. Successful applicants are selected each year from a pool that includes both Combined Degrees and After Degree applicants.

Applicants are encouraged to consult early with Student Program Services in the Faculty of Education regarding admission requirements and program planning.

Applicants must meet the following minimum requirements for admission to the Faculty of Education:

- a. Successful completion of a minimum of 20 University of Lethbridge or transferable courses (60.0 credit hours), including the following:
 1. Education 2500 - Practicum I - Orientation to Teaching (or equivalent), including a favourable recommendation from the instructor (see **Part 8 - Education, Education 2500 Prerequisite (p. 157)**).
 2. Completion of a minimum of eight courses (24.0 credit hours) in Music and/or Music Ensemble Activities.

Note: Students should consult with an academic advisor in the Faculty of Fine Arts for assistance planning the sequencing of their remaining B.Mus. degree requirements after admission to the Faculty of Education.

- b. A minimum admission GPA of 2.50 (on the University of Lethbridge 4.00 scale), calculated on all University of Lethbridge and transferable courses taken within the terms containing the last 20 courses (60.0 credit hours). All courses must be graded with the exception of Education 2500.
- c. A minimum major GPA of 2.50 (on the University of Lethbridge 4.00 scale), calculated on all Music and Music Ensemble Activity courses.

- d. Special Case Admission

Applicants who have a satisfactory academic record but who, for some reason, had a period of time when their performance was significantly lower may apply for Special Case admission (up to four such applicants may be admitted each year). See **Part 8 - Education, Special Case Admission (p. 154)** for details.

- e. Admission Procedures Available to Students of Aboriginal Descent

The Faculty of Education provides two alternative admission opportunities for applicants of Aboriginal descent. See **Part 8 - Education, Admission Procedures Available to Students of Aboriginal Descent (p. 154)** for details.

- f. Returning after Withdrawal or Required Withdrawal from the Faculty of Education

Students who withdrew or who were required to withdraw from the Faculty of Education should refer to **Part 8 - Education, Readmission after Withdrawal (p. 154)**.

b. Faculty of Fine Arts Requirements for the 52-Course B.Mus./B.Ed.

1. Completion of at least 32 courses (96.0 credit hours) from disciplines offered by the Faculty of Fine Arts or the Faculty of Arts and Science with a GPA of at least 2.00.
2. A minimum cumulative GPA of 2.50 on all Music courses.
3. Completion of the Liberal Education List Requirement (see **Part 4 - Academic Regulations, Liberal Education List Requirement, p. 79**).

4. Completion of at least 12 Music courses at the 3000/4000 level.
5. A maximum of three Independent Studies (see **Part 4 - Academic Regulations, Exceeding Course Limits, p. 66**).

6. Not more than eight courses may be taken at the 0100/1000 level for credit toward the degree. Activity courses and courses numbered in the range of 0502 to 0530 are exempted from this limit. Language courses are offered in the 0100-1990 range. Only the first course in the range counts toward this limit in the language subjects of French, German, Greek, Japanese, Latin and Spanish. Only one of Economics 1010 and Economics 1012 will be counted toward this limit. Only one of Biology 1010 and Biology 1020 will be counted toward this limit. Only one of Geography 1000 and Geography 1200 will be counted toward this limit (see **Part 4 - Academic Regulations, Exceeding Course Limits, p. 66**).

7. Required courses:

Applied

- Music 2148 - Studio I - (Instrument)
- Music 2248 - Studio II - (Instrument)
- Music 3348 - Studio III - (Instrument)
- Music 3448 - Studio IV - (Instrument)
- Music 3548 - Studio V - (Instrument)
- Music 3648 - Studio VI - (Instrument)

Note: Composition is not available as a Studio area in the B.Mus./B.Ed.

History

- Music 2080 - Western Art Music
- Music 2090 - The Eighteenth Century
- Music 3090 - The Medieval Era to the Early Baroque
- Music 3480 - The Nineteenth Century
- Music 3580 - The Twentieth and Twenty-first Centuries

Theory

- Music 2160 - Theory I
- *Music 2161 - Musicianship Skills I
- Music 2260 - Theory II
- *Music 2261 - Musicianship Skills II
- Music 3360 - Theory III
- *Music 3361 - Musicianship Skills III
- Music 3460 - Theory IV
- *Music 3461 - Musicianship Skills IV

* 1.5 credit hours.

Conducting

- Music 3500 - Conducting I
- Music 3600 - Conducting II

Technology

- Music 3738 - Music Education Technologies

Ensembles

Six Ensemble Activity courses (Each Music Ensemble Activity counts as one-half course (i.e., 1.5 credit hours))

Note: Music Ensemble Activity participation is determined by the focus of the Music major and must be fulfilled as follows:

Major Focus Music Ensemble Activity

- Studio wind & percussion
- Wind Orchestra

Studio voice University Singers or Women's Chorus

Studio pianist & guitarist Music Ensemble Activity 2450, Music Ensemble Activity 2451, Music Ensemble Activity 3450, Music Ensemble Activity 3451, and a minimum of two terms (1.5 credit hours each) of:

Contemporary and Electroacoustics Ensemble

Jazz Ensemble

Percussion Ensemble

University Singers

Vox Musica

Wind Orchestra

Women's Chorus

Studio string Orchestra (or through other approved ensemble or Independent Study by permission of the Department of Music)

Not more than two Music Ensemble Activities may be counted toward the Ensemble participation requirement in a given term.

Elective

One of:

- Music 2500 - Introduction to Music Technology
- Music 2850 - Topics in Music
- Music 3000 - Seminar in Music (Series) with an emphasis on History
- Music 3000 - Seminar in Music (Series) with an emphasis on Literature
- Music 3000 - Seminar in Music (Series) with an emphasis on Pedagogy
- Music 3000 - Seminar in Music (Series) with an emphasis on Theory
- Music 3030 - Film Music
- Music 3080 - Popular Music History (Series)
- Music 3149 - Composition I
- Music 3606 - Orchestration
- Music 3660 - Theory V
- Music 3721 - World Music
- Music 3734 - Portfolio and Music Industry
- Music 3850 - Topics in Music
- Music 3871 - Opera Workshop I
- Music 4080 - Music After 1945
- Music 4660 - Form and Analysis
- Music 4721 - Canadian Music
- Music 4748 - Studio VII - (Instrument)
- Music 4850 - Topics in Music
- Two Music Ensemble Activity courses (1.5 credit hours each)

c. Faculty of Education Requirements for the 52-Course B.Mus./B.Ed.

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 (Education 4575)
 - **One Education Foundation courseTwo Education (Music) electives from the following:
 - Education 3871 - Elementary Music Classroom

Education 3872 - Secondary Music Classroom
Education 3875 - Brass and Percussion Methods
Education 3876 - Woodwind and String Methods
Education 3877 - Vocal and Classroom Instruments Methods

One Education (Fine Arts/Music) elective from the following:

Education 3871 - Elementary Music Classroom
Education 3872 - Secondary Music Classroom
Education 3875 - Brass and Percussion Methods
Education 3876 - Woodwind and String Methods
Education 3877 - Vocal and Classroom Instruments Methods
Education 3700 - Applied Principles of Curriculum and Instruction for Non-Majors (Series) (Art)
Education 3700 - Applied Principles of Curriculum and Instruction for Non-Majors (Series) (Drama)

*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, some school jurisdictions and schools may require a criminal record check (or equivalent) from student teachers prior to practicum. The student is responsible for the cost of obtaining such documentation.

**The Education Foundation Requirement may be met in the following ways:

- a. One course from the following list:
 - Education 4310 - Comparative Studies of Education in Developed and Third World Nations
 - Education 4311 - World Issues and Problems in Education
 - Education 4320 - Education and Society from a Sociological Perspective
 - Education 4321 - Social Issues in Education
 - Education 4341 - Foundations of Multicultural Education in Canada
 - Education 4360 - Studies in the History of Western Education
 - Education 4361 - History of Canadian Education
 - Education 4362 - Concepts of Childhood in the History of Education
 - Education 4380 - Developing a Philosophy of Education
 - Education 4381 - Ethics of Teaching
 - Education 4391 - Seminar in Educational Foundations (Series)
 - b. One appropriate Independent Study.
3. Maintain a program GPA of 2.50 in Education courses.
 4. Completion of the appropriate Education major as defined by the program.
 5. Maintenance of a program GPA of 2.50 in the appropriate Education major.
 6. Completion of the Liberal Education List Requirement (see **Part 4 - Academic Regulations, Liberal Education List Requirement, p. 79**).

d. Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

e. Academic Regulations

In the Combined Degrees program, students divide their time between different Faculties which measure different standards of academic performance. Students should read the academic regulations for each Faculty in which a portion of the Combined Degrees will be taken. For the B.Mus./B.Ed., students should be aware of the Education regulations (**Part 8**) and Fine Arts regulations (**Part 9**).

f. Education Minor Requirements

Students may elect to complete a minor in addition to a major. The minor must be a school subject and include five non-Education courses and an appropriate Education Methods course, usually selected from the Education 3700 Series. Students are eligible to receive an endorsement on their official transcripts upon completion of a minor. Please refer to **Part 8 - Education, Education Minors (p. 159)** for information on Education minor requirements.

g. Residence Requirement

Students must complete a minimum of 32 courses at the University of Lethbridge, including 15 Education courses, and 17 courses offered by the Faculty of Fine Arts or the Faculty of Arts and Science, including a minimum of nine courses in Music. Students should note that the residence requirement for the B.Mus./B.Ed. is subject to the Faculty of Fine Arts transfer policy. If a student withdraws from the B.Mus./B.Ed. and is admitted to a program offered by the Faculty of Arts and Science, transfer credit will be reassessed based on the Faculty of Arts and Science transfer policy.

h. Education Special Study Arrangements

Applied Studies

Eligible students in the Faculty of Education may earn up to five course credits through Applied Studies, designated by the numbers Education 2510 and Education 4980. The Applied Studies program for the Faculty of Education is coordinated through the Coordinator of Applied Studies, Faculty of Arts and Science, in consultation with the Associate Dean, Faculty of Education.

Independent Study

A maximum of two Independent Studies may be completed in the B.Ed. portion of the B.Mus./B.Ed. (see **Part 4 - Academic Regulations, Exceeding Course Limits, p. 66**).

Study Tours

Credit may be received for a maximum of two Study Tour courses (Education 4920). The Study Tours must be approved in advance by the Assistant Dean, Student Program Services, Faculty of Education (see Student Program Services for policies and procedures governing Study Tours).

8. BACHELOR OF MANAGEMENT/BACHELOR OF EDUCATION

The Faculties of Management and Education jointly offer a Combined Degrees program leading to the degrees Bachelor of Management (B.Mgt.) and Bachelor of Education (B.Ed.). Upon successful completion of the Combined Degrees program, the student receives the B.Mgt. degree from the Faculty of Management and the B.Ed. degree from the Faculty of Education.

The Combined Degrees program may be completed in 50 courses (150.0 credit hours) when the General Management

major is chosen for the B.Mgt degree. Students who choose to complete a different B.Mgt. major may be required to extend their programs beyond 50 courses.

a. Admission

Students begin in the Pre-B.Mgt./B.Ed. program in the Faculty of Management, where they progress toward completion of Management degree requirements and prepare to meet the admission requirements for the Faculty of Education. After completion of the minimum admission requirements for the Faculty of Education, students may apply to and, if accepted, be formally enrolled in the B.Mgt./B.Ed. Combined Degrees program. Transfer students must meet the competitive admission requirements for both Faculties to be admitted directly to the B.Mgt./B.Ed. program.

Students are not officially in the Combined Degrees program until they have been admitted to both the Faculty of Management and the Faculty of Education.

Applicants should consult **Part I – Admission** for general admission requirements, policies and deadlines.

1. Faculty of Management Admission Requirements for the Pre-B.Mgt/B.Ed. and B.Mgt/B.Ed.

Admission to the Pre-B.Mgt./B.Ed. and B.Mgt./B.Ed. programs is competitive and fulfilment of the minimum academic admission requirements does not guarantee admission. The Faculty of Management reserves the right of selection of all applicants for admission and readmission based on admission average.

a. In addition to the general admission requirements outlined in **Part I - Admission**, applicants to the Pre-B.Mgt./B.Ed. and B.Mgt./B.Ed. programs must satisfactorily complete the following Alberta high school math course, University of Lethbridge’s Mathematics 0500, or equivalent:

Major	Additional Admission Requirement
Quantitative Majors: Accounting, Economics, Finance	Mathematics 30-1
Non-Quantitative Majors: All other Management majors	One of: Mathematics 30-1 or Mathematics 30-2

b. Time Limit for Retention of Course Credit

Students may receive transfer credit for both Management and non-Management courses. Management courses must have been completed at an accredited post-secondary institution not more than eight years prior to admission to the Faculty of Management.

The Faculty of Management will consider requests, on a case-by-case basis, to extend this time limit for applicants with recent work experience in the field.

2. Faculty of Education Admission Requirements for the B.Mgt./B.Ed.

Based on the Faculty's quota system, normally a total of 216 students in all programs will be admitted to Bachelor of Education programs (Combined Degrees and After Degree) each year. Admission for this undergraduate teacher preparation program is available in the fall term only.

Because admission to the Faculty is competitive within each teaching major, the completion of minimum admission requirements does not guarantee admission to the program. Successful applicants are selected each year from a pool that includes both Combines Degrees and After Degree applicants.

Applicants are encouraged to consult early with Student Program Services in the Faculty of Education regarding admission requirements and program planning.

Applicants must meet the following minimum requirements for admission to the Faculty of Education:

- a. Successful completion of a minimum of 20 University of Lethbridge or transferable courses (60.0 credit hours), including the following:
 1. Education 2500 - Practicum I - Orientation to Teaching (or equivalent) including a favourable recommendation from the instructor (see **Part 8 - Education, Education 2500 Prerequisite, p. 157**).
 2. At least eight Management courses (24.0 credit hours), which may include:
 - Economics 1010 - Introduction to Microeconomics
 - Economics 1012- Introduction to Macroeconomics
 - Statistics 1770 - Introduction to Probability and Statistics

Note: *Students should consult with an academic advisor in the Faculty of Management for assistance planning the sequencing of their remaining B.Mgt. degree requirements after admission to the Faculty of Education.*
- b. A minimum admission GPA of 2.50 (on the University of Lethbridge 4.00 scale), calculated on all University of Lethbridge and transferable courses taken within the terms containing the last 20 courses (60.0 credit hours). All courses must be graded with the exception of Education 2500.
- c. A minimum major GPA of 2.50 (on the University of Lethbridge 4.00 scale), calculated on all Management courses and, if completed, Economics 1010, Economics 1012, and Statistics 1770.
- d. Special Case Admission
Applicants who have a satisfactory academic record but who, for some reason, have had a period of time when their performance was significantly lower may apply for Special Case admission (up to four such applicants may be admitted each year). See **Part 8 - Education, Special Case Admission (p. 154)** for details.
- e. Admission Procedures Available to Students of Aboriginal Descent
The Faculty of Education and Faculty of Management provides two alternative admission opportunities for applicants of Aboriginal descent. See **Part 8 - Education,**

Admission Procedures Available to Students of Aboriginal Descent (p. 154) for details.

- f. Returning after Withdrawal or Required Withdrawal from the Faculty of Education
Students who withdrew or who were required to withdraw from the Faculty of Education should refer to **Part 8 - Education, Readmission after Withdrawal (p. 154)**.

b. Faculty of Management Requirements for the 50-Course B.Mgt./B.Ed.

1. A minimum grade of 'C-' is required in Statistics 1770; Economics 1010 and Economics 1012; Writing 1000 OR a university English course; and all Management courses.
Note: *The Faculty of Management requires that students complete Writing 1000 or a university English course with a minimum grade of 'C-'.*
2. A minimum graduation GPA of 2.00 in Management courses is required (see **Part 11 - Management, How Graduation GPA is Calculated, p. 211**).
3. A minimum cumulative GPA of 2.00.
4. Completion of the General Management Major, comprising the following courses:
 - Economics 1010 - Introduction to Microeconomics
 - Economics 1012 - Introduction to Macroeconomics
 - Management 1000 - Introduction to Management
 - Management 2020 - Marketing
 - Management 2030 - Introduction to Organizational Behaviour
 - Management 2070/Economics 2070 - Operations and Quantitative Management
 - Management 2100 - Introductory Accounting
 - Management 2400 - Management Accounting
 - Management 2700 - Research Methodology
 - Management 3031 - Managing Responsibly in a Global Environment
 - Management 3040 - Finance
 - Management 3050 - Human Resource Management
 - Management 3061 - Information Systems and Management
 - Management 3080 - Managerial Skill Development
 - Management 3650 - Introduction to International Management
 - Management 4090 - Management Policy and Strategy
 - Statistics 1770 - Introduction to Probability and Statistics

One of:

 - Writing 1000 - Introduction to Academic Writing
 - A university English course

Three Management courses at the 3000/4000 level
5. Students are advised to take the following courses in their first year: Management 1000; Management 2100; Economics 1010; Economics 1012; Statistics 1770; and Writing 1000 OR a university English course.
6. Completion of the Liberal Education List Requirement (see **Part 4 - Academic Regulations, Liberal Education List Requirement, p. 79**).

7. All degree requirements must be completed within 10 years after admission to the Faculty of Management.
8. Not more than 10 courses may be taken at the 0100/1000 level for credit toward the degree. Activity courses are exempted from this limit. Language courses are offered in the 0100-1990 range. Only the first course in the range counts toward this limit in the language subjects of French, German, Greek, Japanese, Latin and Spanish. Only one of Economics 1010 and Economics 1012 will be counted toward this limit. Only one of Biology 1010 and Biology 1020 will be counted toward this limit. Only one of Geography 1000 and Geography 1200 will be counted toward this limit (see **Part 4 - Academic Regulations, Exceeding Course Limits, p. 66**).

Note: Students should be aware that these are the requirements for the General Management major only. Students may choose to complete a different Management major in the Combined Degrees program. If students choose a different Management major, they may be required to extend their programs beyond 50 courses (see **Part 11 - Management, Bachelor of Management (B.Mgt.)**, p. 212 for all Management major requirements).

c. Management Minor Requirements

Note: The minor in Information Systems for the B.Mgt./B.Ed has been suspended, beginning May 1, 2013 (i.e. for the 2013/2014 academic year and thereafter, until further notice).

Students may elect to complete minors in First Nations' Governance, Information Systems, International Management, New Media, Social Responsibility, and Supply Chain Management in the B.Mgt./B.Ed. program (see **Part 11 - Management, Minors, p. 223**).

d. Faculty of Education Requirements for the 50-Course B.Mgt./B.Ed.

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.

****The Education Foundation Requirement may be met in the following ways:**

 - a. One course from the following list:
 - Education 4310 - Comparative Studies of Education in Developed and Third World Nations
 - Education 4311 - World Issues and Problems in Education
 - Education 4320 - Education and Society from a Sociological Perspective
 - Education 4321 - Social Issues in Education
 - Education 4341 - Foundations of Multicultural Education in Canada

Education 4360 - Studies in the History of Western Education
 Education 4361 - History of Canadian Education
 Education 4362 - Concepts of Childhood in the History of Education
 Education 4380 - Developing a Philosophy of Education
 Education 4381 - Ethics of Teaching
 Education 4391 - Seminar in Educational Foundations (Series)

b. One appropriate Independent Study.

3. Maintenance of a program GPA of 2.50 in Education courses.
4. Completion of the Career and Technology Studies (CTS): Business Focus Education major.
5. Maintenance of a program GPA of 2.50 in the appropriate Education major.
6. Completion of the Liberal Education List Requirement (see **Part 4 - Academic Regulations, Liberal Education List Requirement, p. 79**).

e. Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

f. Academic Regulations

In the Combined Degrees program, students divide their time between different Faculties which measure different standards of academic performance. Students should read the academic regulations for each Faculty in which a portion of the Combined Degrees will be taken. For the B.Mgt./B.Ed., students should be aware of the Education regulations (**Part 8**) and Management regulations (**Part 11**).

g. Education Minor Requirements

Students may elect to complete a minor in addition to a major. The minor must be a school subject and include five non-Education courses and an appropriate Education Methods course, usually selected from the Education 3700 Series. Students are eligible to receive an endorsement on their official transcripts upon completion of a minor. Please refer to **Part 8 - Education, Education Minors (p. 159)** for information on Education minor requirements.

h. Education Specialization Requirements

Students may elect to complete a specialization in addition to a major or minor. Students will be eligible to receive an endorsement on their official transcript upon completion of a specialization. Please refer to **Part 8 - Education, Education Specializations (p. 163)** for information on Education Specialization Requirements.

i. Residence Requirement

Students must complete a minimum of 30 courses at the University of Lethbridge, including 15 Education courses and 10 Management courses, seven of which must be at the 3000/4000 level.

j. Education Special Study Arrangements

Applied Studies

Eligible students in the Faculty of Education may earn up to five course credits through Applied Studies, designated by the numbers Education 2510 and Education 4980. The Applied Studies program for the Faculty of Education is coordinated through the Coordinator of Applied Studies, Faculty of Arts and Science, in consultation with the Associate Dean, Faculty of Education.

Independent Study

A maximum of two Independent Studies may be completed in the B.Ed. portion of the B.Mgt./B.Ed. (see **Part 4 - Academic Regulations, Exceeding Course Limits, p. 66**).

Study Tours

Credit may be received for a maximum of two Study Tour courses (Education 4920). The Study Tours must be approved in advance by the Assistant Dean, Student Program Services, Faculty of Education (see Student Program Services for policies and procedures governing Study Tours).

9. BACHELOR OF ARTS/BACHELOR OF MANAGEMENT OR BACHELOR OF SCIENCE/ BACHELOR OF MANAGEMENT

The Faculties of Arts and Science and Management jointly offer a 50-course (150.0 credit hour) Combined Degrees program leading to the degrees Bachelor of Arts (B.A.) or Bachelor of Science (B.Sc.) and Bachelor of Management (B.Mgt.). Upon successful completion of the Combined Degrees program, the student receives the B.A. or B.Sc. degree from the Faculty of Arts and Science and the B.Mgt. degree from the Faculty of Management.

a. Admission

Enrolment in the B.A./B.Mgt and B.Sc./B.Mgt. Combined Degrees programs is limited and fulfilment of the minimum academic admission requirements does not guarantee admission. The Faculties of Arts and Science and Management reserve the right of selection of all applicants for admission and readmission based on admission average.

Applicants should consult **Part I - Admission** for general admission requirements, policies and deadlines.

1. Faculty of Arts and Science Admission Requirements for the B.A./B.Mgt. or B.Sc./B.Mgt.

All applicants to the B.A./B.Mgt. and B.Sc./B.Mgt. programs must meet the general admission requirements outlined in **Part I – Admission**.

Effective beginning with Fall 2018 admission

In addition, applicants to the following majors must satisfactorily complete the Alberta high school courses indicated, or equivalents:

Major	Additional High School Admission Requirement(s)
Biological Sciences	Biology 30 Chemistry 30 Mathematics 30-1
Chemistry	Chemistry 30 Mathematics 30-1
Computer Science	Mathematics 30-1

Economics	Mathematics 30-1 or Mathematics 30-2
Kinesiology (B.Sc.)	Biology 30
Mathematics	Mathematics 30-1 (Mathematics 31 recommended)
Physics	Mathematics 30-1

2. Faculty of Management Admission Requirements for the B.A./B.Mgt. and B.Sc./B.Mgt.

Admission to the B.A./B.Mgt. and B.Sc./B.Mgt. programs is competitive and fulfilment of the minimum academic admission requirements does not guarantee admission. The Faculty of Management reserves the right of selection of all applicants for admission and readmission based on admission average.

In addition to the general admission requirements outlined in **Part I - Admission**, applicants to the B.A./B.Mgt. and B.Sc./B.Mgt. programs must satisfactorily complete the following Alberta high school math course, University of Lethbridge's Mathematics 0500, or equivalent:

Major	Additional Admission Requirement
Quantitative Majors: Accounting, Economics, Finance	Mathematics 30-1
Non-Quantitative Majors: All other Management majors	One of: Mathematics 30-1 or Mathematics 30-2

3. Time Limit for Retention of Course Credit

Students may receive transfer credit for both Management and non-Management courses. Management courses must have been completed at an accredited post-secondary institution not more than eight years prior to admission to the Faculty of Management.

The Faculty of Management will consider requests, on a case-by-case basis, to extend this time limit for applicants with recent work experience in the field.

4. Choice of majors

Applicants seeking the B.A./B.Mgt. or B.Sc./B.Mgt. degrees must declare distinct majors in the Combined Degrees program. For example, if Economics, Native American Studies or Political Science is chosen for the B.A. portion of the B.A./B.Mgt. program, the applicant must declare a Management major other than Economics, First Nations' Governance or Political Science, respectively.

b. General Requirements for the 50-Course B.A./B.Mgt. or B.Sc./Mgt.

1. Completion of the Liberal Education List Requirement (see **Part 4 - Academic Regulations, Liberal Education List Requirement, p. 79**).
2. Not more than 10 courses (30.0 credit hours) may be completed at the 1000 level (or lower) for credit towards the degrees, excluding Activity courses (labelled PHAC and MUSE) and courses numbered in the range of 0520 to 0530.

3. Residence requirement: Students must complete a minimum of 30 courses at the University of Lethbridge, including 20 courses offered by the Faculty of Arts and Science or Faculty of Fine Arts and 10 Management courses at the 3000/4000 level.

Depending on the major combination chosen, students may be required to extend their program beyond 50 courses. (See **Part 4 - Academic Regulations, Exceeding Course Limits, p. 66**).

c. Faculty of Arts and Science Degree Requirements for the 50-Course B.A./B.Mgt. or B.Sc./Mgt.

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 GPA of at least 2.00.
2. 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).
3. Not more than three Independent Study courses (9.0 credit hours) may be completed for credit towards the degree.
4. 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.
5. Not more than 17 courses (51.0 credit hours) may be completed from any one discipline for credit towards the degree (see **Part 7 - Arts and Science, Arts and Science Disciplines, p. 98**).
Note: *Disciplines are identified by a specific course label (e.g. KNES, ASTR, and HIST are separate disciplines).*
6. 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).
7. Residence requirement: at least 20 courses (60.0 credit hours) offered by the Faculty of Arts and Science or the Faculty of Fine Arts must be completed at the University of Lethbridge.

(See **Part 4 - Academic Regulations, Exceeding Course Limits, p. 66**).

d. Faculty of Management Degree Requirements for the 50-Course B.A./B.Mgt. or B.Sc./B.Mgt.

1. A minimum grade of 'C-' is required in Statistics 1770; Economics 1010 and Economics 1012; Writing 1000 OR a university English course; all Management courses; and all courses in the major marked with an asterisk (*).
2. A minimum graduation GPA of 2.00 in Management courses is required (see **Part 11 - Management, How Graduation GPA is Calculated, p. 211**).
3. Completion of a minimum of 20 Management courses including all courses required for the Management major and the courses listed below.

Management 1000 - Introduction to Management
Management 2020 - Marketing
Management 2030 - Introduction to Organizational Behaviour

- **Management 2070/Economics 2070 - Operations and Quantitative Management
- Management 2100 - Introductory Accounting
- Management 2400 - Management Accounting
- Management 3031 - Managing Responsibly in a Global Environment
- Management 3040 - Finance
- Management 3050 - Human Resource Management
- Management 3061 - Information Systems and Management
- Management 3080 - Managerial Skill Development
- *Management 3650 - Introduction to International Management
- Management 4090 - Management Policy and Strategy
- **Economics 1010 - Introduction to Microeconomics
- **Economics 1012 - Introduction to Macroeconomics
- **Statistics 1770 - Introduction to Probability and Statistics

**** One of:**

Writing 1000 - Introduction to Academic Writing
A university English course

*Students completing the Accounting major are not required to complete Management 3650

**These courses count toward the 30 courses required for the B.A. or B.Sc. portion of the B.A./B.Mgt. or the B.Sc./B.Mgt.

4. All degree requirements must be completed within 10 years after admission to the Faculty of Management.
5. Students are advised to take the following courses in their first year: Management 1000; Management 2100; Economics 1010; Economics 1012; Statistics 1770; Writing 1000 OR a university English course.

e. Major Requirements for the 50-Course B.A./B.Mgt. or B.Sc./B.Mgt.

1. Arts and Science Majors

For the B.A., a major program must be chosen and completed from among the following majors: Anthropology, Art, Canadian Studies, Dramatic Arts, Economics, English, French, *French/German, French/Spanish, Geography, *German, History, Kinesiology, Music, Native American Studies, Philosophy, Political Science, Psychology, Religious Studies, Sociology, Urban and Regional Studies, Women and Gender Studies, a General Major in the Humanities, or a General Major in the Social Sciences.

*Majors in French/German and German have been suspended (see **p. 274**)

For the B.Sc., a major program must be chosen and completed from among the following majors: Biological Sciences, Chemistry, Computer Science, Geography, Kinesiology, Mathematics, Physics, Psychology, or a General Major in the Sciences.

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

a. Anthropology

Students must complete a minimum of 13 courses.

Required courses:

Anthropology 1000 - The Anthropological Perspective
Anthropology 2010 - Theory I: Historical Foundations of Anthropological Thought
Anthropology 2210 - Cultures of the World (Series)
Anthropology 3000 - Theory II: Contemporary Anthropological Theory
Anthropology 3010 - Methods, Knowledge, and Ethics

One of:

Anthropology 2410 - Anthropological Archaeology
Anthropology 2510 - Language, Culture, and Communication

Three additional courses (9.0 credit hours) in Anthropology at the 2000 level or above, excluding Anthropology 2990, 3990 and 4990 (Independent Study)

Two additional courses (6.0 credit hours) in Anthropology at the 3000/4000 level, excluding Anthropology 3980 (Applied Studies) and Anthropology 3990 (Independent Study)

Two courses (6.0 credit hours) in Anthropology at the 4000 level, excluding Anthropology 4980 (Applied Studies) and Anthropology 4990 (Independent Study)

b. Art

Students must complete a minimum of 13 courses.

Required courses:

Art 2031 - Foundation Studio (Drawing and Image)
Art 2032 - Foundation Studio (Object and Space)
Art 3010 - Drawing (Principles and Practices)
Art History 1000 - Introduction to Art
Art History 2001 - Contemporary Art Practices and Theories
Art History 2225 - A Brief History of World Art

One of:

Art 3261 - Art NOW
Art 3262 - Art NOW

One of:

Art History 3200 - Issues in 19th-Century Art and Culture
Art History 3215 - 20th-Century Art History to 1945
Art History 3240 - Canadian Art History to 1960
Museum Studies 2900 - Introduction to Museum Studies

One of:

Art History 3151 - Art History (Series)
Art History 3220 - Art from 1945 to 1980

Art History 3245 - Canadian Art History from 1960 to the Present
Art History 3250 - Northwest Coast Art
Art History 3270 - Global Art Since 1980
Art History 3850 - Topics in Art History
Art History 4150 - Art History (Series)
Museum Studies 3850 - Topics in Museum Studies
Museum Studies 3900 - Exhibiting Cultures: Art Galleries, Museums and Cultures of Display
Museum Studies 4000 - Museum Studies Internship

Four additional courses (12.0 credit hours) Art, Art History, or Museum Studies

c. Biological Sciences

Students must complete a minimum of 16 courses.

Required courses:

Biochemistry 2000 - Introductory Biochemistry
Biology 1010 - Cellular Basis of Life
Biology 1020 - Diversity of Life
Biology 2000 - Principles of Genetics
Biology 2200 - Principles of Ecology
Biology 3300 - Evolution
Chemistry 1110 - Chemistry for Life Sciences I
Chemistry 2120 - Chemistry for Life Sciences II
Physics 1050 - Introduction to Biophysics
Statistics 1770 - Introduction to Probability and Statistics

One of:

One course (3.0 credit hours) in English (at the 1000 level or higher)
Writing 1000 - Introduction to Academic Writing

¹Five courses (15.0 credit hours) in Biology at the 3000/4000 level, including two courses (6.0 credit hours) from two of the following subfield lists, and one course (3.0 credit hours) from the third subfield list; one of the five courses must be at the 4000 level

List I - Cellular and Molecular Biology

Biology 3000 - Gene Expression and Regulation
Biology 3005 - Genome Maintenance
Biology 3105 - Signal Transduction
Biology 3115 - Principles of Cell Growth
²Biology 3210 - Experimental Methods in Molecular and Cellular Biology
Biology 4100 - Advances in Agricultural Biotechnology
Biology 4110 - Advances in Genetics, Molecular and Cellular Biology
Biology 4130 - Genomics and Biotechnology
Biology 4140 - RNA Biology
Biology 4170 - Plant Biotechnology
Biology 4200 - Techniques in Molecular Biology
Biology 4230 - Molecular and Cellular Biology of Cancer

List 2 - Organismal Biology

Biology 3310 - Developmental Biology
Biology 3400 - Principles of Microbiology
Biology 3420 - Animal Physiology
Biology 3460 - Plant Physiology
Biology 3505 - Freshwater Biology
Biology 3520 - Invertebrate Zoology
Biology 3530 - Vertebrate Zoology
Biology 3560 - Integrative Plant Biology
Biology 4420 - Environmental Physiology
Biology 4440 - Toxicology
Biology 4560 - Plant Development

List 3 - Ecology and Evolutionary Biology

Biology 3605 - Conservation Biology
³Biology 3610 - Prairie Conservation
Biology 3630 - Field Biology
Biology 3700 - Ecosystem and Community Ecology
Biology 3710 - Population Biology
Biology 3800 - Aquatic Ecosystems
Biology 3810 - Experimental Design and Analysis
Biology 4700 - Molecular Ecology
Biology 4710 - Evolutionary and Ecological Modelling
Biology 4740 - Behavioural Ecology
Biology 4800 - Biology of Parasitism

Recommended course:

Environmental Science 2000 - Fundamentals of Environmental Science

Notes

¹ Topics courses (Biology 3850 and 4850) may be assigned to one of the Biological Sciences lists at the time of scheduling. Please refer to the current term timetable.

² Prerequisite required: Chemistry 2000.

³ Prerequisite required: Environmental Science 2000.

d. Canadian Studies

Students must complete 15 of the 20 courses normally required for the major in Canadian Studies for the B.A. (see **Part 7 - Arts and Science, p. 113**). At least six of the courses must be taken at the 3000/4000 level. Nine courses should be selected from the core list. The remaining six courses must include at least two disciplines. Please contact an Arts and Science academic advisor for more information.

e. Chemistry

Students must complete a minimum of 14 courses.

Required Courses:

Chemistry 1000 - General Chemistry I
Chemistry 2000 - General Chemistry II
Chemistry 2410 - Analytical Chemistry I
Chemistry 2500 - Organic Chemistry I
Chemistry 2600 - Organic Chemistry II
Chemistry 2740 - Physical Chemistry
Physics 2000 - Introduction to Physics II

One of:

Mathematics 1560 - Calculus I
Mathematics 1565 - Accelerated Calculus I (recommended)

One of:

Mathematics 2560 - Calculus II
Mathematics 2565 - Accelerated Calculus II (recommended)

One of:

Physics 1000 - Introduction to Physics I (recommended)
Physics 1050 - Introduction to Biophysics
¹ Engineering 2060 - Engineering Mechanics

Four of:

Biochemistry 2000 - Introductory Biochemistry
Biochemistry 3100 - Proteins, Enzymes and Nucleic Acids
Biochemistry 3300 - Bioenergetics and Metabolism
Chemistry 3250 - Contemporary Chemistry
Chemistry 3410 - Analytical Chemistry II
² Chemistry 3730 - Advanced Physical Chemistry
Chemistry 3830 - Inorganic Chemistry I
Chemistry 3840 - Inorganic Chemistry II

Recommended course:

Biology 1010 - Cellular Basis of Life

Notes

¹ Prerequisite required: Engineering 2000.

² Prerequisite required: Mathematics 1410

The major in Chemistry for the Combined Degrees program is not accredited by the Canadian Society of Chemistry, nor is it sufficient for pursuing graduate studies in Chemistry.

Chemistry courses are organized in sequences and must be taken in the proper order. In addition, several of the 3000-level courses are offered only in alternate years. Students with a major in Chemistry are advised to seek help in planning their programs from the Departmental Advisor or from any faculty member in the Department of Chemistry and Biochemistry at an early stage of their studies.

f. Computer Science

Students must complete a minimum of 11 courses.

Required courses:

Computer Science 1620 - Fundamentals of Programming I
Computer Science 1820 - Discrete Structures
Computer Science 2610 - Introduction to Digital Systems
Computer Science 2620 - Fundamentals of Programming II
Computer Science 2720 - Practical Software Development
Computer Science 3620 - Data Structures and Algorithms
Computer Science 3660 - Introduction to Database Systems
Computer Science 3740 - Programming Languages
Mathematics 2000 - Mathematical Concepts

One course (3.0 credit hours) in Computer Science at the 4000 level, excluding Computer Science 4850 (Topics), Computer Science 4980 (Applied Studies), and Computer Science 4990 (Independent Study)

One additional course (3.0 credit hours) in Computer Science

g. Dramatic Arts

Students must complete a minimum of 15 courses.

Required courses:

Drama 1000 - Introduction to Dramatic Arts

Drama 2010 - Performance Fundamentals

Drama 2100 - Play Reading and Analysis

Drama 2120 - History and Development of Theatre I

Drama 2130 - History and Development of Theatre II

Drama 2810 - Introduction to Stagecraft

Drama 3100 - Theatre in Performance

Drama 3130 - Canadian Theatre

Drama 3151 - Play Reading and Analysis II

Drama 4211 - Theories of Theatre

One of:

Drama 2310 - Acting I

Drama 2320 - Voice I

Drama 2340 - Movement I

Drama 2420 - Directing I

Drama 2510 - Theatre for Young Audiences I

Drama 2740 - Theatre Creation I

Drama 2750 - Playwriting I

Drama 2825 - Introduction to Design for Theatre

One of:

Drama 2600 - Drama Portfolio I

Drama 2611 - Technical Theatre Portfolio I

One of:

English 3201 - Elizabethan and Jacobean Drama

English 3602 - Shakespeare

English 3620 - Modern Drama

English 3660 - Contemporary Drama

One additional course (3.0 credit hours) in Drama at the 3000/4000 level

One additional course (3.0 credit hours) in Drama

h. Economics

Students must complete a minimum of 14 courses.

Required courses:

Economics 1010 - Introduction to Microeconomics

Economics 1012 - Introduction to Macroeconomics

Economics 2750 - Quantitative Methods in Economics

Economics 2900 - Economics and Business Statistics

Economics 3010 - Intermediate Microeconomic Theory

Economics 3012 - Intermediate

Macroeconomic Theory

Economics 3950 - Econometrics I

Statistics 1770 - Introduction to Probability and Statistics

Three courses (9.0 credit hours) in Economics at the 4000 level

Three additional courses (9.0 credit hours) in Economics

i. English

Students must complete a minimum of 13 courses.

Required courses:

English 1900 - Introduction to Language and Literature

Two of (Literary Surveys):

English 2000 - Survey of Canadian Literature

English 2400 - Survey of English Literature I

English 2450 - Survey of English Literature II

English 2500 - Survey of American Literature I

English 2550 - Survey of American Literature II

English 2610 - Survey of Children's Literature

English 2625 - Survey of World Literature

English 2700 - Surveys of Literature (Series)

Two of (Genres, Approaches and Themes):

English 2100 - Poetry

English 2200 - Drama

English 2300 - Prose Fiction

English 2720 - Approaches to Literature (Series)

English 2800 - Rhetoric

English 2810 - Grammar

Six courses (18.0 credit hours) in English at the 3000/4000 level chosen from the subfield lists below

Two courses (6.0 credit hours) in English at the 4000 level chosen from the subfields lists below

For the above 3000/4000-level requirements, students must draw courses from at least five of the following subfield lists:

a. Theory, Language and Creative Writing

English 3010 - Literary Theory

English 3060 - Gender and Literature

English 3070 - Imperialism and Nationalism in Children's Literature

English 3800 - Creative Writing

English 3901 - History of the English Language

Any offering in the English 3700, English 4400, or English 4600 Series with an emphasis on Literary Theory, Language or Creative Writing

- b. Old and Middle English
 English 3401 - Medieval Literature
 English 3450 - Old English
 English 3601 - Chaucer
 Any offering in the English 3700,
 English 4400 or English 4600
 Series with an emphasis on Old
 or Middle English Literature
- c. Renaissance
 English 3201 - Elizabethan and
 Jacobean Drama
 English 3410 - 17th-Century
 Literature
 English 3602 - Shakespeare
 Any offering in the English 3700,
 English 4400 or English 4600
 Series with an emphasis on
 Renaissance Literature
- d. Eighteenth Century and Romantic
 English 3301 - Rise of the Novel
 English 3310 - Restoration and 18th-
 Century Literature
 English 3350 - Romanticism
 Any offering in the English 3700,
 English 4400 or English 4600
 Series with an emphasis on
 Eighteenth-Century or
 Romantic Literature
- e. Nineteenth Century
 English 3302 - 19th-Century British
 Novel
 English 3500 - Victorian Literature
 Any offering in the English 3700,
 English 4400 or English 4600
 Series with an emphasis on
 Nineteenth-Century Literature
- f. Twentieth Century and
 Contemporary
 English 3610 - Modernism
 English 3620 - Modern Drama
 English 3630 - Modern Novel
 English 3650 - Contemporary
 Literature
 English 3660 - Contemporary Drama
 Any offering in the English 3700,
 English 4400 or English 4600
 Series with an emphasis on
 Twentieth-Century or
 Contemporary Literature
- g. Canadian and Post-Colonial
 English 3001 - Canadian Poetry
 English 3002 - Contemporary
 Canadian Drama
 English 3008 - Canadian Literature,
 1867 - 1914
 English 3810 - Contemporary
 Canadian Literature
 English 3860 - Post-Colonial
 Literature
 English 4000 - Seminars in Canadian
 and Post-Colonial Literature
 (Series)
 Any offering in the English 3700,
 English 4400 or English 4600
 Series with an emphasis on
 Canadian or Post-Colonial
 Literature

Notes

Independent Study courses, Applied Studies courses, and courses not listed under the seven subfields are not counted as part of the 13-course minimum for the major; they are strongly encouraged for students taking courses beyond this minimum, however.

It is recommended that students include a broad variety of periods and all three genres (drama, poetry and prose fiction) in their programs.

j. French

Students must complete a minimum of 10 courses.

Required courses:

One of the following pairs (a. or b.):

a. Non-Immersion Pair

(for students who have completed French 30, French 31, or equivalent)

French 1500 - Intermediate
 Language I
 French 2000 - Intermediate
 Language II

OR

b. Immersion Pair

(for students who have completed French Language Arts 30, Français 30, or equivalent)

French 2001 - Intermediate
 Language for Immersion
 Graduates
 One additional course in French

French 2300 - Introduction to Modern
 Literature and Literary Analysis
 French 3001 - Advanced Language I
 French 3100 - Survey of Pre-Revolutionary
 French Literature
 French 3450 - Phonetics and Diction

One of:

French 4001 - Advanced Language II
 French 4002 - Advanced Studies in
 Language (Series)

Two additional courses (6.0 credit hours) in
 French at the 3000/4000 level

One additional course (3.0 credit hours) in
 French

Notes

Students may **not** count French 1000 (Beginners' French I) among the minimum requirements for the major.

Students who have not completed French 30 or French 31 (or equivalent) should begin their program with French 1000 and/or French 1100 depending on the placement test (see **Part 7 - Arts and Science, French, p. 119**).

k. French/German

Note: Admission to the Major in French/German for the B.A./B.Mgt. has been suspended, beginning May 1, 2013 (i.e. for the 2013/2014 academic year and thereafter, until further notice).

Majors must successfully complete a minimum of 16 courses, which must include:

- Eight courses (24.0 credit hours) in French
- Six courses (18.0 credit hours) in German
- Linguistics 2300 - Introduction to Linguistics I:
 - Phonetics and Phonology
- Linguistics 2600 - Introduction to Linguistics II:
 - Morphology, Syntax and Semantics
- Five of the above courses (15.0 credit hours) must be at the 3000/4000 level

l. French/Spanish

Students must complete a minimum of 16 courses.

Required courses:

- French 2300 - Introduction to Modern Literature and Literary Analysis
- French 3100 - Advanced Language I
- Spanish 2300 - Introduction to Hispanic Literature and Literary Analysis
- Spanish 3001 - Advanced Language
- Four additional courses (12.0 credit hours) in French at the 3000/4000 level
- Three additional courses (9.0 credit hours) in Spanish at the 3000/4000 level
- Two additional courses (6.0 credit hours) in French
- Three additional courses (6.0 credit hours) in Spanish

Recommended course:

- Spanish 3002 - Spanish for Professional Contexts

Notes:

Students may **not** count either French 1000 (Beginners' French I) or Spanish 1000 (Beginners' Spanish I) among the minimum requirements for the major.

Students may replace one course in Spanish with one course in Hispanic Studies.

m. General Major in the Humanities

Students must complete a minimum of 16 courses.

Required courses:

- Four courses (12.0 credit hours) in each of three disciplinary streams chosen from the following list:
 - One of Art (including courses in Art History and Museum Studies), Dramatic Arts or Music
 - English - all courses
 - One of French, German, Japanese, or Spanish

Note: The disciplinary stream in German has been suspended, beginning May 1, 2013. Students may not declare German as a disciplinary stream in the 2013/2014 academic year and thereafter, until further notice.

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

Three additional courses (9.0 credit hours) chosen from any of the Humanities disciplinary streams listed above

One course (3.0 credit hours) in a language other than English

Of the 16 courses (48.0 credit hours) required in the major, six courses (18.0 credit hours) must be at the 3000/4000 level

Notes

To determine if a given course in a disciplinary stream has a Humanities designation, see List I: Fine Arts and Humanities Courses (see **Part 4 - Academic Regulations, Liberal Education List Requirement, p. 79**).

If one of the disciplinary streams selected is a language discipline, students may use a course in a different language or an additional course in the chosen stream to meet the language requirement.

n. General Major in the Sciences

Students must complete a minimum of 16 courses.

Required courses:

Four courses (12.0 credit hours) in each of three disciplinary streams chosen 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

Three additional courses (9.0 credit hours) chosen from any of the Sciences disciplinary streams listed above

One of (Science in Human Affairs):

Biochemistry 2300 - Elements of Human Nutrition
Environmental Science 2000 - Fundamentals of Environmental Science
Philosophy 2233 - Philosophy and the World View of Science: Earth and Life Sciences
Philosophy 2234 - Philosophy and the World View of Science: Space, Time and Matter
Philosophy 3402 - Biomedical Ethics
Physics 2020 - The Physics of Everyday Life

Of the 16 courses (48.0 credit hours) required in the major, six courses (18.0 credit hours) must be at the 3000/4000 level

Notes

To determine if a given course in a disciplinary stream has a Science designation, see List II: Science Courses (see **Part 4 - Academic Regulations, Liberal Education List Requirement, p. 79**).

Some of the Science in Human Affairs courses have prerequisites which may or may not be included in the major.

o. General Major in the Social Sciences

Students must complete a minimum of 16 courses.

Required courses:

Four courses (12.0 credit hours) in each of three disciplinary streams chosen 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

Three additional courses (9.0 credit hours) chosen from any of the Social Sciences disciplinary streams listed above

One of (Quantitative Methods):

Economics 2900 - Economics and Business Statistics
Geography 2700 - Geographical Data and Analysis
Psychology 2030 - Methods and Statistics
Sociology 2130 - Social Statistics I
Statistics 2780 - Statistical Inference

Of the 16 courses (48.0 credit hours) required in the major, six courses (18.0 credit hours) must be at the 3000/4000 level

Notes

To determine if a given course in a disciplinary stream has a Social Science designation, see List II: Social Science Courses (see **Part 4 - Academic Regulations, Liberal Education List Requirement, p. 79**).

The Quantitative Methods courses have prerequisites which may or may not be included in the major.

p. Geography (B.A. or B.Sc.)

Students must complete a minimum of 11 courses.

Required courses:

Environmental Science 2000 - Fundamentals of Environmental Science
Geography 1000 - Introduction to Physical Geography
Geography 1200 - Introduction to Human Geography
Geography 2030 - Geomorphology
Geography 2210 - Spatial Organization of Economic Activity
Geography 2300 - Weather and Climate
Geography 2700 - Geographical Data and Analysis
Geography 2735 - Introduction to Geographical Information Science
Two courses (6.0 credit hours) in Geography at the 3000/4000 level
One additional course (3.0 credit hours) in Geography

q. German

Note: Admission to the Major in German for the B.A./B.Mgt. has been suspended, beginning May 1, 2013 (i.e. for the 2013/2014 academic year and thereafter, until further notice).

Majors must successfully complete a minimum of 13 courses in German, which must include: A minimum of seven courses at the 3000/4000 level, of which at least two must be at the 4000 level

Linguistics 2300 may replace one of the courses in German

Participation in the Department's German Visiting Student program is compulsory for students majoring in German. For details, see the German Off-Campus Studies Coordinator in the Department of Modern Languages.

r. History

Students must complete a minimum of 10 courses.

Required courses:

History 2222 - History in Practice

One of:

History 1000 - Western Civilization

History 1200 - World History

Four of:

History 2001 - Main Themes in Ancient History

History 2100 - Main Themes in Medieval European History

History 2102 - Early Modern Europe - 1500-1750

History 2150 - The Politics of Europe - 1750-1914

History 2250 - China in the 19th and 20th Centuries

History 2290 - Main Themes in East Asian History

History 2300 - Latin America

History 2500 - Themes in British Social and Political History

History 2600 - Main Themes in the History of the United States

History 2710 - Canada to 1867

History 2720 - Canada Since 1867

History 2800 - History of Women

Religious Studies 2500 - Christianity

Two courses (6.0 credit hours) in History at the 3000/4000 level

Two courses (6.0 credit hours) in History at the 4000 level, excluding History 4980 (Applied Studies) and History 4990 (Independent Study)

s. Kinesiology (B.A.)

Students must complete a minimum of 13 courses.

Required courses:

Kinesiology 1000 - Wellness and Physical Activity

Kinesiology 2110 - Biophysical Perspectives

Kinesiology 2130 - Humanities Perspectives

Kinesiology 2140 - Psychological Perspectives

Kinesiology 2150 - Sociological Perspectives

Kinesiology 2200 - Research Methodologies

Kinesiology 2600 - Functional Human Anatomy

Kinesiology 3300 - Leadership Skills Development

One course (3.0 credit hours) in Kinesiology at the 3000/4000 level with a Humanities or Social Science designation

One course (3.0 credit hours) in Kinesiology at the 4000 level with a Humanities or Social Science designation, excluding Kinesiology 4980 (Applied Study) and Kinesiology 4990 (Independent Study)

Three courses (9.0 credit hours) in Physical Activity at the 3000 level

Notes

To determine if a given course in Kinesiology has a Humanities or Social Science designation, see List I: Fine Arts and Humanities Courses and List II: Social Science Courses (see **Part 4 - Academic Regulations, Liberal Education List Requirement, p. 79**).

t. Kinesiology (B.Sc.)

Students must complete a minimum of 16 courses.

Required courses:

Biology 1010 - Cellular Basis of Life

Kinesiology 1000 - Wellness and Physical Activity

Kinesiology 2200 - Research Methodologies

Kinesiology 2600 - Functional Human Anatomy

Kinesiology 2610 - Human Physiology

Kinesiology 2650 - Functional Biomechanics

Kinesiology 3300 - Leadership Skills Development

Kinesiology 3610 - Exercise Physiology

Kinesiology 3630 - Growth, Development and Aging

Kinesiology 3650 - Biomechanics

Physics 1050 - Introduction to Biophysics

One of:

Chemistry 1000 - General Chemistry I

Chemistry 1110 - Chemistry for Life Sciences I

¹ One course (3.0 credit hours) in Kinesiology at the 4000 level with a Science designation, excluding Kinesiology 4980 (Applied Study) and Kinesiology 4990 (Independent Study)

Three courses (9.0 credit hours) in Physical Activity at the 3000 level

Notes

¹ *Kinesiology 4900 (Interdisciplinary Research Dialogues) may be used in place of one Kinesiology course at the 4000 level with a Science designation.*

To determine if a given course in Kinesiology has a Science designation, see List III: Science Courses (see **Part 4 - Academic Regulations, Liberal Education List Requirement, p. 79**).

u. Mathematics

Students must complete a minimum of 13 courses.

Required courses:

Computer Science 1620 - Fundamentals of Programming I

Mathematics 1410 - Elementary Linear Algebra

Mathematics 2000 - Mathematical Concepts

Mathematics 2570 - Calculus III

Mathematics 2580 - Calculus IV

Mathematics 3400 - Group and Ring Theory

Mathematics 3410 - Linear Algebra

Mathematics 3500 - Analysis I

Statistics 1770 - Introduction to Probability and Statistics

Statistics 2780 - Statistical Inference

One of:

Mathematics 1560 - Calculus I
 Mathematics 1565 - Accelerated
 Calculus I (recommended)

One of:

Mathematics 2560 - Calculus II
 Mathematics 2565 - Accelerated
 Calculus II (recommended)

One additional course (3.0 credit hours) in Mathematics or Statistics at the 3000/4000 level, excluding Mathematics 3980, Mathematics 4980, Statistics 3980, Statistics 4980 (Applied Studies) and Mathematics 3990, Mathematics 4990, Statistics 3990, Statistics 4990 (Independent Study)

Notes

Students are strongly encouraged to include additional Computer Science courses in their program.

v. Music

Students must complete a minimum of 16 courses.

Required courses:

Music 2080 - Western Art Music
 Music 2090 - The Eighteenth Century
 Music 2160 - Theory I
¹ Music 2161 - Musicianship Skills I
 Music 2260 - Theory II
¹ Music 2261 - Musicianship Skills II
 Music 2500 - Introduction to Music Technology

Three of:

Music 3030 - Film Music
² Music 3200 - Popular Music (Series)
 Music 3261 - Music in Recital
 Music 3721 - World Music
 Music 3734 - Portfolio and Music Industry
 Music 3850 - Topics in Music

³ Seven additional courses in Music (21.0 credit hours) including a minimum of five courses at the 3000/4000 level, excluding Music 1000 and Music 1011, and including no more than four Music Ensemble Activity courses.

Notes

¹ 1.5 credit hours.

² Only one offering of Music 3200 may count toward the "Three of" list. Additional offerings of Music 3200 may be taken as Music Electives.

³ Music Ensemble Activity courses cannot be used to meet the 3000/4000-level course requirement in the Music major.

w. Native American Studies

Students must complete a minimum of 13 courses.

Required courses:

Native American Studies 1000 - Introduction to Native American Studies
 One course (3.0 credit hours) in Blackfoot or Cree

One of (Art and Literature):

Native American Studies 2300 - North American Indian Art History and Theory
 Native American Studies 2350/Art 2350 - North American Indian Art Studio
 Native American Studies 2600 - Native American Literature

One of (Culture and History):

Native American Studies 2000 - Native American Philosophy
 Native American Studies 2500 - Canadian Indian History
 Native American Studies 2550 - U.S. Indian History

One of (Law and Politics):

Native American Studies 2100 - Aboriginal Peoples and Law
 Native American Studies 2150 - Native Rights in the United States
 Native American Studies 2800 - Native American Politics

One of (Contemporary Issues):

Native American Studies 2400 - Traditional Aboriginal Political Economy
 Native American Studies 2700 - Native American Women
 Native American Studies 3700 - Native American Health

Three courses (9.0 credit hours) in Native American Studies at the 3000/4000 level

One course (3.0 credit hours) in Native American Studies at the 4000 level

Three additional courses (9.0 credit hours) in Native American Studies, Blackfoot, or Cree

x. Philosophy

Students must complete a minimum of 13 courses.

Required courses:**Logic****Two of:**

Logic 1000 - Critical Thinking
 Logic 2003 - Symbolic Logic I
 Logic 3003 - Symbolic Logic II

History of Philosophy**Two of:**

Philosophy 2010 - Ancient Philosophy
 Philosophy 2030 - 17th-Century Philosophy: Descartes to Leibniz
 Philosophy 3350 - Analytic Philosophy
 Philosophy 3409 - 18th-Century Philosophy: Leibniz to Kant
 Philosophy 3420 - Wittgenstein

Philosophy of Values**One of:**

Philosophy 2001 - Introduction to Ethics
 Philosophy 3401 - Social and Political Philosophy
 Philosophy 3410 - Advanced Ethics

One of:

Philosophy 2150 - Philosophy of Art
 Philosophy 2236 - Environmental
 Philosophy
 Philosophy 3402 - Biomedical Ethics
 Philosophy 3404 - Philosophy of Law
 Philosophy 3411 - Game Theory in
 Philosophy
 Philosophy 3413 - Feminist Philosophy
 Philosophy 3450 - Philosophy of War

Philosophy of Reality**Two of:**

Philosophy 2002 - Belief, Truth, and
 Paradox
 Philosophy 2210 - Philosophy of Religion
 Philosophy 2220 - Philosophy of Mind
 Philosophy 2233 - Philosophy and the
 World View of Science: Earth and Life
 Sciences
 Philosophy 2234 - Philosophy and the
 World View of Science: Space, Time
 and Matter
 Philosophy 3260 - Metaphysics
 Philosophy 3270 - Theory of Knowledge
 Philosophy 3280 - Philosophy of Language

One course (3.0 credit hours) at the 4000 level
 in Philosophy or Logic

Four additional courses (12.0 credit hours) in
 Philosophy or Logic

y. Physics

Students must complete a minimum of 14
 courses.

Required courses:

Mathematics 1410 - Elementary Linear Algebra
 Mathematics 2570 - Calculus III
 Physics 2000 - Introduction to Physics II
 Physics 2020 - The Physics of Everyday Life
 Physics 2120 - Introduction to Physics III
 Physics 2130 - Waves, Optics and Sound
 Physics 2150 - Quantum Mechanics I
 Physics 2925 - Introduction to Experimental
 Physics
 Physics 3750 - Contemporary Physics

One of:

Mathematics 1560 - Calculus I
 Mathematics 1565 - Accelerated
 Calculus I (recommended)

One of:

Mathematics 2560 - Calculus II
 Mathematics 2565 - Accelerated
 Calculus II (recommended)

One of:

Physics 1000 - Introduction to Physics I
 Physics 1050 - Introduction to Biophysics
¹Engineering 2060 - Engineering Mechanics

One of:

Astronomy 2020 - Modern Astronomy
 Astronomy 2070 - The Solar System

One additional course (3.0 credit hours) in
 Physics, Astronomy, or Engineering

Notes

¹Engineering 2000 and Mathematics 1565 are
 prerequisites for Engineering 2060.

Students wishing to include 3000-level Physics
 courses in their program must take
 Mathematics 2580 (Calculus IV) which is a
 prerequisite for such courses except
 Physics 3750 and some offerings of the
 Physics 3900 Series.

It is recommended that Physics majors in
 Combined Degrees include courses in Biology,
 Chemistry, Computer Science, and
 Mathematics.

Since a number of senior-level Physics courses
 are offered only in alternate years, students are
 advised to plan carefully to include the desired
 courses. Students with a major in Physics are
 strongly advised to seek help in planning their
 program from the Department of Physics and
 Astronomy.

z. Political Science

Students must complete a minimum of 13
 courses.

Required courses:

Political Science 1000 - Introduction to Political
 Science
 Political Science 2110 - International Relations
 Political Science 2210 - Canadian Politics and
 Government
 Political Science 2310 - Comparative Politics
 and Government
 Political Science 2511 - Introduction to Political
 Theory
 Political Science 2610 - Introductory Research
 Methods

Five courses (15.0 credit hours) in Political
 Science at the 3000/4000 level

Two courses (6.0 credit hours) in Political
 Science at the 4000 level

Notes

Political Science 4980 (Applied Studies) and
 Political Science 4990 (Independent Study) may
 not be included as part of the 13-course
 minimum for the major; they are strongly
 encouraged for students taking courses beyond
 this minimum, however.

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

Students must complete a minimum of 13
 courses.

Required courses:

Psychology 1000 - Basic Concepts of
 Psychology
 Psychology 2030 - Methods and Statistics

Four courses (12.0 credit hours) in Psychology
 or Neuroscience at the 2000 level

Six courses (18.0 credit hours) in Psychology or
 Neuroscience at the 3000/4000 level

One course (3.0 credit hours) in Psychology at
 the 4000 level

bb. Religious Studies

Students must complete a minimum of 14 courses.

Required courses:

Religious Studies 1000 - Introduction to World Religions

Religious Studies 2001 - Studying Religion Critically

Religious Studies 4001 - Concepts and Methods in the Study of Religion

One of (Eastern Religions):

Religious Studies 2100 - The Hindu Tradition

Religious Studies 2200 - The Buddhist Tradition

Religious Studies 2300 - East Asian Religions

One of (Western Religions):

Religious Studies 2400 - Judaism

Religious Studies 2450 - Bible Survey

Religious Studies 2500 - Christianity

Religious Studies 2600 - Islam

One of:

Religious Studies 4000 - Seminars in Religious Studies (Series)

Religious Studies 4110 - Seminars in Eastern Religions (Series)

Religious Studies 4400 - Seminars in Western Religions (Series)

¹One of:

Anthropology 2550 - Anthropology of Religion

Anthropology 3500 - Ritual, Practice, and Performance

Archaeology 3171 - Ancient Israel

Greek 1200 - Elementary Biblical Greek I

Greek 1300 - Elementary Biblical Greek II

Hebrew 1000 - Elementary Hebrew I

Hebrew 1100 - Elementary Hebrew II

History 3007 - Greek and Roman Mythology

History 3103 - The Crusades

History 3402 - The Reformation

Latin 1000 - Elementary Latin I

Latin 1100 - Elementary Latin II

Native American Studies 2000 - Native American Philosophy

Native American Studies 3000 - Native American Philosophy - Advanced

Philosophy 2010 - Ancient Philosophy

Philosophy 2210 - Philosophy of Religion

Philosophy 3260 - Metaphysics

Political Science 3510 - Political Thought Before 1500

Political Science 3525 - Politics and Religion

Sociology 3330 - Sociology of Religion

Two additional courses (6.0 credit hours) in Religious Studies at the 2000 level selected from Eastern Religions or Western Religions

² Five additional courses (15.0 credit hours) in Religious Studies at the 3000/4000 level, excluding Religious Studies 3980 and 4980

(Applied Studies), and Religious Studies 4995 (Undergraduate Thesis)

Notes

¹ Most of the courses in this list have prerequisites that are not part of the major.

² A maximum of one Independent Study course (3.0 credit hours) may be used to fulfill the 3000/4000-level requirement.

From time to time, Topics courses in other disciplines will address the subject of religion. These will be considered for credit toward a Religious Studies major on an individual basis and must be approved by the Department Chair.

cc. Sociology

Students must complete a minimum of 10 courses.

Required courses:

Sociology 1000 - Introduction to Sociology

Sociology 2100 - Research Methodology

Sociology 2300 - Committing Sociology

Sociology 3210 - Classical Sociological Theory

Sociology 3220 - Contemporary Sociological Theory

One of:

Sociology 3110 - Survey Research

Sociology 3120 - Qualitative Research Methods

Four additional courses (12.0 credit hours) in Sociology at the 3000/4000 level

dd. Urban and Regional Studies

Students must complete 15 of the 21 courses normally required for the major in Urban and Regional Studies for the B.A. (see **Part 7- Arts and Science, p. 134**). At least six of the courses must be taken at the 3000/4000 level. Nine courses should be selected from the core list. The remaining six courses must include at least two disciplines. Please contact an Arts and Science academic advisor for more information.

ee. Women and Gender Studies

Students must complete a minimum of 13 courses.

Required courses:

Women and Gender Studies 1000 - Knowing Bodies: An Introduction to Women and Gender Studies

Women and Gender Studies 2300 - Theorizing Women's Lives: Feminist Frameworks

Women and Gender Studies 2600 - Activism and Advocacy

Women and Gender Studies 2700 - Feminist Approaches to Research

Six courses (18.0 credit hours) in Women and Gender Studies at the 3000/4000 level

Three additional courses (9.0 credit hours) in Women and Gender Studies

Notes

With the permission of the Department Chair, students may take a maximum of two courses (6.0 credit hours) from other disciplines which offer related or complementary course materials.

Students may take more than one offering of a Series course or more than one Independent Study for credit if the offerings (as indicated by the specific titles) are distinct.

2. Management Majors

- a. Students may choose a B.Mgt. major in Accounting; Economics; Finance; First Nations' Governance; General Management; Human Resource Management and Labour Relations; *Information Systems; International Management; Marketing; and Political Science.

*Major in Information Systems has been suspended (see p. 216)

Students may complete two majors as part of a degree program in Management by completing the normal degree requirements including the specific requirements for both majors. Students who elect to complete a second major may be required to extend their program beyond 50 courses.

- b. All specific requirements for a B.Mgt. major must be fulfilled. Total requirements for each B.Mgt. major program follow:

Minimum Grade Requirement

A minimum grade of 'C-' is required in Statistics 1770; Economics 1010 and Economics 1012; Writing 1000 OR a university English course; all Management courses; and all courses in the major marked with an asterisk (*) in order to meet degree requirements.

I. Accounting

Students choosing the Accounting major will be required to complete 23 Management courses for the Management portion of the combined B.A./B.Mgt. and B.Sc./B.Mgt. degrees.

Economics 3030 - Managerial Economics
 Management 3010 - Management Law
 Management 3100 - Intermediate Financial Accounting I
 Management 3101 - Intermediate Financial Accounting II
 Management 3130 - Cost Accounting
 Management 3131 - Management Control Systems
 Management 3151 - Introduction to Tax
 Management 3160 - Auditing
 Management 3470 - Corporate Finance
 Management 4110 - Advanced Financial Accounting
 Management 4151 - Advanced Tax
 Management 4160 - Accounting Theory

One of:

Management 3170 - Accounting Information Systems
 Management 3180 - Financial Reporting in a Case-Based Environment
 Management 4130 - Advanced Managerial Accounting II

One of:

Mathematics 1010 - Introduction to Calculus
 Mathematics 1410 - Elementary Linear Algebra
 Mathematics 1510 - Calculus for Management and Social Sciences

One of:

Economics 2900 - Economics and Business Statistics
 Statistics 2780 - Statistical Inference

Note: Refer to Residence Requirement (p. 284) for the Accounting residence requirement.

2. Economics

*Economics 2750 - Quantitative Methods in Economics

*Economics 3010 - Intermediate Microeconomic Theory

*Economics 3012 - Intermediate Macroeconomic Theory

One of:

Mathematics 1010 - Introduction to Calculus
 Mathematics 1510 - Calculus for Management and Social Sciences
 Mathematics 1560 - Calculus I

One of:

*Economics 2900 - Economics and Business Statistics
 *Statistics 2780 - Statistical Inference

*Five Economics courses, four of which must be at the 3000 or 4000 level
 Three additional Management electives at the 3000 or 4000 level

Note: In the B.Mgt. Economics major, the unspecified Economics courses count toward the 20 courses required for the B.Mgt. portion of the B.A./B.Mgt or the B.Sc./B.Mgt.

3. Finance

Economics 3030 - Managerial Economics
 Mathematics 1510 - Calculus for Management and Social Sciences
 Management 3412 - Fundamentals of Investments
 Management 3470 - Corporate Finance
 Management 4430 - Financial Management
 Management 4451 - Derivative Securities Markets

Two of:

Management 3441 - Financial Analysis
 Management 3460 - Global Financial Management
 Management 3480 - Personal Finance
 Management 4421 - Financial Institutions and Markets
 Management 4460 - Trading and Portfolio Management
 Management 4470 and Management 4471 - Student Managed Investment Fund

One of:

Economics 2900 - Economics and Business Statistics
 Statistics 2780 - Statistical Inference

Two additional Management electives at the 3000 or 4000 level

4. First Nations' Governance

- *Native American Studies 1000 - Introduction to Native American Studies
- *Native American Studies 2100 - Aboriginal Peoples and Law

One of:

- *Native American Studies 2400 - Traditional Aboriginal Political Economy
- *Native American Studies 2800 - Native American Politics

One of:

- *Management 4507/Native American Studies 4120 - Historical and Legal Aspects of First Nations' Governments
- *Management 4508/Native American Studies 4150 - Administrative Aspects of First Nations' Governments

One of:

- *Blackfoot 1000 - Introductory Spoken Blackfoot
- *Cree 1000 - Introductory Spoken Cree

A minimum of four courses from one of the following subfield lists (Community, Gender, and Traditional Knowledge; Government, Organizations, and Politics; History and Law):

List 1 - Community, Gender, and Traditional Knowledge

- *Management 4508/Native American Studies 4150 - Administrative Aspects of First Nations' Governments
- *Native American Studies 2000 - Native American Philosophy
- *Native American Studies 2230 - Family and First Nations' Community Development
- *Native American Studies 2400 - Traditional Aboriginal Political Economy
- *Native American Studies 2700 - Native American Women
- *Native American Studies 3000 - Native American Philosophy - Advanced
- *Native American Studies 3250/Management 3500 - Financial Management in Aboriginal Communities
- *Native American Studies 3506/Management 3506 - Aboriginal Small Business and Entrepreneurship in Canada
- *Native American Studies 3700 - Native American Health
- ¹*Native American Studies 4700 - The Metis
- *Any offering in Native American Studies 3850 or Native

American Studies 4850 with an emphasis on Community, Gender, and Traditional Knowledge.

List 2 - Government, Organizations, and Politics

- Management 3590/Native American Studies 3590 - Current Practices in Aboriginal Governments
- *Management 4507/Native American Studies 4120 - Historical and Legal Aspects of First Nations' Governments
- *Management 4508/Native American Studies 4150 - Administrative Aspects of First Nations' Governments
- *Native American Studies 2150 - Native Rights in the United States
- *Native American Studies 2400 - Traditional Aboriginal Political Economy
- *Native American Studies 2800 - Native American Politics
- *Native American Studies 3400 - Contemporary Aboriginal Political Economy
- ²*Native American Studies 3550 - U.S. Indian Policy
- *Any offering in Native American Studies 3850 or Native American Studies 4850 with an emphasis on Government, Organizations, and Politics.

List 3 - History and Law

- *Management 4507/Native American Studies 4120 - Historical and Legal Aspects of First Nations' Governments
- *Native American Studies 2150 - Native Rights in the United States
- *Native American Studies 2500 - Canadian Indian History
- *Native American Studies 2550 - U.S. Indian History
- *Native American Studies 3280/Management 3580 - Aboriginal Peoples and Natural Resources
- *Native American Studies 3500 - History of Prairie Indian Treaties
- *Native American Studies 4200 - Law and Aboriginal Development in Canada
- *Native American Studies 4400 - Indians and the Criminal Justice System
- ¹*Native American Studies 4700 - The Metis
- *Any offering in Native American Studies 3850 or Native American Studies 4850 with an emphasis on History and Law.

Note: Courses may count only for a major requirement or for one subfield.

¹ Prerequisite required: Native American Studies 3500

² Prerequisite required: Native American Studies 2550

Two additional Management Electives at the 3000 or 4000 level

Note: In the B.Mgt. First Nations' Governance major, all courses in the selected subfield list and both Native American Studies courses in the "One of" lists count toward the 20 courses required for the B.Mgt. portion of the B.A./B.Mgt. or the B.Sc./B.Mgt.

5. General Management

Management 2700 - Research Methodology
Seven 3000/4000-level Management Electives

6. Human Resource Management and Labour Relations

Management 2700 - Research Methodology
Management 3310 - Collective Labour Relations
Management 4310 - Advanced Organizational Behaviour
Management 4350 - Staffing

Three of:

Management 3305 - Managing Employee Health and Safety
Management 3315 - Diversity in Employment
Management 3920 - Project Management
Management 4305 - Canadian Labour and Employment Law
Management 4315 - Performance Management
Management 4330 - Collective Bargaining
Management 4370 - Leadership in Organizations
Management 4390 - Leading Organizational Change

One of:

Economics 2900 - Economics and Business Statistics
Statistics 2780 - Statistical Inference

One additional Management Elective at the 3000 or 4000 level

7. Information Systems

Note: Admission to the Major in Information Systems for the B.A./B.Mgt. and B.Sc./B.Mgt. has been suspended, beginning May 1, 2013 (i.e. for the 2013/2014 academic year and thereafter, until further notice).

Computer Science 1620 - Fundamentals of Programming I
Economics 3030 - Managerial Economics
Management 3821 - Visual Programming Applications
Management 3822 - Object-Oriented Programming for Web Applications

Management 3830 - Contemporary Database Applications
Management 4840 - Systems Analysis
Management 4841 - Systems Design

One of:

Economics 2900 - Economics and Business Statistics
Statistics 2780 - Statistical Inference

Two additional Management Electives at the 3000 or 4000 level

8. International Management

Five of:

Management 3070 - Introduction to Supply Chain Management
Management 3460 - Global Financial Management
Management 3552 - Sustainable Tourism
Management 3640 - Cross-Cultural Management Practices
Management 3660/Geography 3225 - Industrial Location and Globalization of Enterprise
Management 3670/Political Science 3170 - The Politics of Canadian Trade Policy
Management 3685 - Issues in International Management (Series)
Management 3815 - Regional Aspects of International Management (Series)
Management 3860 - Law and Institutions of International Trade
Management 4220 - Cross-Cultural Marketing
Management 4580 - Environmental Management
Management 4640 - Cross-Cultural Work Study

Note: Students may take up to two Series courses to the "Five of" elective requirement: two offerings in the Management 3685 Series; two offerings in the Management 3815 Series; or one offering from each Series.

Three Management courses at the 3000 or 4000 level

Language Minor:

In addition to completing an international exchange term as part of the major, students in the International Management major must declare and complete a Language minor. The Language minor will be acknowledged on the official transcript. All Language courses completed prior to the exchange must have a minimum grade of 'C-'. Students must select one of the following minors:

- a. Minor: French
Four courses in French
- b. German
Four courses in German

Note: Admission to the Major in German/Modern Languages Education: German for the B.A./B.Ed. has been suspended, beginning May 1, 2013 (i.e. for the 2013/2014 academic year and thereafter, until further notice).

- c. Minor: Japanese
Four courses in Japanese
- b. Spanish
Four courses in Spanish

Note: *If the University does not offer a sufficient number of courses to meet the four-course Language minor, students may obtain permission from the Faculty of Management to attend other institutions in order to fulfill their language requirements and credit will be approved toward the University of Lethbridge degree. The International Management major includes an international exchange term. In general, a student may not select his or her native language as the language of study.*

All students in the International Management major are required to participate in an international exchange. Students study at an international university for one semester, and take the equivalent of the following courses while on the exchange:

Two 3000 or 4000 level Management electives

Two electives chosen to meet the Liberal Education List Requirement (see **Part 4 - Academic Regulations, Liberal Education List Requirement, p. 79**)

The exchange courses are part of the 50 courses required by the Combined Degrees program.

Students participating in a European exchange must complete a minimum of courses equivalent to 24.0 credits under the European Credit Transfer Accumulation System (ECTS). Course credits completed at an international university may vary from the University of Lethbridge credit system.

9. Marketing

- Economics 3030 - Managerial Economics
- Management 3210 - Consumer Behaviour
- Management 3215 - Introduction to Marketing Communications and Social Media
- Management 3220 - Marketing Research
- Management 4230 - Marketing Management
- Psychology 1000 - Basic Concepts of Psychology
- Sociology 1000 - Introduction to Sociology

One of:

- Psychology 2320 - Cognition and Perception: Thinking and Seeing
- Psychology 2330 - Learning and Cognition
- Psychology 2700 - Behaviour and Evolution
- Psychology 2800 - Social Psychology
- Sociology 2300 - Committing Sociology
- Sociology 2410 - Sociology of Gender
- Sociology 2600 - The Individual and Society
- Sociology 2700/Health Sciences 2700 - Health and Society
- Sociology 3220 - Contemporary Sociological Theory
- Sociology 3420 - Sociology of Work

One of:

- Economics 2900 - Economics and Business Statistics
- Statistics 2780 - Statistical Inference

Four of:*

- Management 3225 - Brand Management
- Management 3230 - Retailing Management
- Management 3240 - Sales Management
- Management 3250 - Social Marketing
- Management 3260 - Not-for-Profit Marketing
- Management 3280 - Services Marketing Management
- Management 3290 - Marketing and Society
- Management 3806 - Small Business Management
- Management 3862 - E-commerce Management
- Management 4215 - Advanced Marketing Communications and Social Media
- Management 4220 - Cross-Cultural Marketing

**If students wish to further specialize within the field of Marketing, they may choose a concentration in Marketing Communications or Socially Responsible Marketing. Concentrations are not required. Students who choose a concentration will replace the "Four of" requirement above with the courses in the chosen concentration, listed below.*

Marketing Communications Concentration

- Management 3862 - E-commerce Management
- Management 4215 - Advanced Marketing Communications and Social Media

Two of:

- Management 3225 - Brand Management
- Management 3980 - Applied Studies/Field Experience I (with a marketing communications focus)

- Management 3990 - Independent Study (with a marketing communications focus)
- ¹ New Media 2005 - Design Fundamentals for New Media
- ¹ New Media 2010 - Visual Communications for New Media
- New Media 3250 - Media, Advertising, and Consumer Culture
- New Media 3700 - Event and Exhibition Design

OR

Socially Responsible Marketing Concentration

Two of:

- ² Management 3250 - Social Marketing
- ² Management 3260 - Not-for-Profit Marketing
- ² Management 3290 - Marketing and Society

Two of:

- ² Management 3250 - Social Marketing
- ² Management 3260 - Not-for-Profit Marketing
- ² Management 3290 - Marketing and Society
- Management 3552 - Sustainable Tourism
- Management 3710 - Managing Not-for-Profit Organizations
- Management 3980 - Applied Studies/Field Experience I (with a not-for-profit organization)
- Management 4580 - Environmental Management
- ³ Management 4640 - Cross-Cultural Work Study
- New Media 3250 - Media, Advertising, and Consumer Culture

¹ Students should be aware that these courses have prerequisites which may require taking courses extra to their minimum degree requirements. Students are strongly advised to discuss their program with an academic advisor early in their program.

² Students cannot use Management 3250, Management 3260, and Management 3290 to fulfill requirements from both "Two of:" lists.

³ The work study placement must have a primary focus on social responsibility, social marketing, or it must be housed within a non-for-profit organization in order to receive credit for the Socially Responsible Marketing Concentration.

10. Political Science

- Management 2700 - Research Methodology
- Political Science 1000 - Introduction to Political Science
- Political Science 2210 - Canadian Politics and Government

*Six Political Science courses, four of which must be at the 3000 or 4000 level

One additional Management Elective at the 3000 or 4000 level

Note: In the B.Mgt. Political Science major, the unspecified Political Science courses count toward the 20 courses required for the B.Mgt. portion of the B.A./B.Mgt or the B.Sc./B.Mgt.

f. Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

g. Management Minor Requirements

Note: The minor in Information Systems for the B.A./B.Mgt., and B.Sc./B.Mgt. has been suspended, beginning May 1, 2013 (i.e. for the 2013/2014 academic year and thereafter, until further notice).

Students may elect to complete minors in Information Systems, Social Responsibility, and Supply Chain Management in the B.A./B.Mgt. or B.Sc./B.Mgt. program. In some cases, achievement of the minor and a chosen major will require a student to take extra courses (see **Part I I - Management, Minors, p. 223**).

h. Academic Regulations

In the Combined Degrees program, students divide their time between different Faculties which have different standards of academic performance. Students should read the academic regulations for each Faculty in which a portion of the Combined Degrees will be taken. For the B.A./B.Mgt. or B.Sc./B.Mgt., students should be aware of the Arts and Science regulations (**Part 7**) and the Management regulations (**Part I I**).

i. Residence Requirement

Students must complete a minimum of 30 courses at the University of Lethbridge, including 10 Management courses at the 3000 or 4000 level, and 20 courses offered by the Faculty of Arts and Science or Faculty of Fine Arts, including at least one-half of the required courses for the Arts and Science major.

Accounting major: In addition to meeting the residence requirement for their program, students in the Accounting major must complete five of the following courses at the University of Lethbridge:

- Management 3100 - Intermediate Financial Accounting I
- Management 3101 - Intermediate Financial Accounting II
- Management 3130 - Cost Accounting
- Management 3131 - Management Control Systems
- Management 3151 - Introduction to Tax
- Management 3160 - Auditing
- Management 3170 - Accounting Information Systems
- Management 3180 - Financial Reporting in a Case-Based Environment
- Management 4110 - Advanced Financial Accounting
- Management 4130 - Advanced Managerial Accounting II
- Management 4151 - Advanced Tax
- Management 4160 - Accounting Theory

10. POST-DIPLOMA COMBINED DEGREES PROGRAMS IN FINE ARTS AND EDUCATION

The Faculties of Fine Arts and Education jointly offer a 35-course (105.0 credit hour) Combined Degrees program leading to the degrees Bachelor of Fine Arts - Art (B.F.A. - Art), Bachelor of Fine Arts - Dramatic Arts (B.F.A. - Dramatic Arts), or Bachelor of Music (B.Mus.), and Bachelor of Education (B.Ed.) to holders of eligible diplomas in Art, Theatre or Dramatic Arts, or Music. Upon successful completion of the Combined Degrees program, the student receives the B.F.A. - Art, B.F.A. - Dramatic Arts, or B.Mus. degree from the Faculty of Fine Arts and the B.Ed. degree from the Faculty of Education.

Note: *The B.F.A. - Multidisciplinary is not available as a Post-Diploma Combined Degrees program.*

a. Admission

Students begin in the Pre-Post-Diploma B.F.A. - Art or Dramatic Arts/B.Ed. or Pre-Post-Diploma B.Mus./B.Ed. program in the Faculty of Fine Arts. After completion of 10 courses (30.0 credit hours), including Education 2500 (or equivalent), students must apply for admission to the Faculty of Education. Students are not officially in the Post-Diploma Combined Degrees program until they have been admitted to both the Faculty of Fine Arts and the Faculty of Education.

Applications are accepted for the Pre-B.Mus./B.Ed. and the Pre-B.F.A. - Dramatic Arts/B.Ed. programs for the fall term only. Applications are accepted for the Pre-B.F.A. - Art program for both fall and spring terms. Applicants should consult **Part I – Admission** for general admission requirements, policies and deadlines.

- I. Faculty of Fine Arts Admission Requirements for the Pre-Post-Diploma B.F.A. - Art, Pre-Post-Diploma B.F.A. - Dramatic Arts/B.Ed., and Pre-Post-Diploma B.Mus./B.Ed.

- a. Completion of an approved two- or three-year college diploma in Art, Theatre or Dramatic Arts, or Music with a cumulative diploma GPA of at least 2.50.

See www.uleth.ca/postdiploma for current information on diplomas approved for admission to Post-Diploma degree programs in the Faculty of Fine Arts. The Faculty will consider diplomas not previously approved for admission on a case-by-case basis.

Note: *Approval is dependent upon the diploma program containing the courses required for the first two years of the B.F.A. - Art or Dramatic Arts, or B.Mus. program. The diploma program must include a minimum of 16 courses in the discipline.*

- b. The appropriate portfolio or audition for the program by the appropriate decision document deadline. Details are provided below.

Portfolio/Audition Content

Art: See Art Portfolio instructions in **Part 9 - Fine Arts, Bachelor of Fine Arts - Art, p. 166.**

Portfolio requirements are also available at: www.uleth.ca/finearts/admissions

Dramatic Art

Materials representative of 10-20 recent theatre experiences as performer, designer or technician. Examples include: list of productions, roles, reviews, photographs, programs and/or video.

Portfolio requirements are also available at: www.uleth.ca/finearts/admissions

Music

A live audition or 20-minute video demonstrating musicianship, musical development, overall ability and potential. Applicants to the Pre-Post-Diploma B.Mus./B.Ed. program must successfully audition into Studio V - (Instrument) (Music 3548) to be eligible for admission. The audition application and additional information are available at:

www.uleth.ca/finearts/admissions

Also see **Part 9 - Fine Arts, Bachelor of Music, Music Major, p. 168.**

Portfolio Submission

Portfolios are submitted online at:

www.ulethbridge.slideroom.com

For more information, visit the Faculty of Fine Arts website at www.uleth.ca/finearts/admissions, contact the Faculty of Fine Arts Admissions and Portfolio Advisor at 403-380-1864, or email finearts.admissions@uleth.ca.

2. Faculty of Education Admission Requirements for the Post-Diploma B.F.A. - Art, Post-Diploma B.F.A. - Dramatic Arts/B.Ed., and Post-Diploma B.Mus./B.Ed.

Based on the Faculty's quota system, normally a total of 216 students will be admitted to Bachelor of Education programs (Combined Degrees and After Degree) each year. Admission for this undergraduate teacher preparation program is available in the fall term only.

Because admission to the Faculty is competitive within each teaching major, the completion of minimum admission requirements does not guarantee admission to the program. Successful applicants are selected each year from a pool that includes both Combined Degrees and After Degree applicants.

Applicants are encouraged to consult early with Student Program Services in the Faculty of Education regarding admission requirements and program planning.

Applicants must meet the following minimum requirements for admission to the Faculty of Education:

- a. Credit in Education 2500 - Practicum I - Orientation to Teaching (or equivalent) including a favourable recommendation from the instructor (see **Part 8 – Education, Education 2500 Prerequisite, p. 157**).
- b. A minimum admission GPA of 2.50 (on the University of Lethbridge 4.00 scale), calculated on all University of Lethbridge and transferable

courses completed within the terms containing the last 20 courses (60.0 credit hours). If any part of the diploma falls within the last 20 courses (60.0 credit hours), the entirety of the diploma (i.e., the diploma GPA) is included in the calculation. All courses must be graded with the exception of Education 2500.

- c. A minimum major GPA of 2.50 (on the University of Lethbridge 4.00 scale), calculated on the completed diploma and all additional graded courses comprising the major:

Art: Art, Art History, and Museum Studies courses

Dramatic Arts: Dramatic Arts courses

Music: Music and Music Ensemble Activity courses

- d. Special Case Admission

Applicants who have a satisfactory academic record but who, for some reason, had a period of time when their performance was significantly lower may apply for Special Case admission (up to four such applicants may be admitted each year). See **Part 8 - Education, Special Case Admission (p. 154)** for details.

- e. Admission Procedures Available to Students of Aboriginal Descent

The Faculty of Education provides two alternative admission opportunities for applicants of Aboriginal descent. See **Part 8 - Education, Admission Procedures Available to Students of Aboriginal Descent (p. 154)** for details.

- f. Returning after Withdrawal or Required Withdrawal from the Faculty of Education

Students who withdrew or who were required to withdraw from the Faculty of Education should refer to **Part 8 - Education, Readmission after Withdrawal (p. 154)**.

b. Faculty of Fine Arts Requirements for the 35-Course (105.0 credit hours) Post-Diploma B.F.A. - Art or Dramatic Arts/B.Ed. or Post-Diploma B.Mus./B.Ed.

1. Completion of at least 15 courses from disciplines offered by the Faculty of Fine Arts or the Faculty of Arts and Science with a GPA of at least 2.00.
2. Completion of a minimum of eight courses (24.0 credit hours) in the discipline (Art, Art History, Drama, Museum Studies, or Music) with a GPA of at least 2.50. These courses will be a subset of the courses currently required in the B.F.A. - Art or Dramatic Arts/B.Ed. or B.Mus./B.Ed. programs.
3. Completion of seven courses from the Social Sciences and Sciences to fulfill the Liberal Education List Requirement as follows (see **Part 4 - Academic Regulations, Liberal Education List Requirement, p. 79**):
 - a. Two courses from each of List II: Social Sciences and List III: Sciences.
 - b. Three additional courses from either of these two areas.
4. Completion of at least eight courses (24.0 credit hours) at the 3000/4000 level.

5. A maximum of three Independent Studies (see **Part 4 - Academic Regulations, Exceeding Course Limits, p. 66**).
6. The entire program must be approved in advance by an academic advisor in the Faculty of Fine Arts.

Required Art, Art History and Museum Studies Courses:

Note: * = 6.0 credit hours

Art 2031 - Foundation Studio (Drawing and Image)

Art 2032 - Foundation Studio (Object and Space)

Art 3010 - Drawing (Principles and Practices)

*Art 3040 - Advanced Studio (6.0 credit hours)

*Art 4048 - Senior Studio (6.0 credit hours)

Art History 1000 - Introduction to Art

Art History 2001 - Contemporary Art Practices and Theories

Art History 2225 - A Brief History of World Art

One of (3.0 credit hours):

Art 3060 - Media Arts (Introduction to Digital Studio)

Art 3061 - Media Arts (Video Sketchbook)

One of (3.0 credit hours):

Art 3261 - Art NOW

Art 3262 - Art NOW

Art Studio: List I

Two of (6.0 credit hours):

Art 3005 - Print Media Without a Press

Art 3022 - Introduction to Painting

Art 3026 - Photo-Arts I

Art 3032 - Sculpture I

Art Studio: List II

Four of (12.0 credit hours):

Art 3007 - Advanced Print Media

Art 3011 - Drawing (Advanced)

Art 3015 - Art Studio (Series)

Art 3023 - Painting Studio: Material, Colour, Space

Art 3024 - Painting Studio: Painting in the Expanded Field

Art 3027 - Photo-Arts II

Art 3028 - Photo-Arts III

Art 3033 - Sculpture II

Art 3034 - Sculpture III

Art 3035 - Context and Environment

Art 3062 - Media Arts (Advanced Digital Studio)

Art 3160 - Drawing (The Body)

Art History: List A

One of (3.0 credit hours):

Art History 3200 - Issues in 19th-Century Art and Culture

Art History 3215 - 20th-Century Art History to 1945

Art History 3240 - Canadian Art History to 1960

Museum Studies 2900 - Introduction to Museum Studies

Art History: List B

One of (3.0 credit hours):

Art History 3220 - Art from 1945 to 1980

Art History 3245 - Canadian Art History from 1960 to the Present

Art History 3270 - Global Art Since 1980

Art History: List C

One of (3.0 credit hours):

- Art History 3151 - Art History (Series)
- Art History 3250 - Northwest Coast Art
- Art History 3850 - Topics in Art History
- Art History 4150 - Art History (Series)
- Museum Studies 3850 - Topics in Museum Studies
- Museum Studies 3900 - Exhibiting Cultures: Art Galleries, Museums and Cultures of Display
- Museum Studies 4000 - Museum Studies Internship

One further course chosen from Art History Lists A, B, or C

Required Drama courses:

- Drama 1000 - Introduction to Dramatic Arts
- Drama 2010 - Performance Fundamentals
- Drama 2100 - Play Reading and Analysis
- Drama 2120 - History and Development of Theatre I
- Drama 2130 - History and Development of Theatre II
- Drama 2310 - Acting I
- Drama 2420 - Directing I
- Drama 2611 - Technical Theatre Portfolio I
- Drama 2810 - Introduction to Stagecraft
- Drama 3100 - Theatre in Performance
- Drama 3420 - Directing II
- Drama 3600 - Drama Portfolio II

One of:

- Drama 2320 - Voice I
- Drama 2340 - Movement I
- Drama 2510 - Theatre for Young Audiences I
- Drama 2740 - Theatre Creation I
- Drama 2830 - Stage Makeup

One of:

- Drama 3130 - Canadian Theatre
- Drama 3151 - Play Reading and Analysis II

Required Music courses:

Applied

- Music 2148 - Studio I - (Instrument)
- Music 2248 - Studio II - (Instrument)
- Music 3348 - Studio III - (Instrument)
- Music 3448 - Studio IV - (Instrument)
- Music 3548 - Studio V - (Instrument)
- Music 3648 - Studio VI - (Instrument)

Note: *Composition is not available as a Studio area in the B.Mus./B.Ed.*

History

- Music 2080 - Western Art Music
- Music 2090 - The Eighteenth Century
- Music 3090 - The Medieval Era to the Early Baroque
- Music 3480 - The Nineteenth Century
- Music 3580 - The Twentieth and Twenty-first Centuries

Theory

- Music 2160 - Theory I
- *Music 2161 - Musicianship Skills I
- Music 2260 - Theory II
- *Music 2261 - Musicianship Skills II
- Music 3360 - Theory III
- *Music 3361 - Musicianship Skills III

- Music 3460 - Theory IV
- *Music 3461 - Musicianship Skills IV

* 1.5 credit hours.

Conducting

- Music 3500 - Conducting I
- Music 3600 - Conducting II

Technology

- Music 3738 - Music Education Technologies

Ensembles

Six Ensemble Activity courses (Each Music Ensemble Activity counts as one-half course (i.e., 1.5 credit hours))

Note: *Music Ensemble Activity participation is determined by the focus of the Music major and must be fulfilled as follows:*

Major Focus Music Ensemble Activity

Studio wind & percussion	Wind Orchestra
Studio voice	University Singers or Women's Chorus
Studio pianist & guitarist	Music Ensemble Activity 2450, Music Ensemble Activity 2451, Music Ensemble Activity 3450, Music Ensemble Activity 3451, and a minimum of two terms (1.5 credit hours each) of: Contemporary and Electroacoustics Ensemble Jazz Ensemble Percussion Ensemble University Singers Vox Musica Wind Orchestra Women's Chorus
Studio string	Orchestra (or through other approved ensemble or Independent Study by permission of the Department of Music)

Not more than two Music Ensemble Activities may be counted toward the Ensemble participation requirement in a given term.

Elective

One of:

- Music 2500 - Introduction to Music Technology
- Music 2850 - Topics in Music
- Music 3000 - Seminar in Music (Series) with an emphasis on History
- Music 3000 - Seminar in Music (Series) with an emphasis on Literature
- Music 3000 - Seminar in Music (Series) with an emphasis on Pedagogy
- Music 3000 - Seminar in Music (Series) with an emphasis on Theory
- Music 3030 - Film Music
- Music 3080 - Popular Music History (Series)
- Music 3149 - Composition I
- Music 3606 - Orchestration
- Music 3660 - Theory V
- Music 3721 - World Music
- Music 3734 - Portfolio and Music Industry

Music 3850 - Topics in Music
 Music 3871 - Opera Workshop I
 Music 4080 - Music After 1945
 Music 4660 - Form and Analysis
 Music 4721 - Canadian Music
 Music 4748 - Studio VII - (Instrument)
 Music 4850 - Topics in Music
 Two Music Ensemble Activity courses (1.5 credit hours each)

c. Faculty of Education Requirements for the 35-Course (105.0 credit hours) Post-Diploma B.F.A. - Art or Dramatic Arts/B.Ed. or Post-Diploma B.Mus./B.Ed.

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 (Education 4574, Art or Drama; Education 4575, Music)
 - **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, some school jurisdictions and schools may require a criminal record check (or equivalent) from student teachers prior to practicum. The student is responsible for the cost of obtaining such documentation.

***The Education Foundation Requirement may be met in the following ways:*

 - a. One course from the following list:
 - Education 4310 - Comparative Studies of Education in Developed and Third World Nations
 - Education 4311 - World Issues and Problems in Education
 - Education 4320 - Education and Society from a Sociological Perspective
 - Education 4321 - Social Issues in Education
 - Education 4341 - Foundations of Multicultural Education in Canada
 - Education 4360 - Studies in the History of Western Education
 - Education 4361 - History of Canadian Education
 - Education 4362 - Concepts of Childhood in the History of Education
 - Education 4380 - Developing a Philosophy of Education
 - Education 4381 - Ethics of Teaching
 - Education 4391 - Seminar in Educational Foundations (Series)
 - b. One appropriate Independent Study.

****The three Education Electives for Post-Diploma B.Mus./B.Ed. students must consist of:*

Two Education (Music) Electives from the following:

 - Education 3871 - Elementary Music Classroom
 - Education 3872 - Secondary Music Classroom
 - Education 3875 - Brass and Percussion Methods
 - Education 3876 - Woodwind and String Methods
 - Education 3877 - Vocal and Classroom Instruments Methods

One Education (Fine Arts/Music) Elective from the following:

 - Education 3871 - Elementary Music Classroom
 - Education 3872 - Secondary Music Classroom
 - Education 3875 - Brass and Percussion Methods
 - Education 3876 - Woodwind and String Methods
 - Education 3877 - Vocal and Classroom Instruments Methods
 - Education 3700 - Applied Principles of Curriculum and Instruction for Non-Majors (Series) (Art)
 - Education 3700 - Applied Principles of Curriculum and Instruction for Non-Majors (Series) (Drama)

3. Maintenance of a GPA of 2.50 in Education courses.
4. Completion of the appropriate Education major as defined by the program.
5. Maintenance of a program GPA of 2.50 in the appropriate Education major.
6. Completion of the Liberal Education List Requirement (see **Part 4 - Academic Regulations, Liberal Education List Requirement, p. 79**).

d. Suggested Sequencing Plans

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

e. Academic Regulations

In the Post-Diploma Combined Degrees program, students divide their time between two different Faculties which measure different standards of academic performance. Students should read the academic regulations for each Faculty in which a portion of the Combined Degrees will be taken. For the Post-Diploma B.F.A./B.Ed. or B.Mus./B.Ed. students should be aware of the Education regulations (**Part 8**) and Fine Arts regulations (**Part 9**).

f. Education Minor Requirements

Students may elect to complete a minor in addition to a major. The minor must be a school subject and include five non-Education courses and an appropriate Education Methods course, usually selected from the Education 3700 Series. Students are eligible to receive an endorsement on their official transcripts upon completion of a minor. Please refer to **Part 8 - Education, Education Minors (p. 159)** for information on Education minor requirements.

g. Residence Requirement

Students must complete a minimum of 35 courses (105.0 credit hours) at the University of Lethbridge, including a minimum of eight courses (24.0 credit hours) in the discipline and 20 Education courses (60.0 credit hours).

h. Education Special Study Arrangements

Applied Studies

Eligible students in the Faculty of Education may earn up to five course credits through Applied Studies, designated by the numbers Education 2510 and Education 4980. The Applied Studies program for the Faculty of Education is coordinated through the Coordinator of Applied Studies, the Faculty of Arts and Science, in consultation with the Associate Dean, Faculty of Education.

Independent Study

A maximum of two Independent Studies may be completed in the B.Ed. portion of the Post-Diploma B.F.A. - Art or Dramatic Arts/B.Ed. and of the Post-Diploma B.Mus./B.Ed. (see **Part 4 - Academic Regulations, Exceeding Course Limits, p. 66**).

Study Tours

Credit may be received for a maximum of two Study Tour courses (Education 4920). The Study Tours must be approved in advance by the Assistant Dean, Student Program Services, Faculty of Education (see Student Program Services for policies and procedures governing Study Tours).

11. POST-DIPLOMA BACHELOR OF MANAGEMENT/ BACHELOR OF EDUCATION

The Faculties of Management and Education jointly offer a 35-course (105.0 credit hour) Combined Degrees program leading to the degrees Bachelor of Management (B.Mgt.) and Bachelor of Education (B.Ed.) to holders of eligible diplomas in business administration or management. Upon successful completion of the Combined Degrees program, the student receives the B.Mgt. degree from the Faculty of Management and the B.Ed. degree from the Faculty of Education.

The Combined Degrees program may be completed in 35 courses (105.0 credit hours) when the General Management major is chosen for the B.Mgt. degree. Students who choose to complete a different Management major may be required to extend their programs beyond 35 courses.

a. Admission

Students begin in the Pre-Post-Diploma B.Mgt./B.Ed. program in the Faculty of Management. After completion of one or two terms, including Education 2500, students must apply for admission to the Faculty of Education.

Students are not officially in the Post-Diploma B.Mgt./B.Ed. Combined Degrees program until they have been admitted to both the Faculty of Management and the Faculty of Education.

Enrolment in both the Faculty of Management and the Faculty of Education is limited and fulfillment of the minimum admission requirements does not guarantee admission to the Combined Degrees program.

Applicants should consult **Part 1 – Admission** for general admission requirements, policies and deadlines.

1. Faculty of Management Admission Requirements for the Pre-Post-Diploma B.Mgt./B.Ed

- a. Applicants may gain admission to the competitive Pre-Post-Diploma B.Mgt./B.Ed. program by completing an approved diploma in Business Administration or Management, completed not more than eight years prior to admission, with a cumulative GPA at or above the current admission cut-off and not less than 2.00 (on the University of Lethbridge 4.00 scale). Admission to the Pre-Post-Diploma B.Mgt./B.Ed program is guaranteed to applicants who have completed an approved diploma with a GPA of 3.00 or higher (on the University of Lethbridge 4.00 scale).

See www.uleth.ca/postdiploma for current information on diplomas approved for admission to the Pre-Post-Diploma B.Mgt./B.Ed. program. The Faculty of Management will consider diplomas not previously approved for admission on a case-by-case basis.

2. Faculty of Education Admission Requirements for the Post-Diploma B.Mgt./B.Ed.

Based on the Faculty's quota system, normally a total of 216 students will be admitted to the Bachelor of Education programs (Combined Degrees and After Degree). Admission for this undergraduate teacher preparation program is available in the fall term only. Because admission to the Faculty is competitive within each teaching major, the completion of minimum admission requirements does not guarantee admission to the program. Successful applicants are selected each year from a pool that includes both Combined Degrees and After Degree applicants.

Applicants are encouraged to consult early with Student Program Services in the Faculty of Education regarding admission requirements and program planning.

Applicants must meet the following minimum requirements for admission to the Faculty of Education:

- a. Credit in Education 2500 - Practicum I - Orientation to Teaching (or equivalent) including a favourable recommendation from the instructor (see **Part 8 – Education, Education 2500 Prerequisite, p. 157**).
- b. A minimum admission GPA of 2.50 (on the University of Lethbridge 4.00 scale), calculated on all University of Lethbridge and transferable courses completed within the terms containing the last 20 courses (60.0 credit hours). If any part of the diploma falls within the last 20 courses, the entirety of the diploma (i.e., the diploma GPA) is included in the calculation. All courses must be graded with the exception of Education 2500.
- c. A minimum major GPA of 2.50 (on the University of Lethbridge 4.00 scale), calculated on the completed diploma and all additional graded Management courses and, if completed, Economics 1010, Economics 1012, and Statistics 1770.
- d. Special Case Admission

Applicants who have a satisfactory academic record but who, for some reason, had a period of time when their performance was significantly lower may apply for Special Case admission (up to four such applicants may be admitted each year). See **Part 8 - Education, Special Case Admission (p. 154)** for details.

- e. Admission Procedures Available to Students of Aboriginal Descent

The Faculty of Education provides two alternative admission opportunities for applicants of Aboriginal descent. See **Part 8 - Education, Admission Procedures Available to Students of Aboriginal Descent (p. 154)** for details.

- f. Returning after Withdrawal or Required Withdrawal from the Faculty of Education

Students who withdrew or who were required to withdraw from the Faculty of Education should refer to **Part 8 - Education, Readmission after Withdrawal (p. 154)**.

b. Faculty of Management Requirements for the 35-Course (105.0 credit hours) Post-Diploma B.Mgt./B.Ed.

1. A minimum grade of 'C-' is required in Statistics 1770; Writing 1000 OR a university English course; all Management courses; and all courses in the major marked with an asterisk (*). Students who take Economics 1010 and/or Economics 1012 as part of their degree requirements must achieve a minimum grade of 'C-'.

Note: The Faculty of Management requires that students complete Writing 1000 or a university English course with a minimum grade of 'C-'.

2. A minimum Management graduation GPA of 2.00 is required (see **Part II - Management, How Graduation GPA is Calculated, p. 211**).
3. A minimum cumulative GPA of 2.00.
4. Completion of the General Management major comprising the following courses.

Required courses:

Management 2070/Economics 2070 - Operations and Quantitative Management
 Management 2700 - Research Methodology
 Management 3031 - Managing Responsibly in a Global Environment
 Management 3050 - Human Resource Management
 Management 3061 - Information Systems and Management
 Management 3650 - Introduction to International Management
 Management 4090 - Management Policy and Strategy
 Statistics 1770 - Introduction to Probability and Statistics

One of:

Writing 1000 - Introduction to Academic Writing
 A university English course

Electives:

Three Management courses at the 3000 or 4000 level

Note: Students should be aware that these are the requirements for the General Management major only. Students may choose to complete a different Management major in the Combined Degrees program. If students choose a different Management major, they may be required to extend their programs beyond 35 courses (see **Part II - Management, Major Requirements, p. 213** for all Management major requirements).

5. Completion of seven courses from Lists I, II and III for the Liberal Education List Requirement (see **Part 4 - Academic Regulations, Liberal Education List Requirement, p. 79**) as follows:
 - three courses from List I: Fine Arts and Humanities Courses (includes Writing 1000 OR a university English course from above);
 - two courses from List II: Social Science Courses (includes Management 3050 from above); and,
 - two courses from List III: Science Courses (includes Statistics 1770 and Management 2070/Economics 2070 from above).

c. Management Minor Requirements

Note: The minor in Information Systems for the Post-Diploma B.Mgt./B.Ed. has been suspended, beginning May 1, 2013 (i.e. for the 2013/2014 academic year and thereafter, until further notice).

Students may elect to complete minors in First Nations' Governance, Information Systems, International Management, New Media, Social Responsibility and Supply Chain Management in the Post-Diploma B.Mgt./B.Ed. program (see **Part II - Management, Minors, p. 223**).

d. Faculty of Education Requirements for the 35-Course (105.0 credit hours) Post-Diploma B.Mgt./B.Ed.

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.

***The Education Foundation Requirement may be met in the following ways:*

 - a. One course from the following list:
 - Education 4310 - Comparative Studies of Education in Developed and Third World Nations
 - Education 4311 - World Issues and Problems in Education
 - Education 4320 - Education and Society from a Sociological Perspective
 - Education 4321 - Social Issues in Education
 - Education 4341 - Foundations of Multicultural Education in Canada
 - Education 4360 - Studies in the History of Western Education
 - Education 4361 - History of Canadian Education
 - Education 4362 - Concepts of Childhood in the History of Education
 - Education 4380 - Developing a Philosophy of Education
 - Education 4381 - Ethics of Teaching
 - Education 4391 - Seminar in Educational Foundations (Series)
 - b. One appropriate Independent Study.
3. Maintenance of a GPA of 2.50 in Education courses.
4. Completion of the Career and Technology Studies (CTS): Business Focus Education major.
5. Maintenance of a program grade point average of 2.50 in the appropriate Education major.
6. Completion of the Liberal Education List Requirement (see **Part 4 - Academic Regulations, Liberal Education List Requirement, p. 79**).

e. Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

f. Academic Regulations

In the Post-Diploma Combined Degrees program, students divide their time between two different Faculties which measure different standards of academic performance. Students should read the academic regulations for each Faculty in which a portion of the Combined Degrees will be taken. For the Post-Diploma B.Mgt./B.Ed. students should be aware of the Education regulations (**Part 8**) and Management regulations (**Part II**).

g. Education Minor Requirements

Students may elect to complete a minor in addition to a major. The minor must be a school subject and include five non-Education courses and an appropriate Education Methods course, usually selected from the Education 3700 Series. Students are eligible to receive an endorsement on their official transcripts upon completion of a minor. Please refer to **Part 8 - Education, Education Minors (p. 159)** for information on Education minor requirements.

h. Education Specialization Requirements

Students may elect to complete a specialization in addition to a major or minor. Students will be eligible to receive an endorsement on their official transcript upon completion of a specialization. Please refer to **Part 8 - Education, Education Specializations (p. 163)** for information on Education Specialization Requirements.

i. Residence Requirement

Students must complete a minimum of 30 courses at the University of Lethbridge, including a minimum of eight Management courses and 15 Education courses (three Professional Semesters).

j. Education Special Study Arrangements

Applied Studies

Eligible students in the Faculty of Education may earn up to five course credits through Applied Studies, designated by the numbers Education 2510 and Education 4980. The Applied Studies program for the Faculty of Education is coordinated through the Coordinator of Applied Studies, the Faculty of Arts and Science, in consultation with the Associate Dean, Faculty of Education.

Independent Study

A maximum of two Independent Studies may be completed in the B.Ed. portion of the Post-Diploma B.Mgt./B.Ed.

Study Tours

Credit may be received for a maximum of two Study Tour courses (Education 4920). The Study Tours must be approved in advance by the Assistant Dean, Student Program Services, Faculty of Education (see Student Program Services for policies and procedures governing Study Tours).

**12. BACHELOR OF FINE ARTS - NEW MEDIA/
BACHELOR OF MANAGEMENT**

The Faculties of Fine Arts and Management jointly offer a 50-course (150.0 credit hours) Combined Degrees program leading to the degrees (Bachelor of Fine Arts - New Media (B.F.A. - New Media) and Bachelor of Management (B.Mgt.)). Upon successful completion of the Combined Degrees program, the student receives the B.F.A. - New Media degree from the Faculty of Fine Arts and the B.Mgt. degree from the Faculty of Management.

The B.F.A. - New Media/B.Mgt. Combined Degrees program may be completed in 50 courses when the General Management major is chosen for the B.Mgt. degree. Students who choose to complete a different B.Mgt. major may be required to extend their programs beyond 50 courses. See **Section d.3 (below)** for details.

a. Admission

Applicants may be admitted to the B.F.A. - New Media/B.Mgt. when they are admitted to the University.

Enrolment in both the Faculty of Fine Arts and Faculty of Management is limited and fulfillment of the minimum admission requirements does not guarantee admission. Applications are accepted for the B.F.A. - New Media/B.Mgt. program for the fall term only. Applicants should consult **Part I - Admission** for general admission requirements, policies and deadlines.

In addition to the general admission requirements outlined in **Part I - Admission**, all applicants to the B.F.A. - New Media/B.Mgt. must satisfy the following requirements:

1. New Media Portfolio

- a. Applicants to the B.F.A. - New Media/B.Mgt. Combined Degrees program must submit a portfolio by the appropriate decision document deadline (see **Part I - Admission, Deadlines, p. 23**). Portfolio requirements are indicated.

New Media Portfolio Content

Please submit 10-20 current examples that provide a good representation of your Fine Arts interests and skills. Examples can be submitted in any or all of these areas:

Art

Can include, but is not limited to, photographs, sculptures, paintings, drawings, printmaking and ceramics.

Theatre/Drama

Collection of images (reviews, photos, programs), video or audio tapes—do not send originals.

Music

Audio or video of your performance or copies of your compositions.

New Media

Can include, but is not limited to, computer generated still images, moving images (video or animation) or design (minimum of 10).

Essay Option

Applicants who may not have access to the necessary technology may submit an essay in place of a portfolio. The essay should discuss or explain your definition of new media and its importance to your professional development. Length: approximately 750 words. Be sure to include your name and contact information.

Summary Questionnaire:

Past: What aspects of your background prepare you for a university New Media degree program with a creative focus?

Present: The B.F.A. - New Media program requires an extraordinary commitment of time and energy. Explain why you feel you are prepared to make this commitment at this time in your life.

Future: What do you hope to learn from the New Media program?

Portfolio and Summary Questionnaire Review Dates

Portfolio submissions will be reviewed according to the following schedule:

December 15 - early evaluation

March 15 - regular evaluation

June 15 - final deadline for submission and final evaluation

Portfolio and Summary Questionnaire Submission:

Portfolios (or essay alternative) and summary questionnaires are submitted online at:

www.ulethbridge.slideroom.com

For more information, visit the Faculty of Fine Arts website at www.uleth.ca/finearts/admissions, contact the Faculty of Fine Arts Admissions and Portfolio Advisor at 403-380-1864, or email finearts.admissions@uleth.ca.

2. Satisfactorily complete the following Alberta high school math course, University of Lethbridge's Mathematics 0500, or equivalent:

Major	Additional Admission Requirement
Quantitative Majors: Accounting, Economics, Finance	Mathematics 30-1
Non-Quantitative Majors: All other Management majors	One of: Mathematics 30-1 or Mathematics 30-2

3. Applicants are selected for admission to this competitive program based on:
 - a. Completed portfolio (or essay alternative);
 - b. Summary Questionnaire; and
 - c. Academic proficiency, as demonstrated by grade achievement.
4. Time Limit for Retention of Course Credit
Students may receive transfer credit for both Management and non-Management courses. Management courses must have been completed at a recognized post-secondary institution not more than eight years prior to admission to the Faculty of Management.
The Faculty of Management will consider requests, on a case-by-case basis, to extend this time limit for applicants with recent work experience in the field.

b. General Requirements for the 50-Course B.F.A. - New Media/B.Mgt.

1. Completion of the Liberal Education List Requirement (see **Part 4 - Academic Regulations, Liberal Education List Requirement, p. 79**).
2. Not more than 10 courses may be taken at the 0100/1000 level for credit toward the degree. Activity courses and courses numbered in the range of 0520 to 0530 are exempted from this limit. Language courses are offered in the 0100-1990 range. Only the first course in the range counts toward this limit in the language subjects of French, German, Greek, Japanese, Latin and Spanish. Only one of Economics 1010 and Economics 1012 will be counted toward this limit. Only one of Biology 1010 and Biology 1020 will be counted toward this limit. Only one of Geography 1000 and Geography 1200 will be counted toward this limit (see **Part 4 - Academic Regulations, Exceeding Course Limits, p. 66**).
3. Residence requirement: see **Residence Requirement, p. 293** for details.

c. Faculty of Fine Arts Degree Requirements for the 50-Course B.F.A. - New Media/B.Mgt.

1. Successful completion of 30 course equivalents (90.0 credit hours) with a cumulative GPA of at least 2.00 on courses taken for credit towards the degree.
2. A minimum GPA of 2.50 in all New Media courses taken for credit towards the degree.
3. A minimum of nine New Media courses (27.0 credit hours) at the 3000/4000 level.
4. A maximum of three Independent Studies (9.0 credit hours) (see **Part 4 - Academic Regulations, Exceeding Course Limits, p. 66**).
5. Completion of the following courses:
Art 2031 - Foundation Studio (Drawing and Image)
Art 2032 - Foundation Studio (Object and Space)
Cinema 1000 - Introduction to Cinema Studies
New Media 1000 - Introduction to New Media
New Media 2005 - Design Fundamentals for New Media
New Media 2010 - Visual Communications for New Media
New Media 2030 - Digital Video Production
New Media 2150 - History and Theory of New Media
New Media 3030 - 3-D Computer Modelling and Animation
New Media 3150 - Seminar in New Media Studies
New Media 3380 - Programming for Artists
New Media 3420 - Narrative for New Media
New Media 3520 - Web Design and Development
New Media 3680 - Interaction Design
New Media 3900 - Portfolio and Professional Practice
One of:
Cinema 3010 - Cinematography and Lighting
Cinema 3110 - Postproduction and Visual Effects
Cinema 3810 - Expanded Cinema
Cinema 4010 - Narrative Production Technique

Cinema 4420 - Screenwriting
 Cinema 4820 - Writing for Comedy
 New Media 3040 - Colour Theory and Digital Photo Manipulation
 New Media 3310 - Game Design: Theory and Practice
 New Media 3640 - Character Animation I
 New Media 3700 - Event and Exhibition Design
 New Media 3720 - The Dynamic Web
 New Media 3820 - Information Design
 New Media 4520 - Advanced Web Design
 New Media 4830 - Theory and Practice of Motion Capture

One of:

Cinema 3000 - Contemporary American Cinema
 Cinema 3001 - Film Authorship
 Cinema 3200 - Film Genres (Series)
 Cinema 3550 - History of Animation
 New Media 3250 - Media, Advertising, and Consumer Culture
 New Media 3300 - Theory and Aesthetics of Digital Games
 New Media 3560 - Popular Narrative
 New Media 3650 - Modern Media, War and Propaganda

Two Cinema and/or New Media Electives at the 3000/4000 level

Three additional courses from the Faculty of Fine Arts

Two Science Electives

Two Electives

d. Faculty of Management Degree Requirements for the 50-Course B.F.A. - New Media/B.Mgt.

1. A minimum grade of 'C-' is required in Statistics 1770; Economics 1010 and Economics 1012; Writing 1000 OR a university English course; and all Management courses.
2. A minimum graduation GPA of 2.00 in Management courses is required (see **Part II - Management, How Graduation GPA is Calculated, p. 211**).
3. Completion of a minimum of 20 Management courses including all courses required for the General Management major listed below:
 Management 1000 - Introduction to Management
 Management 2020 - Marketing
 Management 2030 - Introduction to Organizational Behaviour
 Management 2070/Economics 2070 - Operations and Quantitative Management
 Management 2100 - Introductory Accounting
 Management 2400 - Management Accounting
 Management 2700 - Research Methodology
 Management 3031 - Managing Responsibly in a Global Environment
 Management 3040 - Finance
 Management 3050 - Human Resource Management
 Management 3061 - Information Systems and Management
 Management 3080 - Managerial Skill Development
 Management 3650 - Introduction to International Management
 Management 4090 - Management Policy and Strategy

One of:

Writing 1000 - Introduction to Academic Writing

A university English course

Six 3000/4000-level Management Electives
 Economics 1010 - Introduction to Microeconomics
 Economics 1012 - Introduction to Macroeconomics
 Statistics 1770 - Introduction to Probability and Statistics

Note: *Students should be aware that these are the requirements for the General Management major only. Students may choose to complete a different Management major in the Combined Degrees program. If students choose a different Management major, they may be required to extend their programs beyond 50 courses (see **Part II - Management, Major Requirements, p. 213** for all Management major requirements).*

4. All degree requirements must be completed within 10 years after admission to the Faculty of Management.
5. Students are advised to take the following courses by the end of their second year: Economics 1010; Economics 1012; Management 1000; Management 2100, Statistics 1770; and Writing 1000 OR a university English course.

e. Management Minor Requirements

Note: The minor in Information Systems for the B.F.A. - New Media/B.Mgt. has been suspended, beginning May 1, 2013 (i.e. for the 2013/2014 academic year and thereafter, until further notice).

Students may elect to complete a minor in Information Systems or Social Responsibility in the B.F.A. - New Media/B.Mgt. program. In some cases, achievement of the minor and a chosen major will require a student to take extra courses (see **Part II - Management, Minors, p. 223**).

f. Academic Regulations

In the Combined Degrees program, students divide their time between different Faculties which have different standards of academic performance. Students should read the academic regulations for each Faculty in which a portion of the Combined Degrees will be taken. For the B.F.A. - New Media/B.Mgt, students should be aware of the Fine Arts regulations (**Part 9**) and the Management regulations (**Part II**).

g. Residence Requirement

Students must complete a minimum of 30 courses at the University of Lethbridge including seven New Media courses and 10 Management courses at the 3000/4000 level.

h. Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

13. BACHELOR OF HEALTH SCIENCES/BACHELOR OF MANAGEMENT

The Faculties of Health Sciences and Management jointly offer a 50-course (150.0 credit hour) Combined Degrees program leading to the degrees Bachelor of Health Sciences (B.H.Sc.) and Bachelor of Management (B.Mgt.) Upon successful completion of the Combined Degrees program, the student receives the B.H.Sc. degree from the Faculty of Health Sciences and the B.Mgt. degree from the Faculty of Management.

The Combined Degrees program may be completed in 50 courses when the General Management or Human Resource and Labour Relations major is chosen for the B.Mgt. degree. Students who choose to complete a different B.Mgt. major may be required to extend their program beyond 50 courses. The B.H.Sc. in the Combined Degrees program is available only with the major in Public Health.

a. Admission

Applicants may be admitted to the B.H.Sc./B.Mgt. when they are admitted to the University. Enrolment in both the Faculty of Management and Faculty of Health Sciences is limited and fulfillment of the minimum admission requirements does not guarantee admission. Students are not officially in the B.H.Sc./B.Mgt. Combined Degrees program until they have been admitted to both the Faculty of Health Sciences and the Faculty of Management.

In addition to the general admission requirements outlined in **Part I - Admission**, all applicants to the B.H.Sc./B.Mgt. Combined Degrees program must satisfy the following Alberta high school courses or equivalents:

Major	Additional Admission Requirement
Quantitative Majors: Accounting, Economics, Finance	Biology 30 English Language Arts 30-1 Mathematics 30-1
Non-Quantitative Majors: All other Management majors	Biology 30 English Language Arts 30-1 One of: Mathematics 30-1 or Mathematics 30-2

1. Spoken English Language Proficiency Requirement (SELP)
In addition to the English Language Proficiency requirement for general admission to the University of Lethbridge (see **Section 6.a in Part I - Admission, p. 34**), applicants to the B.H.Sc./B.Mgt. must also meet the Faculty of Health Sciences' Spoken English Language Proficiency (SELP) requirement (see **Part 10 - Health Sciences, Spoken English Language Proficiency Requirement (SELP), p. 195**).
- b. General Requirements for the 50-Course B.H.Sc./B.Mgt.**
1. Completion of the Liberal Education List Requirement (see **Part 4 - Academic Regulations, Liberal Education List Requirement, p. 79**).
 2. Not more than 10 courses may be taken at the 0100/1000 level for credit toward the degree. Activity courses are exempted from this limit. Language courses are offered in the 0100-1990 range. Only the first course in the range counts toward this limit

in the language subjects of French, German, Greek, Japanese, Latin and Spanish. Only one of Economics 1010 and Economics 1012 will be counted toward this limit. Only one of Biology 1010 and biology 1020 will be counted toward this limit. Only one of Geography 1000 and Geography 1200 will be counted toward this limit (see **Section 3.c, Exceeding Course Limits, p. 73**).

3. Students must complete a minimum of 30 courses (90.0 credit hours) at the University of Lethbridge, including a minimum of 15 Health Sciences courses and 10 Management courses at the 3000/4000 level.

c. Faculty of Health Sciences Degree Requirements for the 50-Course B.H.Sc./B.Mgt.

1. A minimum GPA of 2.50 in all Public Health courses taken and a cumulative GPA of at least 2.00 on courses for credit towards the degree.
2. All degree requirements must be completed within seven years after the first Public Health course taken towards the degree.
3. Completion of the Public Health major comprising the following courses:

Core Courses:

Public Health 1000 - Introduction to Public Health
Public Health 2000 - Population Health
Public Health 2100 - Policy and Health
Public Health 3000 - Canadian and Global Perspectives
Public Health 3100 - Health and the Environment
Public Health 3420 - Public Health Ethics
Public Health 4000 - Advanced Public Health
Anthropology 1000 - The Anthropological Perspective
Biology 1010 - Cellular Basis of Life
Economics 1010 - Introduction to Microeconomics
Economics 1012 - Introduction to Macroeconomics
Health Sciences 2003/Biology 2003 - Epidemiology
Health Sciences 2400 - Medical Microbiology
Health Sciences 2700/Sociology 2700 - Health and Society
Health Sciences 3002 - Health Promotion
Health Sciences 3260 - Research in the Health Sciences
Health Sciences 3450/Psychology 3450 - Applied Statistics for Clinical Practice
Psychology 1000 - Basic Concepts of Psychology
Psychology 2800 - Social Psychology
Sociology 1000 - Introduction to Sociology

One of:
Writing 1000 - Introduction to Academic Writing
A university English course

Electives

One Open Elective
Three Fine Arts and Humanities Electives
Five Public Health/Health Sciences Electives

d. Faculty of Management Degree Requirements for the 50-Course B.H.Sc./B.Mgt.

1. A minimum grade of 'C-' is required in Health Sciences 3450/Psychology 3450; Economics 1010 and Economics 1012; Writing 1000; and all Management courses.

2. A minimum graduation GPA of 2.00 in Management courses is required (see **Part II - Management, How Graduation GPA is Calculated, p. 211**).
3. Completion of a minimum of 20 Management courses including all courses required for the Management major and the courses listed below:
 - Management 1000 - Introduction to Management
 - Management 2030 - Introduction to Organizational Behaviour
 - Management 2070/Economics 2070 - Operations and Quantitative Management
 - Management 2100 - Introductory Accounting
 - Management 2400 - Management Accounting
 - Management 3031 - Managing Responsibly in a Global Environment
 - Management 3040 - Finance
 - Management 3050 - Human Resource Management
 - Management 3061 - Information Systems and Management
 - Management 3080 - Managerial Skill Development
 - Management 3250 - Social Marketing
 - Management 3650 - Introduction to International Management
 - Management 4090 - Management Policy and Strategy
4. All degree requirements must be completed within 10 years after admission to the Faculty of Management.
5. Students are advised to take the following courses by the end of their second year: Economics 1010; Economics 1012; Management 1000; Management 2100; Health Sciences 3450/ Psychology 3450; and Writing 1000 OR a university English course.
6. Students may choose a B.Mgt. major in General Management or Human Resource Management and Labour Relations. All specific requirements for a B.Mgt. major must be fulfilled. Total requirements for each B.Mgt. major program follow:

General Management

Seven 3000/4000-level Management Electives

Human Resource Management and Labour Relations

Management 3310 - Collective Labour Relations
 Management 4310 - Advanced Organizational Behaviour
 Management 4350 - Staffing

Three of:

Management 3305 - Managing Employee Health and Safety
 Management 3315 - Diversity in Employment
 Management 3920 - Project Management
 Management 4305 - Canadian Labour and Employment Law
 Management 4315 - Performance Management

Management 4330 - Collective Bargaining
 Management 4370 - Leadership in Organizations
 Management 4390 - Leading Organizational Change

One additional Management Elective at the 3000/4000 level

Students should be aware that some of the above courses have prerequisites which may require taking courses extra to their degrees. Check with an academic advisor for more information.

Note: *Students should be aware that these are the requirements for the General Management or Human Resource Management and Labour Relations majors only. Students may choose to complete a different Management major in the Combined Degrees program. If students choose a different Management major, they may be required to extend their programs beyond 50 courses (see **Part II - Management, Major Requirements, p. 213** for all Management major requirements).*

e. Suggested Sequencing Plan

Sample sequencing plans are created to provide students with an example of how to plan courses for the duration of a program. For suggested sequencing plans see www.uleth.ca/ross/sequencing-plans.

f. Health Sciences Minor Requirements

Students may elect to complete minors in Aboriginal Health, Addictions, Mental Health, and Population Health in the B.H.Sc./B.Mgt. program. Students who choose to complete a minor may be required to extend their program beyond 50 courses (150.0 credit hours). See **Part 10 - Health Sciences, Minors (p. 202)**.

g. Management Minor Requirements

Note: The minor in Information Systems for the B.H.Sc./B.Mgt. has been suspended, beginning May 1, 2013 (i.e. for the 2013/2014 academic year and thereafter, until further notice).

Students may elect to complete minors in *Information Systems, Social Responsibility, and Supply Chain Management in the B.H.Sc./B.Mgt. program. In some cases, achievement of the minor and a chosen major will require a student to take extra courses (see **Part II - Management, Minors, p. 223**).

*Minor in Information Systems has been suspended (see **p. 224**)

h. Academic Regulations

In the Combined Degrees program, students divide their time between different Faculties which have different standards of academic performance. Students should read the academic regulations for each Faculty in which a portion of the Combined Degrees will be taken. For the B.H.Sc./B.Mgt., students should be aware of the Health Sciences regulations (**Part 10**) and the Management regulations (**Part 11**).

