

COMBINED DEGREES

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1. BASIC INFORMATION

Combined Degrees 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 quotas 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.

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 (General)/Bachelor of Education (50 courses)
- Bachelor of Arts/Bachelor of Management (50 courses)
- Bachelor of Science/Bachelor of Management (50 courses)
- Bachelor of Fine Arts - New Media/Bachelor of Management (50 courses)
- Bachelor of Health Sciences/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)

**After a two- or three-year diploma*

2. ADVISING

Combined Degrees are made possible by the efforts and co-operation of two different Faculties. Students are urged to consult with Advisors from both Faculties throughout their program.

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

a. Admission

Students begin this 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. Students admitted to the Faculty of Arts and Science may declare their intention of completing the combined B.A./B.Ed. or B.Sc./B.Ed. degrees. Such students who have not yet been admitted to the Faculty of Education are designated pre-B.A./B.Ed. or pre-B.Sc./B.Ed. After completion of the minimum number of courses required to be eligible for admission to 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 program until they have been admitted to BOTH the Faculty of Arts and Science (through admission to the University) and the Faculty of Education. If a student is admitted to the Combined Degrees program and subsequently chooses to withdraw from Education, the student must make formal application to the Faculty in which he or she intends to pursue a degree.

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

While application for admission after 20 courses is the preferred academic plan, those students who have completed 30 or more courses may also apply for admission to this program.

1. Faculty of Education Admission Requirements for the B.A./B.Ed. or B.Sc./B.Ed. Combined Degrees Program

Based on the Faculty's quota system, normally a total of 216 students in all programs will be admitted to the Faculty each June to begin their studies in the fall semester. For application and document deadlines, see **Part 1 - Admission, p. 27**.

Students should note that completion of pre-Education requirements does not guarantee admission to the program. For qualified applicants, admission decisions are based primarily on evaluation of performance in Education 2500, a writing proficiency requirement, and grade point average calculated on all U of L and transferable courses taken within the semesters containing the last 20 university-level courses (60.0 credit hours), including courses in a previous degree and courses taken subsequently. All courses must be graded with the exception of Education 2500.

Students must meet the following minimum qualifications for admission to the Faculty of Education:

- a. Completion of a minimum of 19 Arts and Science courses.

Education courses (other than Education 2500) taken at the University of Lethbridge *before* the completion of Professional Semester I **do not** contribute to the fulfillment of B.Ed. program requirements. For students who withdraw or who are required to withdraw from the Faculty of Education, please refer to **Part 8 - Education, Section 6.b. Readmission After Withdrawal (p. 158)**.

Students who transfer from another institution with 20 courses will be considered for admission with a minimum of 15 Arts and Science courses and five appropriate Education courses.

Note: *Students who have not completed a major portion of the General Liberal Education Requirement prior to admission to the Combined Degrees program may not be able to complete degree requirements in 50 courses.*

- b. A minimum cumulative grade point average of 2.50 on all U of L and transferable courses taken within the semesters containing the last 20 courses (60.0 credit hours). All courses must be graded with the exception of Education 2500.
- c. A minimum cumulative grade point average of 2.50 on all graded courses comprising the major, including all transferable courses. Admission requirements for the major may be met in one of the following ways:
1. Completion of at least eight semester courses in a single discipline major.
 2. Completion of at least 11 courses in the 16-course multidisciplinary major, including at least five courses in the main teaching subject area.
 3. Completion of at least 11 courses in the 16-course General Major, including at least five courses in the main teaching subject area.
- d. Credit in Education 2500 - Practicum I - Orientation to Teaching (or equivalent) including a favourable recommendation from the instructor (see **Section 6.b.4. Education 2500 Prerequisite, p. 157**). Students who do not receive a favourable recommendation, or who have withdrawn, may be permitted to re-enrol in the course after one full year and with permission of the Assistant Dean, Student Program Services.
- e. Demonstrated proficiency in written and oral English by the June 1 document deadline. A student may meet the Writing Proficiency Requirement in any of the following ways:
- obtaining a grade of 75 percent or higher on the English Language Arts 30-1 Alberta Diploma exam

- obtaining a final grade of 80 percent or higher in English Language Arts 30-1 or its equivalent from any province
- obtaining a grade of 'B' (3.00 on a 4.00 scale) or higher in Writing 1000
- obtaining a grade of 'B' (3.00 on a 4.00 scale) or higher in a university English course
- successful completion of a recognized degree from an English-language university

Students are encouraged to consult early with the Faculty of Education, Student Program Services Office regarding procedures for meeting the Writing Proficiency Requirement.

2. Completion of Additional Admission Requirements in Specific Majors:

- Dramatic Arts - completion of an acceptable portfolio, performance audition and interview.
- Music - completion of an acceptable performance audition and/or interview.
- Native Education - completion of five of the seven courses required in the school subject minor. A minimum cumulative grade point average of 2.50 out of 4.00 is required on all graded courses comprising the minor.
- Physical Education - completion of a Physical Education and Sport Activities report which must include:
 - brief description of experience (personal physical activity, teaching movement or physical activity, coaching experience, workshops/clinics, certification),
 - written confirmation of experiences (letter of reference, certificate of achievement).

Students should consult Student Program Services in the Faculty of Education for guidelines regarding the requirements stated above.

3. Special Case Admission

Students who have a good 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 students may be admitted). See **Part 8 - Education, Section 4.b. Special Case Admission (p. 154)** for details.

4. Aboriginal Special Case Admission

The Faculty of Education provides two special admission opportunities for students of Aboriginal descent. See **Part 8 - Education, Section 4.c. Special Admission Procedures for Students of Aboriginal Descent (p. 154)** for details.

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 grade point average of at least 2.00.
 - b. Completion of the General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 83**).
 - 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).
 - 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, Section 6, Arts & Science Disciplines, p. 100**).

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, Section 2.c, Exceeding Course Limits, p. 70**)

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, 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:**

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 grade point average 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 General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 83**).
 - g. Residence Requirement: see **Section 3.h., p. 251** 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. 238)*

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. There are 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. 239)*

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.

The following Arts and Science majors do not qualify as Education majors: Agricultural Biotechnology, Agricultural Studies, Applied Statistics, Archaeology and Geography, Biochemistry, Computer Science, Computer Science and Geographical Information Science, Environmental Science, Neuroscience, Philosophy, Psychology, Religious Studies, Remote Sensing, Urban and Regional Studies, and Women and Gender Studies.

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:

<i>Arts and Science Major</i>	<i>Education Major</i>
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

<i>Arts and Science Major</i>	<i>Education Major</i>
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/Museum Studies 1000 - Introduction to Art
- Art History/Museum Studies 2001 - Contemporary Art Practices and Theories
- Art History/Museum Studies 2225 - Western Art from Prehistory to the French Revolution

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/Museum Studies 2900 - Introduction to Museum Studies
- Art History/Museum Studies 3200 - 19th-Century Art History

Art History/Museum Studies 3215 - 20th-Century Art History to 1945
 Art History/Museum Studies 3240 - Canadian Art History to 1940

One of:

Art History/Museum Studies 3151 - Art History (Series)
 Art History/Museum Studies 3220 - Art: 1945 to 1970
 Art History/Museum Studies 3245 - Canadian Art History: 1940 to the Present
 Art History/Museum Studies 3250 - Northwest Coast Art
 Art History/Museum Studies 3270 - Issues in Contemporary Art and Theory
 Art History/Museum Studies 3850 - Topics in Art History/Museum Studies
 Art History/Museum Studies 3900 - Critical Issues in Museum Studies
 Art History/Museum Studies 4000 - Museum Studies Internship
 Art History/Museum Studies 4150 - Art History (Series)

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. (Section 4, p. 251).

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/art_ba_bed.

Art/Art 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)

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 2100 - Play Reading and Analysis
 Drama 2120 - History and Development of Theatre I
 Drama 2130 - History and Development of Theatre II

Drama 2420 - Directing: Fundamentals
 Drama 2810 - Introduction to Stagecraft
 Drama 3130 - Canadian Theatre

One of:

Drama 2310 - Acting: Fundamentals
 Drama 2340 - Movement Studies: Fundamentals
 Drama 2510 - Theatre for Young Audiences I
 Drama 2710 - Improvisation and Dramatic Process

One of:

Drama 2611 - Technical Theatre Portfolio I
 Drama 2825 - Introduction to Design for Theatre

Two of:

Drama 3030 - Introduction to Film Studies
 Drama 3100 - Theatre in Performance
 Drama 3150 - Theatre Studies Series
 Drama 3870 - History of Costume
 Drama 4211 - Theories of Theatre

One of:

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

Two additional courses (6.0 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. (Section 5, p. 254).

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/dram_ba_bed.

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

Number of courses required for the major 14

(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.

1. 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 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 - Theorizing Children's Literature
 - English 3800 - Creative Writing
 - English 3901 - History of the English Language
 - English 4800 - Advanced Creative Writing
 - 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 3402 - 16th-Century Literature
 - 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
 - English 3550 - American Renaissance
 - 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
 - English 3670 - Nobel Laureates: Contemporary Poets
 - 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

See www.uleth.ca/ross/sequencing-plans/engl_ba_bed.

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/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, Section 10.b., p. 83**).

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

See www.uleth.ca/ross/sequencing-plans/gen_hum_ela_ba_bed.

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.

1. Mathematics

Required courses:

Computer Science 1620 - Fundamentals of Programming I

Mathematics 1410 - Elementary Linear Algebra

Mathematics 1560 - Calculus I

Mathematics 2000 - Mathematical Concepts

Mathematics 2560 - Calculus II

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
¹ Statistics 2780 - Statistical Inference

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

See www.uleth.ca/ross/sequencing-plans/math_bsc_bed.

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, Section 10.b., p. 83**).

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

See www.uleth.ca/ross/sequencing-plans/gen_sci_math_bsc_bed.

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 semester at a francophone university. Students must take two courses (3.0 credit hours) for which the language of instruction is French.

Notes

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 semester. 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

See www.uleth.ca/ross/sequencing-plans/fren_ba_bed.

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

See www.uleth.ca/ross/sequencing-plans/germ_ba_bed.

**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

See www.uleth.ca/ross/sequencing-plans/fren_germ_ba_bed.

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 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/departement-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

See www.uleth.ca/ross/sequencing-plans/fren_span_ba_bed.

**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 2148 - Studio I - (Instrument)

Music 2160 - Theory I

¹ Music 2161 - Musicianship Skills I

Music 2180 - History I: Antiquity to the Mid-Renaissance

Music 2248 - Studio II - (Instrument)

Music 2260 - Theory II

¹ Music 2261 - Musicianship Skills II

Music 2280 - History II: Late Renaissance and Baroque

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 3380 - History III: Classical Music

Music 3480 - History IV: Romantic Music

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 semesters (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 semester.

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. (**Section 6, p. 258**).

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/musi_ba_bed.

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.

1. 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 - 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

See www.uleth.ca/ross/sequencing-plans/nas_ba_bed.

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, Section 10.b., p. 83**).

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

See www.uleth.ca/ross/sequencing-plans/gen_ss_nat_ba_bed.

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.

1. 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

¹Physical Activity 2130 - Educational Dance

¹Physical 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

¹Physical 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, Section 10, p. 83**).

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/knes_ba_bed.

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
Chemistry 1110 - Chemistry for Life Sciences I

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

¹Physical Activity 2130 - Educational Dance

¹Physical Activity 2135 - Educational Gymnastics

Physics 1050 - Introduction to Biophysics

One of:

Kinesiology 2160 - Management Perspectives

Kinesiology 3300 - Leadership Skills Development

²One 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

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

²Kinesiology 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, Section 10, p. 83**).

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/knes_bsc_bed.

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, Section 10.b., p. 83**).

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

See www.uleth.ca/ross/sequencing-plans/gen_ss_phys_ba_bed.

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), or Physics or the General Major in the Sciences.

1. 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

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 1 - 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
²Biology 3610 - Prairie Conservation
 Biology 3630 - Field Biology
 Biology 3700 - Ecosystem and Community Ecology
 Biology 3710 - Population Biology
 Biology 3800 - Aquatic Ecosystems
 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 semester timetable.

² Prerequisite required: Environmental Science 2000.

Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/biol_bsc_bed.

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
 Mathematics 1560 - Calculus I
 Mathematics 2560 - Calculus II
 Physics 2000 - Introduction to Physics II

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

See www.uleth.ca/ross/sequencing-plans/chem_bsc_bed.

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
Mathematics 1560 - Calculus I
Physics 1000 - Introduction to Physics I

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

See www.uleth.ca/ross/sequencing-plans/geog_bsc_bed.

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 1560 - Calculus I
Mathematics 2560 - Calculus II
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:

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

See www.uleth.ca/ross/sequencing-plans/phys_bsc_bed.

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,
Section 10.b., p. 83**).

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

See [www.uleth.ca/ross/sequencing-plans/
gen_sci_sci_bsc_bed](http://www.uleth.ca/ross/sequencing-plans/gen_sci_sci_bsc_bed).

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

See www.uleth.ca/ross/sequencing-plans/anth_ba_bed.

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 (11 courses):

- 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 Métis
- Political Science 3120 - Canadian Foreign Policy
- Political Science 3221 - The Politics of Canadian Federalism
- Political Science 3230 - Provincial Government and Politics
- Political Science 3241 - Canadian Constitutional Law I: Federalism and First Nations
- Political Science 3242 - Canadian Constitutional Law II: The Charter
- Political Science 3243 - Courts, Law, and Politics in Canada
- 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/Museum Studies 3240 - Canadian Art History to 1940
- Art History/Museum Studies 3245 - Canadian Art History: 1940 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

See www.uleth.ca/ross/sequencing-plans/cnst_ba_bed.

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

See www.uleth.ca/ross/sequencing-plans/econ_ba_bed.

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

See www.uleth.ca/ross/sequencing-plans/geog_ba_bed.

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

See [www.uleth.ca/ross/sequencing-plans/
hist_ba_bed](http://www.uleth.ca/ross/sequencing-plans/hist_ba_bed).

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

See [www.uleth.ca/ross/sequencing-plans/
poli_ba_bed](http://www.uleth.ca/ross/sequencing-plans/poli_ba_bed).

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

See www.uleth.ca/ross/sequencing-plans/soci_ba_bed.

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, Section 10.b., p. 83**).

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

See www.uleth.ca/ross/sequencing-plans/gen_ss_ss_ba_bed.

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, Section 7. 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, Section 8. 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, Section 2.c, Exceeding Course Limits, p. 70**).

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

a. Admission

Students begin this 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. Students admitted to the Faculty of Fine Arts may declare their intention of completing the combined B.F.A. - Art/B.Ed. degrees. Such students who have not yet been admitted to the Faculty of Education are designated pre-B.F.A. - Art/B.Ed. After completion of the minimum number of courses required to be eligible for admission to 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 program until they have been admitted to BOTH the Faculty of Fine Arts (through admission to the University) and the Faculty of Education. If a student is admitted to the Combined Degrees program and subsequently chooses to withdraw from Education, the student must make formal application to the Faculty in which he or she intends to pursue a degree.

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

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

Based on the Faculty's quota system, normally a total of 216 students in all programs will be admitted to the Faculty each June to begin their studies in the fall semester. For application and document deadlines, see **Part 1 - Admission, p. 27**.

Students should note that completion of pre-Education requirements does not guarantee admission to the program. For qualified applicants admission decisions are based primarily on evaluation of performance in Education 2500, a writing proficiency requirement, and grade point average calculated on all U of L and transferable courses taken within the semesters containing the last 20 university-level courses (60.0 credit hours), including courses in a previous degree and courses taken subsequently. All courses must be graded with the exception of Education 2500.

Note: *While application for admission after 20 courses is the preferred academic plan, those students who complete 30 or more courses may also apply for admission to this program.*

Students must meet the following minimum qualifications for admission to the Faculty of Education:

- a. Completion of a minimum of 19 Fine Arts and Arts and Science courses (57.0 credit hours). Education courses (other than Education 2500) taken at the University of Lethbridge **before** the completion of Professional Semester I do not contribute to the fulfillment of B.Ed. program requirements. For students who

withdraw or who are required to withdraw from the Faculty of Education, please refer to **Part 8 - Education, Section 6.b.**

Readmission After Withdrawal (p. 158).

Students who transfer from another institution with 20 courses will be considered for admission with a minimum of 15 Fine Arts and Arts and Science courses and five appropriate Education courses.

Note: *Students who have not completed a major portion of the General Liberal Education Requirement prior to admission to the program may not be able to complete the Combined Degrees requirements in the specified number of courses.*

- b. A minimum cumulative grade point average of 2.50 on all U of L and transferable courses taken within the semesters containing the last 20 courses (60.0 credit hours). All courses must be graded with the exception of Education 2500.
 - c. Completion of a minimum of eight courses (24.0 credit hours) in Art and/or Art History/Museum Studies, including all transferable courses, with a minimum cumulative grade point average of 2.50.
 - d. Credit in Education 2500 - Practicum I - Orientation to Teaching (or equivalent) including a favourable recommendation from the instructor (see **Section 6.b.4. Education 2500 Prerequisite, p. 157**). Students who do not receive a favourable recommendation, or who have withdrawn, may be permitted to re-enrol in the course after one full year and with permission of the Assistant Dean, Student Program Services.
 - e. Demonstrated proficiency in written and oral English by the June 1 document deadline. A student may meet the Writing Proficiency Requirement in any of the following ways:
 - obtaining a grade of 75 percent or higher on the English Language Arts 30-1 Alberta Diploma exam
 - obtaining a final grade of 80 percent or higher in English Language Arts 30-1 or its equivalent from any province
 - obtaining a grade of 'B' (3.00 on a 4.00 scale) or higher in Writing 1000
 - obtaining a grade of 'B' (3.00 on a 4.00 scale) or higher in a university English course
 - successful completion of a recognized degree from an English-language universityStudents are encouraged to consult early with the Faculty of Education, Student Program Services Office regarding procedures for meeting the Writing Proficiency Requirement.
2. Special Case Admission
Students who have a good 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 students may be admitted). See **Part 8 - Education, Section 4.b. Special Case Admission (p. 154)** for details.

3. Aboriginal Special Case Admission

The Faculty of Education provides two special admission opportunities for students of Aboriginal descent. See **Part 8 - Education, Section 4.c. Special Admission Procedures for Students of Aboriginal Descent (p. 154)** for details.

- 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 grade point average of at least 2.00.
 2. A minimum cumulative grade point average of 2.50 on all Art and Art History/Museum Studies courses.
 3. Completion of the General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 83**).
 4. Completion of at least eight Art and/or Art History/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, Section 2.c, Exceeding Course Limits, p. 70**).
 6. Not more than eight 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, Section 2.c, Exceeding Course Limits, p. 70**).
 7. **Required Art and Art History/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/Museum Studies 1000 - Introduction to Art
Art History/Museum Studies 2001 - Contemporary Art Practices and Theories
Art History/Museum Studies 2225 - Western Art from Prehistory to the French Revolution
- 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/Museum Studies 2900 - Introduction to Museum Studies
Art History/Museum Studies 3200 - 19th-Century Art History
Art History/Museum Studies 3215 - 20th-Century Art History to 1945
Art History/Museum Studies 3240 - Canadian Art History to 1940

Art History: List B

One of (3.0 credit hours):

Art History/Museum Studies 3220 - Art: 1945 to 1970
Art History/Museum Studies 3245 - Canadian Art History: 1940 to the Present
Art History/Museum Studies 3270 - Issues in Contemporary Art and Theory

Art History: List C

One of (3.0 credit hours):

Art History/Museum Studies 3151 - Art History (Series)
Art History/Museum Studies 3250 - Northwest Coast Art
Art History/Museum Studies 3850 - Topics in Art History/Museum Studies
Art History/Museum Studies 3900 - Critical Issues in Museum Studies
Art History/Museum Studies 4000 - Museum Studies Internship
Art History/Museum Studies 4150 - Art History (Series)

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 grade point average 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 General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 83**).

d. Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/art_ba_bed for a suggested sequencing plan for the B.F.A. - Art/B.Ed. Combined Degrees program.

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, Section 7. 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 a minimum of seven Art and/or Art History/Museum

Studies courses (21.0 credit hours) and 15 Education courses. 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, Section 2.c, Exceeding Course Limits, p. 70**).

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

a. Admission

Students begin this 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. Students admitted to the Faculty of Fine Arts may declare their intention of completing the combined B.F.A. - Dramatic Arts/B.Ed. degrees. Such students who have not yet been admitted to the Faculty of Education are designated pre-B.F.A. - Dramatic Arts/B.Ed. After completion of the minimum number of courses required to be eligible for admission to 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 program until they have been admitted to BOTH the Faculty of Fine Arts (through admission to the University) and the Faculty of Education. If a student is admitted to the Combined Degrees program and subsequently chooses to withdraw from Education, the student must make formal application to the Faculty in which he or she intends to pursue a degree.

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

1. Faculty of Education Admission Requirements for the 50-Course 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 the Faculty each June to begin their studies in the fall semester. For application and document deadlines, see **Part 1 - Admission, p. 27**.

Students should note that completion of pre-Education requirements does not guarantee admission to the program. For qualified applicants admission decisions are based primarily on evaluation of performance in Education 2500, a writing proficiency requirement, and grade point average calculated on all U of L and transferable courses taken within the semesters containing the last 20 university-level courses (60.0 credit hours), including courses in a previous degree and courses taken subsequently. All courses must be graded with the exception of Education 2500.

Note: *While application for admission after 20 courses is the preferred academic plan, those students who complete up to 30 courses may also apply for admission to this program.*

Students must meet the following minimum qualifications for admission to the Faculty of Education:

a. Completion of a minimum of 19 Fine Arts and Arts and Science courses.

Education courses (other than Education 2500) taken at the University of Lethbridge **before** the completion of Professional Semester I do not contribute to the fulfillment of B.Ed. program requirements. For students who withdraw or who are required to withdraw from the Faculty of Education, please refer to **Part 8 - Education, Section 6.b. Readmission After Withdrawal (p. 158)**.

Students who transfer from another institution with 20 courses will be considered for admission with a minimum of 15 Fine Arts and Arts and Science courses and five appropriate Education courses.

Note: *Students who have not completed a major portion of the General Liberal Education Requirement prior to admission to the program may not be able to complete the Combined Degrees requirements in the specified number of courses.*

b. A minimum cumulative grade point average of 2.50 on all U of L and transferable courses taken within the semesters containing the last 20 courses (60.0 credit hours). All courses must be graded with the exception of Education 2500.

c. Completion of a minimum of eight courses (24.0 credit hours) in Dramatic Arts, including all transferable courses, with a minimum cumulative grade point average of 2.50.

d. Credit in Education 2500 - Practicum I - Orientation to Teaching (or equivalent) including a favourable recommendation from the instructor (see **Section 6.b.4. Education 2500 Prerequisite, p. 157**).

Students who do not receive a favourable recommendation, or who have withdrawn, may be permitted to re-enrol in the course after one full year and with permission of the Assistant Dean, Student Program Services.

e. Demonstrated proficiency in written and oral English by the June 1 document deadline. A student may meet the Writing Proficiency Requirement in any of the following ways:

- obtaining a grade of 75 percent or higher on the English Language Arts 30-1 Alberta Diploma exam
- obtaining a final grade of 80 percent or higher in English Language Arts 30-1 or its equivalent from any province
- obtaining a grade of 'B' (3.00 on a 4.00 scale) or higher in Writing 1000
- obtaining a grade of 'B' (3.00 on a 4.00 scale) or higher in a university English course
- successful completion of a recognized degree from an English-language university

Students are encouraged to consult early with the Faculty of Education, Student Program Services Office regarding procedures for meeting the Writing Proficiency Requirement.

- Completion of an acceptable portfolio, performance audition and interview.

2. Special Case Admission

Students who have a good 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 students may be admitted). See **Part 8 - Education, Section 4.b. Special Case Admission (p. 154)** for details.

3. Aboriginal Special Case Admission

The Faculty of Education provides two special admission opportunities for students of Aboriginal descent. See **Part 8 - Education, Section 4.c. Special Admission Procedures for Students of Aboriginal Descent (p. 154)** for details.

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 grade point average of at least 2.00.
2. A minimum cumulative grade point average of 2.50 on all Drama courses.
3. Completion of the General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 83**).
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, Section 2.c, Exceeding Course Limits, p. 70**).
6. Not more than eight 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, Section 2.c, Exceeding Course Limits, p. 70**).

Required courses:

- Drama 1000 - Introduction to Dramatic Arts
- 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: Fundamentals
- Drama 2420 - Directing: Fundamentals
- Drama 2611 - Technical Theatre Portfolio I
- Drama 2810 - Introduction to Stagecraft
- Drama 3100 - Theatre in Performance
- Drama 3600 - Portfolio in Dramatic Arts II
- Drama 4420 - Directing

One of:

- Drama 2320 - Voice and Speech: Fundamentals
- Drama 2340 - Movement Studies: Fundamentals
- Drama 2510 - Theatre for Young Audiences I
- Drama 2710 - Improvisation and Dramatic Process
- Drama 2830 - Stage Makeup

One of:

- Drama 3130 - Canadian Theatre
- Drama 3150 - Theatre Studies Series
- Drama 4211 - Theories of Theatre

Eight 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 grade point average 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 General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 83**).
- d. Suggested Sequencing Plan**
- See www.uleth.ca/ross/sequencing-plans/dram_bfa_bed for a suggested sequencing plan for the B.F.A. - Dramatic Arts/B.Ed. Combined Degrees program.
- 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, Section 7. 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 a minimum of six Drama courses and 15 Education courses. 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, Section 2.c, Exceeding Course Limits, p. 70**).
- 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

a. Admission

Students begin this 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. Students admitted to the Faculty of Fine Arts may declare their intention of completing the combined B.F.A. - New Media/ B.Ed. degrees. Such students who have not yet been admitted to the Faculty of Education are designated pre-B.F.A. - New Media/B.Ed. After completion of the minimum number of courses required to be eligible for admission to 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 program until they have been admitted to BOTH the Faculty of Fine Arts (through admission to the University) and the Faculty of Education. If a student is admitted to the Combined Degrees program and subsequently chooses to withdraw from Education, the student must make formal application to the Faculty in which he or she intends to pursue a degree.

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

1. Faculty of Education Admission Requirements for the 50-Course (150.0 credit hours) 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 the Faculty each June to begin their studies in the fall semester. For application and document deadlines, see **Part 1 - Admission, p. 27**.

Students should note that completion of pre-Education requirements does not guarantee admission to the program. For qualified applicants admission decisions are based primarily on evaluation of performance in Education 2500, a writing proficiency requirement, and grade point average calculated on all U of L and transferable courses taken within the semesters containing the last 20 university-level courses (60.0 credit hours), including courses in a previous degree and courses taken subsequently. All courses must be graded with the exception of Education 2500.

Note: *While application for admission after 20 courses is the preferred academic plan, those students who complete 30 or more courses may also apply for admission to this program.*

Students must meet the following minimum qualifications for admission to the Faculty of Education:

- a. Completion of a minimum of 19 Fine Arts and Arts and Science courses (57.0 credit hours). Education courses (other than Education 2500) taken at the University of Lethbridge before the completion of Professional Semester I do not contribute to the fulfillment of B.Ed. program

requirements. For students who withdraw or who are required to withdraw from the Faculty of Education, please refer to **Part 8, Section 6.b, Readmission After Withdrawal, p. 158**).

Students who transfer from another institution with 20 courses will be considered for admission with a minimum of 15 Fine Arts and Arts and Science courses and five appropriate Education courses.

Note: *Students who have not completed a major portion of the General Liberal Education Requirement prior to admission to the program may not be able to complete the Combined Degrees requirements in the specified number of courses.*

- b. A minimum cumulative grade point average of 2.50 on all U of L and transferable courses taken within the semesters containing the last 20 courses (60.0 credit hours). All courses must be graded with the exception of Education 2500.
 - c. Completion of a minimum of eight courses (24.0 credit hours) in New Media, including all transferable courses, with a minimum cumulative grade point average of 2.50.
 - d. Credit in Education 2500 - Practicum I - Orientation to Teaching (or equivalent) including a favourable recommendation from the instructor (see **Section 6.b.4. Education 2500 Prerequisite, p. 157**). Students who do not receive a favourable recommendation, or who have withdrawn, may be permitted to re-enrol in the course after one full year and with permission of the Assistant Dean, Student Program Services.
 - e. Demonstrated proficiency in written and oral English by the June 1 document deadline. A student may meet the Writing Proficiency Requirement in any of the following ways:
 - obtaining a grade of 75 percent or higher on the English Language Arts 30-1 Alberta Diploma exam
 - obtaining a final grade of 80 percent or higher in English Language Arts 30-1 or its equivalent from any province
 - obtaining a grade of 'B' (3.00 on a 4.0 scale) or higher in Writing 1000
 - obtaining a grade of 'B' (3.00 on a 4.0 scale) or higher in a university English course
 - successful completion of a recognized degree from an English-language university

Students are encouraged to consult early with the Faculty of Education, Student Program Services Office regarding procedures for meeting the Writing Proficiency Requirement.
2. **Special Case Admission**
Students who have a good 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 students may be admitted). See **Part 8 - Education, Section 4.b. Special Case Admission (p. 154)** for details.

3. **Aboriginal Special Case Admission**

The Faculty of Education provides two special admission opportunities for students of Aboriginal descent. See **Part 8 - Education, Section 4.c. Special Admission Procedures for Students of Aboriginal Descent (p. 154)** for details.

- 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 grade point average of at least 2.00.
 2. A minimum cumulative grade point average of 2.50 on all New Media courses.
 3. Completion of the General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 83**).
 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, Section 2.c, Exceeding Course Limits, p. 70**).
 6. Not more than eight 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, Section 2.c, Exceeding Course Limits, p. 70**).
 7. **Required Courses:**
 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 3250 - Media, Advertising, and Consumer Culture
 New Media 3380 - Programming for Artists
 New Media 3420 - Narrative for New Media I
 New Media 3520 - Web Design and Development
 New Media 3680 - Interaction Design
Three of:
 New Media 3010 - Cinematography and Lighting
 New Media 3300 - Theory and Aesthetics of Digital Games
 New Media 3550 - History of Animation
 New Media 3620 - Digital Effects and Compositing
 New Media 3640 - Character Animation I

New Media 3850 - Topics in New Media
 New Media 4420 - Narrative for New Media II
 New Media 4850 - Topics in New Media

Completion of the following 6 Fine Arts Courses:

Art 2031 - Foundation Studio (Drawing and Image)
 Art 2032 - Foundation Studio (Object and Space)
 Art 3060 - Media Arts (Introduction to Digital Studio)
 Art 3061 - Media Arts (Video Sketchbook)
 Drama 3030 - Introduction to Film Studies
 Music 2500 - Introduction to Music Technology

One additional Art Studio elective

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
 ** One Education Foundation course
 Three Education electives (Education 3700 – Curriculum and Instruction for Non-Majors in Art - is strongly recommended)
**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 grade point average 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 General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 83**).

d. Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/nmed_bfa_bed for a suggested sequencing plan for the B.F.A. - New Media/B.Ed. Combined Degrees program.

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, Section 7. 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 a minimum of seven New Media courses (21.0 credit hours) and 15 Education courses. 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, Section 2.c, Exceeding Course Limits, p. 70**).

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

a. Admission

Students begin this 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. Students

admitted to the Faculty of Fine Arts may declare their intention of completing the combined B.Mus./B.Ed. degrees. Such students who have not yet been admitted to the Faculty of Education are designated pre-B.Mus./B.Ed. After completion of the minimum number of courses required to be eligible for admission to 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 program until they have been admitted to BOTH the Faculty of Fine Arts (through admission to the University) and the Faculty of Education. If a student is admitted to the Combined Degrees program and subsequently chooses to withdraw from Education, the student must make formal application to the Faculty in which he or she intends to pursue a degree.

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

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

Based on the Faculty's quota system, normally a total of 216 students in all programs will be admitted to the Faculty each June to begin their studies in the fall semester. For application and document deadlines, see **Part 1 - Admission, p. 27**.

Students should note that completion of pre-Education requirements does not guarantee admission to the program. For qualified applicants admission decisions are based primarily on evaluation of performance in Education 2500, a writing proficiency requirement, and grade point average calculated on all U of L and transferable courses taken within the semesters containing the last 20 university-level courses (60.0 credit hours), including courses in a previous degree and courses taken subsequently. All courses must be graded with the exception of Education 2500.

Note: *While application for admission after 20 courses is the preferred academic plan, those students who complete up to 30 courses may also apply for admission to this program.*

Students must meet the following minimum qualifications for admission to the Faculty of Education:

- a. Completion of a minimum of 19 Fine Arts and Arts and Science courses.

Education courses (other than Education 2500, Education 3875, Education 3876, and Education 3877) taken at the University of Lethbridge **before** the completion of Professional Semester I **do not** contribute to the fulfillment of B.Ed. program requirements. For students who withdraw or who are required to withdraw from the Faculty of Education, please refer to **Part 8 - Education, Section 6.b. Readmission After Withdrawal (p. 158)**.

Students who transfer from another institution with 20 courses will be considered for admission with a minimum of 15 Fine Arts and Arts and Science courses and five appropriate Education courses.

Note: *Students who have not completed a major portion of the General Liberal Education Requirement prior to admission to the program may not be able to complete the Combined Degrees requirements in the specified number of courses.*

- b. A minimum cumulative grade point average of 2.50 on all U of L and transferable courses taken within the semesters containing the last 20 courses (60.0 credit hours). All courses must be graded with the exception of Education 2500.
- c. Completion of a minimum of eight courses (24.0 credit hours) in Music and/or Music Ensemble Activities, including all transferable courses, with a minimum cumulative grade point average of 2.50.
- d. Credit in Education 2500 - Practicum I - Orientation to Teaching (or equivalent) including a favourable recommendation from the instructor (see **Section 6.b.4. Education 2500 Prerequisite, p. 157**). Students who do not receive a favourable recommendation, or who have withdrawn, may be permitted to re-enrol in the course after one full year and with permission of the Assistant Dean, Student Program Services.
- e. Demonstrated proficiency in written and oral English by the June 1 document deadline. A student may meet the Writing Proficiency Requirement in any of the following ways:
 - obtaining a grade of 75 percent or higher on the English Language Arts 30-1 Alberta Diploma exam
 - obtaining a final grade of 80 percent or higher in English Language Arts 30-1 or its equivalent from any province
 - obtaining a grade of 'B' (3.00 on a 4.00 scale) or higher in Writing 1000
 - obtaining a grade of 'B' (3.00 on a 4.00 scale) or higher in a university English course
 - successful completion of a recognized degree from an English-language university

Students are encouraged to consult early with the Faculty of Education, Student Program Services Office regarding procedures for meeting the Writing Proficiency Requirement.

- f. Completion of an acceptable audition and/or interview.
2. Special Case Admission
Students who have a good 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 students may be admitted). See **Part 8 - Education, Section 4.b. Special Case Admission (p. 154)** for details.
 3. Aboriginal Special Case Admission
The Faculty of Education provides two special admission opportunities for students of Aboriginal descent. See **Part 8 - Education, Section 4.c. Special Admission Procedures for Students of Aboriginal Descent (p. 154)** for details.

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 grade point average of at least 2.00.
2. A minimum cumulative grade point average of 2.50 on all Music courses.
3. Completion of the General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 83**).
4. Completion of at least 12 Music courses at the 3000/4000 level.
5. A maximum of three Independent Studies (see **Part 4, Section 2.c, Exceeding Course Limits, p. 70**).
6. Not more than eight 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, Section 2.c, Exceeding Course Limits, p. 70**).
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 2180 - History I: Antiquity to the Mid-Renaissance
 Music 2280 - History II: Late Renaissance and Baroque
 Music 3380 - History III: Classical Music
 Music 3480 - History IV: Romantic Music
 Music 3580 - History V: Twentieth-Century Music

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
 Music 4660 - Form and Analysis

* 1.5 credit hours.

Conducting

Music 3500 - Conducting I
 Music 3600 - Conducting II

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 semesters (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 semester.

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 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 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 course
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)
** 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 grade point average 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 General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 83**).

d. **Suggested Sequencing Plan**

See www.uleth.ca/ross/sequencing-plans/musi_bmus_bed for a suggested sequencing plan for the B.Mus./B.Ed. Combined Degrees program.

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, Section 7. 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 a minimum of nine Music courses and 15 Education courses. 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, Section 2.c, Exceeding Course Limits, p. 70**).

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

a. Admission

Students begin this 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. Students admitted to the Faculty of Management may declare their intention of completing the combined B.Mgt./B.Ed. degrees. Such students who have not yet been admitted to the Faculty of Education are designated pre-B.Mgt./B.Ed. After completion of the minimum number of courses required to be eligible for admission to the Faculty of Education, students may apply and, if accepted, be formally enrolled in the B.Mgt./B.Ed. Combined Degrees program.

Students are not officially in the program until they have been admitted to BOTH the Faculty of Management (through admission to the University) and the Faculty of Education. If a student is admitted to the Combined Degrees program and subsequently chooses to withdraw from Education, the student must make formal application to the Faculty in which he or she intends to pursue a degree.

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

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

Based on the Faculty's quota system, normally a total of 216 students in all programs will be admitted to the Faculty each June to begin their studies in the fall semester. For application and document deadlines, see Part 1 - Admission, p. 29.

Students should note that completion of pre-Education requirements does not guarantee admission to the program. For qualified applicants admission decisions are based primarily on evaluation of performance in Education 2500, a writing proficiency requirement, and grade point average calculated on all U of L and transferable courses taken within the semesters containing the last 20 university-level courses (60.0 credit hours), including courses in a previous degree and courses taken subsequently. All courses must be graded with the exception of Education 2500.

Note: *While application for admission after 20 courses is the preferred academic plan, those students who complete 30 or more courses may also apply for admission to this program.*

- a. Completion of a minimum of 20 courses which may include a maximum of 5 Education courses* (which must include Education 2500 or equivalent),

**Education courses (other than Education 2500) taken at the University of Lethbridge before the completion of Professional Semester 1 do not contribute to the fulfillment of B.Ed. program requirements. Students who transfer from another institution with 20 courses will be considered for admission with 5 appropriate Education courses. For students who withdraw or who are required to withdraw from the Faculty of Education, please refer to Part 8 - Education, Section 6.b. Readmission After Withdrawal (p. 158).*

- b. Completion of a minimum of 8 courses in the major including:
 - Economics 1010 - Introduction to Microeconomics
 - Economics 1012 - Introduction to Macroeconomics
 - Statistics 1770 - Introduction to Probability and Statistics
 - Five Management courses
- c. GPA Requirements:
 - A minimum grade point average of 2.50 is required to be eligible for admission to the Faculty of Education. The grade point average is calculated on all U of L and transferable courses completed within the semesters containing the last 20 courses (60.0 credit hours). All courses must be graded with the exception of Education 2500.
 - A minimum grade point average of 2.50 on courses comprising the Education major, including all transferable courses.
- d. Demonstrated proficiency in written and oral English by the June 1 document deadline. A student may meet the Writing Proficiency Requirement in any of the following ways:
 - obtaining a grade of 75 percent or higher on the English Language Arts 30-1 Alberta Diploma exam
 - obtaining a final grade of 80 percent or higher in English Language Arts 30-1 or its equivalent from any province
 - obtaining a grade of 'B' (3.00 on a 4.00 scale) or higher in Writing 1000
 - obtaining a grade of 'B' (3.00 on a 4.00 scale) or higher in a university English course
 - successful completion of a recognized degree from an English-language universityStudents are encouraged to consult early with the Faculty of Education, Student Program Services Office regarding procedures for meeting the Writing Proficiency Requirement.
- e. Credit in Education 2500 - Practicum I - Orientation to Teaching (or equivalent) including a favourable recommendation from the instructor (see **Section 6.b.4. Education 2500 Prerequisite, p. 157**). Students who do not receive a favourable recommendation, or who have withdrawn, may be permitted to re-enrol in the course after one full year and with permission of the Assistant Dean, Student Program Services.
- f. Special Case Admission
 - Students who have a good 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 students may be admitted). See **Part 8 - Education, Section 4.b. Special Case Admission (p. 154)** for details.
- g. Aboriginal Special Case Admission

The Faculty of Education and Faculty of Management provide special admission opportunities for students of Aboriginal descent. See **Part 8 - Education, Section 4.c. Special Admission Procedures for Students of Aboriginal Descent (p. 154)** for details.

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-'. However, if a student chooses to meet the Faculty of Education's Writing Proficiency Requirement (WPR) by completing Writing 1000 or a university English course, a minimum grade of 'B' is required.*
2. A minimum GPA of 2.00 in Management courses and a cumulative GPA of 2.00.
3. 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/Political Science 3420 - 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
4. 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.

5. Completion of the General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 83**).
6. All degree requirements must be completed within 10 years after admission to the Faculty of Management.
7. 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, Section 2.c, Exceeding Course Limits, p. 70**).

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 **Section 11, p. 212, in Part 11 - Faculty of Management** 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 - Faculty of Management, Section 13, 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, 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. Maintenance of a program grade point average 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 General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 83**).

e. **Suggested Sequencing Plan**

See www.uleth.ca/ross/sequencing-plans/bmgt_bed for a suggested sequencing plan for the B.Mgt./B.Ed. Combined Degrees program.

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, Section 7. 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, Section 8. 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, Section 2.c, Exceeding Course Limits, p. 70**).

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
 BACHELOR OF SCIENCE/BACHELOR OF MANAGEMENT**

The Faculties of Arts and Science and Management jointly offer a 50-course Combined Degrees program leading to the degrees B.A./B.Mgt. or B.Sc./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. Neither degree is granted until the entire Combined Degrees program is completed.

a. **Admission**

Students may be admitted to the B.A./B.Mgt. or B.Sc./B.Mgt. when they are admitted to the University. If a student is admitted to the Combined Degrees program and subsequently chooses or is required to withdraw from the program, he or she must make formal application to the Faculty in which he or she intends to pursue a degree. For application and document deadlines, see **Part 1 - Admission, p. 27**.

1. Admission Requirements for the 50-Course B.A./B.Mgt. or B.Sc./B.Mgt.
 - a. Admission may be gained by one of the following admission routes. (Please note that the admission policies and procedures set out in Part 1- Admission of this Calendar are applicable in this section, unless otherwise noted in this section.)
 1. Alberta or other Canadian high school credentials
 2. Transfer from recognized colleges or universities
 3. Adult (Mature) Admission
 4. Credentials from other countries
 - b. All applicants must satisfy the following requirements:
 1. As outlined in **Part 1 - Admission, Section 3.a.1 (p. 28)**, satisfactory completion of Alberta's:

- English Language Arts 30-1
 * Pure Mathematics 30, Mathematics 30-1,
 or Mathematics 30-2
 Two other 30-level Academic Courses
 (see p. 28)
 A Fifth Course (not including Special
 Projects) at the Grade 12 level (see
 p. 28)

** Students are strongly encouraged to complete Pure Mathematics 30 or Mathematics 30-1.*

For quantitative majors, Mathematics 30-1 or equivalent must be presented. For non-quantitative majors, Mathematics 30-2 is also accepted.

Quantitative Majors - Mathematics 30-1 or Pure Mathematics 30 is required for admission to the Bachelor of Management with majors in Accounting, Economics, and Finance.

Non-quantitative Majors - Mathematics 30-1, Pure Mathematics 30, or Mathematics 30-2 is required for admission to the Bachelor of Management with majors in First Nations' Governance, General Management, Human Resource Management and Labour Relations, Information Systems, International Management, Marketing, and Political Science.

Instead of Pure Mathematics 30 or Mathematics 30-1 or Mathematics 30-2, students may use U of L's Mathematics 0500.

Note: Students should note that satisfactory completion of the admission requirements does not guarantee admission to Management programs. Enrolment limits may be placed on the number of students admitted to programs and/or majors in the Faculty of Management. Enrolment limits may also be placed on the number of students admitted to a campus (i.e., Calgary or Lethbridge). If enrolment limits are invoked, admission to the program is competitive and is based upon academic achievement prior to admission as assessed by the Faculty of Management, whose decision shall be final.

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

1. Completion of the General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 83**).
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).
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.

Students seeking the B.A./B.Mgt. or B.Sc./B.Mgt. degrees may not declare similar majors. For example, if Economics, Native American Studies or Political Science is chosen for the B.A. portion of the B.A./B.Mgt. program, Economics, First Nations' Governance or Political Science respectively must be excluded from the list of B.Mgt. majors.

Depending on the major combination chosen, students may be required to extend their program beyond 50 courses. (See **Part 4, Section 2.c, Exceeding Course Limits, p. 70**).

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 grade point average 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, Section 6, Arts and Science Disciplines, 100**).

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, Section 2.c, Exceeding Course Limits, p. 70**).

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 GPA of 2.00 in Management courses.
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/Political Science 3420 - 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. The majors in Agricultural Studies and Archaeology and Geography are specifically excluded from the Combined Degrees.

**Majors in French/German and German have been suspended (see p. 270)*

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. The majors in Agricultural Biotechnology, Agricultural Studies, Applied Statistics, Archaeology and Geography, Biochemistry, Computer Science and Geographical Information Science, Environmental Science, Neuroscience, and Remote Sensing are specifically excluded from the Combined Degrees.

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

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)

Three courses (9.0 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/Museum Studies 1000 - Introduction to Art
- Art History/Museum Studies 2001 - Contemporary Art Practices and Theories
- Art History/Museum Studies 2225 - Western Art from Prehistory to the French Revolution

One of:

- Art 3261 - Art NOW
- Art 3262 - Art NOW

One of:

- Art History/Museum Studies 2900 - Introduction to Museum Studies
- Art History/Museum Studies 3200 - 19th-Century Art History
- Art History/Museum Studies 3215 - 20th-Century Art History to 1945
- Art History/Museum Studies 3240 - Canadian Art History to 1940

One of:

- Art History/Museum Studies 3151 - Art History (Series)
- Art History/Museum Studies 3220 - Art: 1945 to 1970
- Art History/Museum Studies 3245 - Canadian Art History: 1940 to the Present
- Art History/Museum Studies 3250 - Northwest Coast Art

Art History/Museum Studies 3270 - Issues in Contemporary Art and Theory
 Art History/Museum Studies 3850 - Topics in Art History/Museum Studies
 Art History/Museum Studies 3900 - Critical Issues in Museum Studies
 Art History/Museum Studies 4000 - Museum Studies Internship
 Art History/Museum Studies 4150 - Art History (Series)

Four additional courses (12.0 credit hours) Art or Art History/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 1 - 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 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

¹Topics 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 semester timetable.

²Prerequisite required: Chemistry 2000.

³Prerequisite 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, 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
 Mathematics 1560 - Calculus I
 Mathematics 2560 - Calculus II
 Physics 2000 - Introduction to Physics II

One of:

Physics 1000 - Introduction to Physics I (recommended)
 Physics 1050 - Introduction to Biophysics
¹Engineering 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
- ²Chemistry 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 3130 - Canadian Theatre

One of:

- Drama 2310 - Acting: Fundamentals
- Drama 2340 - Movement Studies: Fundamentals
- Drama 2510 - Theatre for Young Audiences I
- Drama 2710 - Improvisation and Dramatic Process

One of:

- Drama 2611 - Technical Theatre Portfolio I
- Drama 2825 - Introduction to Design for Theatre

Two of:

- Drama 3030 - Introduction to Film Studies
- Drama 3100 - Theatre in Performance
- Drama 3150 - Theatre Studies Series
- Drama 3870 - History of Costume
- Drama 4211 - Theories of Theatre

One of:

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

Two additional courses (6.0 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 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 - Theorizing Children's Literature

English 3800 - Creative Writing

English 3901 - History of the English Language

English 4800 - Advanced Creative Writing

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 3402 - 16th-Century Literature

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

English 3550 - American Renaissance

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

English 3670 - Nobel Laureates:

Contemporary Poets

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 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, Section 15.r, p. 120**). These courses will count among the 17 courses allowed from one discipline, but only one of these courses can count toward the minimum number of French courses required for the major.

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:

Eight courses (24.0 credit hours) in French
Eight courses (24.0 credit hours) in Spanish
Five of the above courses (15.0 credit hours) must be at the 3000/4000 level

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/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, Section 10.b., p. 83**).

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, Section 10.b., p. 83**).

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, Section 10.b., p. 83**).

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, Section 10, p. 83**).

t. Kinesiology (B.Sc.)

Students must complete a minimum of 16 courses.

Required courses:

Biology 1010 - Cellular Basis of Life

Chemistry 1110 - Chemistry for Life Sciences I

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

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, Section 10, p. 83**).

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 1560 - Calculus I
Mathematics 2000 - Mathematical Concepts
Mathematics 2560 - Calculus II
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 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 core:

Music 2160 - Theory I
¹ Music 2161 - Musicianship Skills I
Music 2180 - History I: Antiquity to the Mid-Renaissance
Music 2260 - Theory II
¹ Music 2261 - Musicianship Skills II
Music 2280 - History II: Late Renaissance and Baroque
Music 3360 - Theory III
¹ Music 3361 - Musicianship Skills III
Music 3460 - Theory IV
¹ Music 3461 - Musicianship Skills IV

Required Stream:

Students must also select one of the following streams and complete the additional courses for that particular stream:

1. Theory/History Stream

Music 3380 - History III: Classical Music
Music 3480 - History IV: Romantic Music
Music 3580 - History V: Twentieth-Century Music
Music 3660 - Theory V

One of:

Music 3000 - Seminar in Music (Series) with an emphasis in Theory
Music 3606 - Orchestration
Music 4660 - Form and Analysis

One of:

Music 3000 - Seminar in Music (Series) with an emphasis in History
Music 3721 - World Music
Music 4060 - History VI: Advanced Study in Music
Music 4721 - Canadian Music

² One course (3.0 credit hours) in Music at the 4000 level or, if a 4000-level course has been chosen above, one additional course (3.0 credit hours) in Music, excluding Music 1000, Music 1011, Music 3200, and Music 3261, and including Ensemble Activities

One additional course (3.0 credit hours) in Music, excluding Music 1000, Music 1011, Music 3200, and Music 3261, and including Ensemble Activities

2. General Stream

Studio

Music 2148 - Studio I - (Instrument)
Music 2248 - Studio II - (Instrument)
Music 3348 - Studio III - (Instrument)
Music 3448 - Studio IV - (Instrument)

Theory/History

One of:

Music 3380 - History III: Classical Music
Music 3480 - History IV: Romantic Music

One additional course (3.0 credit hours) in Music, excluding Music 1000, Music 1011, Music 3200, and Music 3261, and including Ensemble Activities

Four Music Ensemble Activity courses (6.0 credits)

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 semesters (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)
Studio composition	Any of: Collaborative Piano/Guitar Contemporary and Electroacoustics Ensemble Jazz Ensemble Percussion Ensemble University Singers Vox Musica Wind Orchestra Women's Chorus (or through 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 semester.

Notes

- ¹ 1.5 credit hours.
² Ensemble Activity courses cannot be used to meet the 4000-level course requirement in the Music (Theory/History) 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 - 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 3403 - Philosophy of Love and Sex
 Philosophy 3404 - Philosophy of Law
 Philosophy 3411 - Game Theory in Philosophy
 Philosophy 3413 - Feminist Philosophy
 Philosophy 3450 - Philosophy of War
 Philosophy 3460 - Philosophy of Peace

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 1560 - Calculus I
- Mathematics 2560 - Calculus II
- 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:

- 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 1560 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 of:

- Neuroscience 2600 - Brain and Behaviour
- Psychology 2110 - Introduction to Child Development
- Psychology 2320 - Cognition and Perception: Thinking and Seeing
- Psychology 2505 - Abnormal Psychology
- Psychology 2700 - Behaviour and Evolution
- Psychology 2800 - Social Psychology
- Psychology 2820 - Culture, Evolution, and Human Social Life
- Psychology 2840 - Comparative Sexuality
- 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)

¹**One 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

²Five 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 - Faculty of Arts and Science, Section 15.00., p. 135**). 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.

1. 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 1410 - Elementary Linear Algebra

Mathematics 1510 - Calculus for Management and Social Sciences
Mathematics 1560 - Calculus I

One of:

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

Note: Refer to 9.i. Residence Requirement (p. 280) 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 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 3000/4000 level

Four additional Management electives at the 3000/4000 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
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 4470-4471 - Student Managed Investment Fund

One of:

Mathematics 1510 - Calculus for Management and Social Sciences
Mathematics 1560 - Calculus I

One of:

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

Three additional Management electives at the 3000/4000 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 Métis
- * 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 Métis
- * 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

Three additional Management electives at the 3000/4000 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
Eight 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

Two additional Management electives at the 3000/4000 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

Three additional Management electives at the 3000/4000 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
¹ Management 3685 - Issues in International Management (Series)
¹ 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

Four Management courses at the 3000/4000 level

¹ Students may take up to two series courses to meet the "Four of" Elective requirement: two offerings in the Management 3685 series; two offerings in the Management 3815 series; or one offering from each series.

Language Minor:

In addition to completing an international exchange semester 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. Minor: German

Note: Admission to the Minor in German in the International Management major for the BA/BMgt and BSc/BMgt has been suspended, beginning May 1, 2013 (i.e. for the 2013/2014 academic year and thereafter, until further notice).

Four courses in German

c. Minor: Japanese

Four courses in Japanese

d. Minor: 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 semester. 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 Management courses at the 3000/4000 level

Two electives chosen to meet the General Liberal Education Requirement (see **Part 4, Section 11, p. 83**)

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 U of L credit system.

9. Marketing

Economics 3030 - Managerial Economics
 Management 3210 - Consumer Behaviour
 Management 3220 - Marketing Research
 Management 4230 - Marketing Management
 Psychology 1000 - Basic Concepts of Psychology
 Sociology 1000 - Introduction to Sociology

One of:

Psychology 2800 - Social Psychology
 Sociology 2600 - The Individual and Society
 Sociology 3210 - Classical Sociological Theory

One of:

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

Three of:

Management 3215 - Introduction to Marketing Communications and Social Media
 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 4220 - Cross-Cultural Marketing

Three additional Management electives at the 3000/4000 level

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 3000/4000 level

Two additional Management electives at the 3000/4000 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

See www.uleth.ca/ross/sequencing-plans/ba_bsc_bmgt for a suggested sequencing plan for the B.A./B.Mgt. or B.Sc./B.Mgt. Combined Degrees program.

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 11 - Faculty of Management, Section 13, 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 11**).

i. Residence Requirement

Students must complete a minimum of 30 courses at the University of Lethbridge, including 10 Management courses at the 3000/4000 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
 Management 3101
 Management 3130
 Management 3131
 Management 3151
 Management 3160
 Management 3170
 Management 3180
 Management 4110
 Management 4130
 Management 4151
 Management 4160

10. POST-DIPLOMA COMBINED DEGREES PROGRAMS IN FINE ARTS AND EDUCATION

a. Admission

Students begin the program classified as Pre-Post-Diploma B.F.A. - Art or Dramatic Arts/B.Ed. or Pre-Post-Diploma B.Mus./B.Ed. in the Faculty of Fine Arts. After completion of 10 courses, including Education 2500 (or equivalent), students must apply 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.

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

1. Faculty of Fine Arts Admission Requirements for the 35-Course Post-Diploma B.F.A. - Art or Dramatic Arts/B.Ed. or 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 grade point average of 2.50.

**Approved by the Dean of the Faculty of Fine Arts in consultation with representatives from the academic discipline. Approval is dependent upon the college's program containing the courses required for the first two years of the B.F.A. - Art or Dramatic Arts or the B.Mus. The college program must include a minimum of 16 courses in the discipline.*

- b. Portfolio/audition appropriate to the area of application:

Art: See Art Portfolio instructions in **Part 9 - Fine Arts, Section 3.a. Bachelor of Fine Arts - Art and pre-Bachelor of Fine Arts - Art/Bachelor of Education, p. 168.**

Theatre/Dramatic Arts: A collection of materials representative of recent theatre experiences as a performer, designer, technician, etc. A typical sample: a list of productions, roles, reviews. Also photographs, programs, video tape.

Music: A performance or composition tape recording of 20 minutes of music representing at least two musical styles by different composers.

The B.F.A. - Multidisciplinary is specifically excluded from the Post-Diploma Combined Degrees program.

2. Faculty of Education Admission Requirements for the 35-Course Post-Diploma B.F.A. - Art or Dramatic Arts/B.Ed. or Post-Diploma B.Mus./B.Ed. Based on the Faculty's quota system, normally a total of 216 students in all programs will be admitted to the Faculty each June to begin their studies in the Fall Semester. For application and document deadlines, see **Part 1 - Admission, p. 27.**

Students should note that completion of pre-Education requirements does not guarantee admission to the program. For qualified applicants admission decisions are based primarily on evaluation of performance in Education 2500, a writing proficiency requirement, and grade point average calculated on all U of L and transferable courses taken within the semesters containing the last 20 university-level courses (60.0 credit hours), including courses in a previous degree and courses taken subsequently. All courses must be graded with the exception of Education 2500.

Students must meet the following minimum qualifications for admission to the Faculty of Education:

- a. A minimum grade point average of 2.50 calculated on all U of L and transferable courses completed within the semesters containing the last 20 courses. If any part of the diploma falls within the last 20 courses (60.0 credit hours), the entirety of the diploma (i.e., diploma GPA) is considered in the computation. All courses must be graded with the exception of Education 2500.
- b. A minimum cumulative grade point average of 2.50 on all graded courses comprising the major, including all diploma courses.
- c. Credit in Education 2500 - Practicum I - Orientation to Teaching (or equivalent) including a favourable recommendation from the instructor (see **Section 6.b.4. Education 2500 Prerequisite, p. 157**). Students who do not receive a favourable recommendation, or who have withdrawn, may be permitted to re-enrol in the course after one full year and with permission of the Assistant Dean, Student Program Services.
- d. Demonstrated proficiency in written and oral English by the June 1 document deadline. A student may meet the Writing Proficiency Requirement in any of the following ways:
 - obtaining a grade of 75 percent or higher on the English Language Arts 30-1 Alberta Diploma exam
 - obtaining a final grade of 80 percent or higher in English Language Arts 30-1 or its equivalent from any province
 - obtaining a grade of 'B' (3.00 on a 4.00 scale) or higher in Writing 1000
 - obtaining a grade of 'B' (3.00 on a 4.00 scale) or higher in a university English course
 - successful completion of a recognized degree from an English-language university

Students are encouraged to consult early with the Faculty of Education, Student Program

Services Office regarding procedures for meeting the Writing Proficiency Requirement.

- e. Completion of an acceptable portfolio/performance audition and interview for those students in the Post-Diploma B.F.A. - Dramatic Arts/B.Ed. or Post-Diploma B.Mus./B.Ed. programs.
- f. Special Case Admission

Students who have a good 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 students may be admitted). See **Part 8 - Education, Section 4.b. Special Case Admission (p. 154)** for details.

- g. Aboriginal Special Case Admission

The Faculty of Education provides two special admission opportunities for students of Aboriginal descent. See **Part 8 - Education, Section 4.c. Special Admission Procedures for Students of Aboriginal Descent (p. 154)** for details.

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 grade point average of at least 2.00.
2. Completion of a minimum of eight courses (24.0 credit hours) in the discipline (Art and/or Art History/Museum Studies, Drama, or Music) with a grade point average 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 General Liberal Education Requirement as follows (see **Part 4 - Academic Regulations, Section 10, p. 83**):
 - 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, Section 2.c, Exceeding Course Limits, p. 70**).
6. The entire program must be approved in advance by an Academic Advisor in the Faculty of Fine Arts.

Required Art and Art History/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 3060 - Media Arts (Introduction to Digital Studio)
- * Art 4048 - Senior Studio (6.0 credit hours)

Art History/Museum Studies 1000 - Introduction to Art

Art History/Museum Studies 2001 - Contemporary Art Practices and Theories

Art History/Museum Studies 2225 - Western Art from Prehistory to the French Revolution

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/Museum Studies 2900 - Introduction to Museum Studies
- Art History/Museum Studies 3200 - 19th-Century Art History
- Art History/Museum Studies 3215 - 20th-Century Art History to 1945
- Art History/Museum Studies 3240 - Canadian Art History to 1940

Art History: List B

One of (3.0 credit hours):

- Art History/Museum Studies 3220 - Art: 1945 to 1970
- Art History/Museum Studies 3245 - Canadian Art History: 1940 to the Present
- Art History/Museum Studies 3270 - Issues in Contemporary Art and Theory

Art History: List C

One of (3.0 credit hours):

- Art History/Museum Studies 3151 - Art History (Series)
- Art History/Museum Studies 3250 - Northwest Coast Art
- Art History/Museum Studies 3850 - Topics in Art History/Museum Studies
- Art History/Museum Studies 3900 - Critical Issues in Museum Studies
- Art History/Museum Studies 4000 - Museum Studies Internship
- Art History/Museum Studies 4150 - Art History (Series)

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

Required Drama courses:

Drama 1000 - Introduction to Dramatic Arts
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: Fundamentals
Drama 2420 - Directing: Fundamentals
Drama 2611 - Technical Theatre Portfolio I
Drama 2810 - Introduction to Stagecraft
Drama 3100 - Theatre in Performance
Drama 3600 - Portfolio in Dramatic Arts II
Drama 4420 - Directing

One of:

Drama 2320 - Voice and Speech: Fundamentals
Drama 2340 - Movement Studies: Fundamentals
Drama 2510 - Theatre for Young Audiences I
Drama 2710 - Improvisation and Dramatic Process
Drama 2830 - Stage Makeup

One of:

Drama 3130 - Canadian Theatre
Drama 3150 - Theatre Studies Series
Drama 4211 - Theories of Theatre

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 2180 - History I: Antiquity to the Mid-Renaissance
Music 2280 - History II: Late Renaissance and Baroque
Music 3380 - History III: Classical Music
Music 3480 - History IV: Romantic Music
Music 3580 - History V: Twentieth-Century Music

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
Music 4660 - Form and Analysis

* 1.5 credit hours.

Conducting

Music 3500 - Conducting I
Music 3600 - Conducting II

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 semesters (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 semester.

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 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 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 grade point average of 2.50 in Education courses.
4. Completion of the appropriate Education major as defined by the program.
5. Maintenance of a program grade point average of 2.50 in the appropriate Education major.
6. Completion of the General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 83**).

d. Suggested Sequencing Plans

See www.uleth.ca/ross/sequencing-plans/art_bfa_bed_pd for a suggested sequencing plan for the Post-Diploma B.F.A. - Art/B.Ed. Combined Degrees program.

See www.uleth.ca/ross/sequencing-plans/dram_bfa_bed_pd for a suggested sequencing plan for the

Post-Diploma B.F.A. - Dramatic Arts/B.Ed. Combined Degrees program.

See www.uleth.ca/ross/sequencing-plans/musi_bmus_bed_pd for a suggested sequencing plan for the Post-Diploma B.Mus./B.Ed. Combined Degrees program.

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, Section 7. 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, Section 2.c, Exceeding Course Limits, p. 70**).

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 COMBINED DEGREES PROGRAM IN MANAGEMENT AND EDUCATION

a. Admission

Students begin the program classified as Pre-Post-Diploma B.Mgt./B.Ed. in the Faculty of Management. After completing one or two semesters and Education 2500, students apply 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 Management and the Faculty of Education.

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

1. Faculty of Management Admission Requirements for the 35-Course Post-Diploma B.Mgt./B.Ed

- a. A student may gain admission to the Post-Diploma Bachelor of Management Degree program by completing an approved diploma in business administration or management with a cumulative grade point average at or above the current admission cut-off and not less than 2.00.

2. Faculty of Education Admission Requirements for the 35-Course Post-Diploma B.Mgt./B.Ed.

Based on the Faculty's quota system, normally a total of 216 students in all programs will be admitted to the Faculty each June to begin their studies in the fall semester. For application and document deadlines, see **Part 1 - Admission, p. 27**.

There are enrolment limits on the number of students admitted to the Faculty of Education. Students should note that completion of pre-Education requirements does not guarantee admission to the program. For qualified applicants admission decisions are based primarily on evaluation of performance in Education 2500, a writing proficiency requirement, and grade point average calculated on all U of L and transferable courses taken within the semesters containing the last 20 university-level courses (60.0 credit hours), including courses in a previous degree and courses taken subsequently. All courses must be graded with the exception of Education 2500.

Students must meet the following minimum qualifications for admission to the Faculty of Education:

- a. A minimum grade point average of 2.50 calculated on all U of L and transferable courses completed within the semesters containing the last 20 courses. If any part of the diploma falls within the last 20 courses (60.0 credit hours), the entirety of the diploma (i.e., diploma GPA) is considered in the computation. All courses must be graded with the exception of Education 2500.
- b. A minimum cumulative grade point average of 2.50 on all graded courses comprising the major, including all diploma courses.
- c. Credit in Education 2500 - Practicum I - Orientation to Teaching (or equivalent) including a favourable recommendation from the instructor (see **Section 6.b.4. Education 2500 Prerequisite, p. 157**). Students who do not receive a favourable recommendation, or who have withdrawn, may be permitted to re-enrol in the course after one full year and with permission of the Assistant Dean, Student Program Services.
- d. Demonstrated proficiency in written and oral English by the June 1 document deadline. A student may meet the Writing Proficiency Requirement in any of the following ways:

- obtaining a grade of 75 percent or higher on the English Language Arts 30-1 Alberta Diploma exam
- obtaining a final grade of 80 percent or higher in English Language Arts 30-1 or its equivalent from any province
- obtaining a grade of 'B' (3.00 on a 4.00 scale) or higher in Writing 1000
- obtaining a grade of 'B' (3.00 on a 4.00 scale) or higher in a university English course
- successful completion of a recognized degree from an English-language university

Students are encouraged to consult early with the Faculty of Education, Student Program Services Office regarding procedures for meeting the Writing Proficiency Requirement.

e. Special Case Admission

Students who have a good 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 students may be admitted). See **Part 8 - Education, Section 4.b. Special Case Admission (p. 154)** for details.

f. Aboriginal Special Case Admission

The Faculty of Education provides two special admission opportunities for students of Aboriginal descent. See **Part 8 - Education, Section 4.c. Special Admission Procedures for Students of Aboriginal Descent (p. 154)** for details.

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-'. However, if a student chooses to meet the Faculty of Education's Writing Proficiency Requirement (WPR) by completing Writing 1000 or a university English course, a minimum grade of 'B' is required.*

2. A minimum GPA of 2.00 in Management courses.
3. A minimum cumulative U of L grade point average 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/Political Science 3420 - 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 3000/4000 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 **Section 11, p. 213, in Part 11 - Faculty of Management** for all Management major requirements).

5. Completion of seven courses from Lists I, II and III for the General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 83**) 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/Political Science 3420 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 11 - Faculty of Management, Section 12, 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, 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. Maintenance of a grade point average 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 General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 83**).

e. Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/bmgt_bed_pd for a suggested sequencing plan for the Post-Diploma B.Mgt./B.Ed. Combined Degrees program.

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 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, Section 7. 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, Section 8. 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 Combined Degrees program leading to the degrees B.F.A. - New Media/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. Neither degree is granted until the entire Combined Degrees program is completed.

a. Admission

Students may be admitted to the B.F.A. - New Media/B.Mgt. when they are admitted to the University. If a student is admitted to the Combined Degrees program and subsequently chooses or is required to withdraw from the program, he or she must make formal application to the Faculty in which he or she intends to pursue a degree. For application and document deadlines, see **Part 1 - Admission, p. 27**.

1. Admission Requirements for the 50-Course B.F.A. - New Media/B.Mgt.
 - a. Admission may be gained by one of the following admission routes. (Please note that the admission policies and procedures set out in Part 1- Admission of this Calendar are applicable in this section, unless otherwise noted in this section.)
 1. Alberta or other Canadian high school credentials.
 2. Transfer from recognized colleges or universities.
 3. Adult (Mature) Admission.
 4. Credentials from other countries.
 - b. All applicants must satisfy the following requirements:

1. As outlined in **Part 1 - Admission, Section 3.a.1. (p. 28)**, satisfactory completion of Alberta's:
 - English Language Arts 30-1
 - * Pure Mathematics 30, Mathematics 30-1, or Mathematics 30-2
 - Two additional 30-level Academic Courses (see **p. 28**)
 - A Fifth Course (not including Special Projects) at the Grade 12 level (see **p. 28**)

** Students are strongly encouraged to complete Pure Mathematics 30 or Mathematics 30-1.*

For quantitative majors, Mathematics 30-1 or Pure Mathematics 30 must be presented. For non-quantitative majors, Mathematics 30-2 is also accepted.

Quantitative Majors - Mathematics 30-1 or Pure Mathematics 30 is required for admission to the Bachelor of Management with majors in Accounting, Economics and Finance.

Non-quantitative Majors - Mathematics 30-1, Pure Mathematics 30, or Mathematics 30-2 is required for admission to the Bachelor of Management with majors in Computer Science, First Nations' Governance, General Management, Human Resource Management and Labour Relations, Information Systems, International Management, Marketing, and Political Science.

Instead of Pure Mathematics 30 or Mathematics 30-1, students may use U of L's Mathematics 0500.
2. Enrolment in this program is limited and admission is competitive; selections are made based on the following:
 - a. Academic proficiency, as demonstrated by grade achievement;
 - b. Completed portfolio or essay alternative; and
 - c. Summary Questionnaire
3. All students entering the B.F.A. - New Media program must submit a portfolio (or essay alternative) as well as a Summary Questionnaire as part of their admission requirements. Details are given below:

New Media Portfolio Content

Please submit samples of your work from any or all of these areas: new media, art, drama and music.

Art

Maximum of 10 images you consider your best work—do not send original artwork—send photocopies, scanned copies, photographs or digitized images.

Theatre/Drama

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

Music

10 - 15 minute audio or videotape of your performance or composition.

New Media

Computer generated still images, moving images (video or animation) or design (minimum of 10).

Medium

Choose one of the following media on which to submit your work:

- VHS tape
- Audiotape
- CD (include necessary plug-ins)
- DVD
- Website address (include link to necessary plug-ins)
- Hard copy (photographs, photocopies, scanned image prints)

Include a printed copy of contents, date of work, and your name and contact information.

Note: Applicants may use a video camera to video artwork—paintings, drawings, sculpture. It is strongly recommended that you do not send original video or audiotape of a performance. If you do not have the equipment to make a copy, a duplicate can be made by businesses offering those services.

Portfolio Return: If you want your portfolio returned, please include a stamped, self-addressed envelope.

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/three typed pages double-spaced. 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?

b. General Requirements for the 50-Course B.F.A. - New Media/B.Mgt.

1. Completion of the General Liberal Education Requirement (see **Part 4 - Academic Regulations, Section 10, p. 83**).
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 **Part 4, Section 2.c, Exceeding Course Limits, p. 70**).

3. Residence requirement: see **Section 3.h., p. 289** 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 grade point average of at least 2.00 on courses taken for credit towards the degree.
2. A minimum grade point average 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, Section 2.c, Exceeding Course Limits, p. 70**).
5. Completion of the following New Media courses:
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 I
New Media 3520 - Web Design and Development
New Media 3680 - Interaction Design
New Media 4640 - Portfolio and Professional Practice

One of:

- New Media 3010 - Cinematography and Lighting
- New Media 3620 - Digital Effects and Compositing
- New Media 3850 - Topics in New Media
- New Media 4420 - Narrative for New Media II
- New Media 4850 - Topics in New Media

Two New Media Electives at the 3000/4000 level

6. Completion of the following Fine Arts courses:
Art 2031 - Foundation Studio (Drawing and Image)
Art 2032 - Foundation Studio (Object and Space)
Drama 3030 - Introduction to Film Studies
Music 2500 - Introduction to Music Technology
Three additional courses from Art and Art History/
Museum Studies, Drama, Music, and/or New Media including representation from two disciplines
Note: Art and Art History/Museum Studies are both offered by the Department of Art and are considered as one discipline.
7. Completion of the following electives:
Two Science electives
One Social Science elective
One elective

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 grade point average of 2.00 in Management courses.
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/Political Science 3420 - 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 Section 11, p. 213, in Part 11 - Faculty of Management 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 11, Faculty of Management, Section 13, p. 222**).

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 11**).

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. Sample Sequence Plan

See www.uleth.ca/ross/sequencing-plans/nmed_bfa_bmgmt for a suggested sequencing plan for the Bachelor of Fine Arts - New Media/Bachelor of Management program.

13. BACHELOR OF HEALTH SCIENCES/BACHELOR OF MANAGEMENT

- a. The Faculties of Health Sciences and Management jointly offer a 50-course Combined Degrees program leading to the degrees B.H.Sc./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. Neither degree is granted until the entire Combined Degrees program is completed.**Admission**

Students may be admitted to the B.H.Sc./B.Mgt. when they are admitted to the University. If a student is admitted to the Combined Degrees program and subsequently chooses or is required to withdraw from the program, he or she must make formal application to the Faculty in which he or she intends to pursue a degree. For application and document deadlines, see **Part 1 - Admission, p. 27**.

1. Admission Requirements for the 50-Course B.H.Sc./B.Mgt.
 - a. Admission may be gained by one of the following admission routes. (Please note that the admission policies and procedures set out in Part 1 - Admission of this Calendar are applicable in this section, unless otherwise noted in this section.)
 1. Alberta or other Canadian high school credentials.
 2. Transfer from recognized colleges or universities.
 3. Adult (Mature) Admission.
 4. Credentials from other countries.
 - b. All applicants must satisfy the following requirements:
 1. As outlined in **Part 1 - Admission, Section 3.a.1. (p. 28)**, satisfactory completion of Alberta's:

English Language Arts 30-1
Biology 30

*Pure Mathematics 30, Mathematics 30-1,
or Mathematics 30-2

One additional 30-level Academic Course
(see **p. 28**)

A Fifth Course (not including Special
Projects) at the Grade 12 level (see
p. 28)

*Students are strongly encouraged to complete Pure
Mathematics 30 or Mathematics 30-1.

For quantitative majors, Mathematics 30-1 or Pure
Mathematics 30 must be presented. For non-
quantitative majors, Mathematics 30-2 is also
accepted.

Quantitative Majors - Mathematics 30-1 or Pure
Mathematics 30 is required for admission to the
Bachelor of Management with majors in
Accounting, Economics, and Finance.

Non-quantitative Majors - Mathematics 30-1, Pure
Mathematics 30, or Mathematics 30-2 is required
for admission to the Bachelor of Management with
majors in Computer Science, First Nations'
Governance, General Management, Human
Resource Management and Labour Relations,
Information Systems, International Management,
Marketing, and Political Science.

Instead of Pure Mathematics 30 or
Mathematics 30-1, students may use U of L's
Mathematics 0500.

c. Spoken English Language Proficiency
Requirement (SELP)

In addition to the English Language Proficiency
requirement for regular University of
Lethbridge undergraduate admission (see
Section 6.a in Part I - Admission, p. 42),
applicants to the Public Health major in the
Bachelor of Health Sciences/Bachelor of
Management, whose first language is not
English, must also meet a Spoken English
Language Proficiency requirement (see
**Section 3.g in Part 10 - Faculty of Health
Sciences, p. 192**). This additional SELP
requirement is essential because students must
be able to communicate clearly and effectively
with colleagues, instructors, health care
professionals, and the public in a variety of
settings to be successful in the Bachelor of
Health Sciences program.

d. 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. In some cases, achievement of the
minor will require a student to take extra
courses (see Part 10, Faculty of Health
Sciences, Section 10, **p. 204**)

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

1. Completion of the General Liberal Education
Requirement (see **Part 4 - Academic
Regulations, Section 10, p. 83**).
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 grade point average 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 3000 - Canadian and Global
Perspectives
Public Health 3420 - Public Health Ethics
Public Health 4000 - Advanced Public Health
Addictions Counselling 3260 - Research in
Addictions
Anthropology 1000 - The Anthropological
Perspective
Economics 1010 - Introduction to Microeconomics
Economics 1012 - Introduction to Macroeconomics
Geography 1200 - Introduction to Human
Geography
Health Sciences 2003/Biology 2003 - Epidemiology
Health Sciences 2400 - Medical Microbiology
Health Sciences 2600/Women and Gender
Studies 2100 - Women and Health
Health Sciences 2700/Sociology 2700 - Health and
Society
Health Sciences 3002 - Health Promotion
Health Sciences 3450/Psychology 3450 - Applied
Statistics for Clinical Practice
Political Science 1000 - Introduction to Political
Science
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 Science 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 GPA of 2.00 in Management courses.

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/Political Science 3420 - 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 Section 11, p. 213, in Part II - Faculty of Management for all Management major requirements).*

e. Suggested Sequencing Plan

See www.uleth.ca/ross/sequencing-plans/health_sciences/pubh_hr_bhsc_bmgmt for a suggested sequencing plan for the B.H.Sc./B.Mgt. Combined Degrees program.

f. 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, Faculty of Management, Section 13, p. 222**).

g. 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**).

14. B.A. OR B.SC. AFTER COMPLETION OF A PROFESSIONAL DEGREE

Please refer to **Part 7 - Faculty of Arts and Science, Section 21 (p. 141)**.

